COMPUTER AND TECHNOLOGY SECTION
WWW.SBOT.ORG

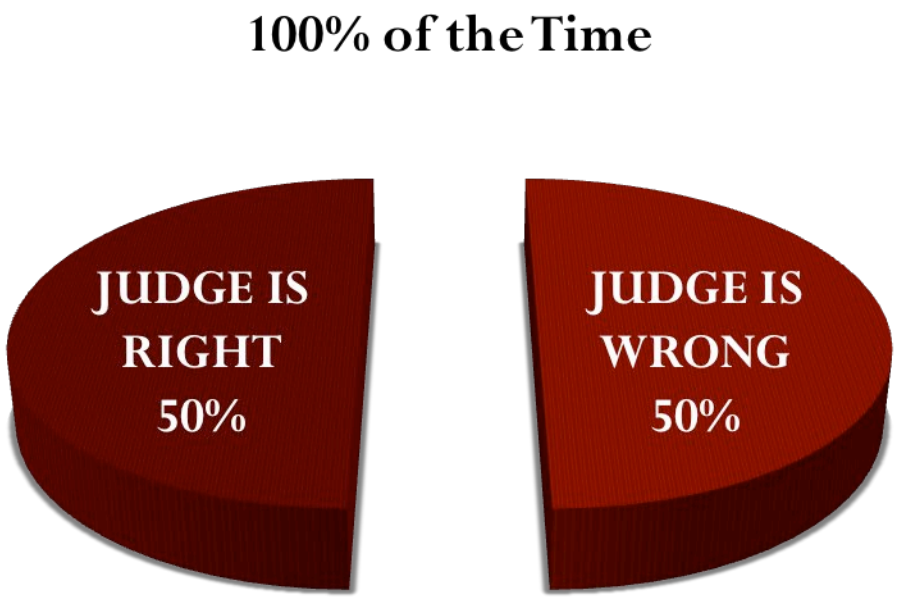
Heather L. King
heather@koonsfuller.com

Electronic & Technology Evidence

heather@koonsfuller.com

Specify PDF or PPT

The Zone = Discretion
"The Oops Factor"



The Zone = Discretion
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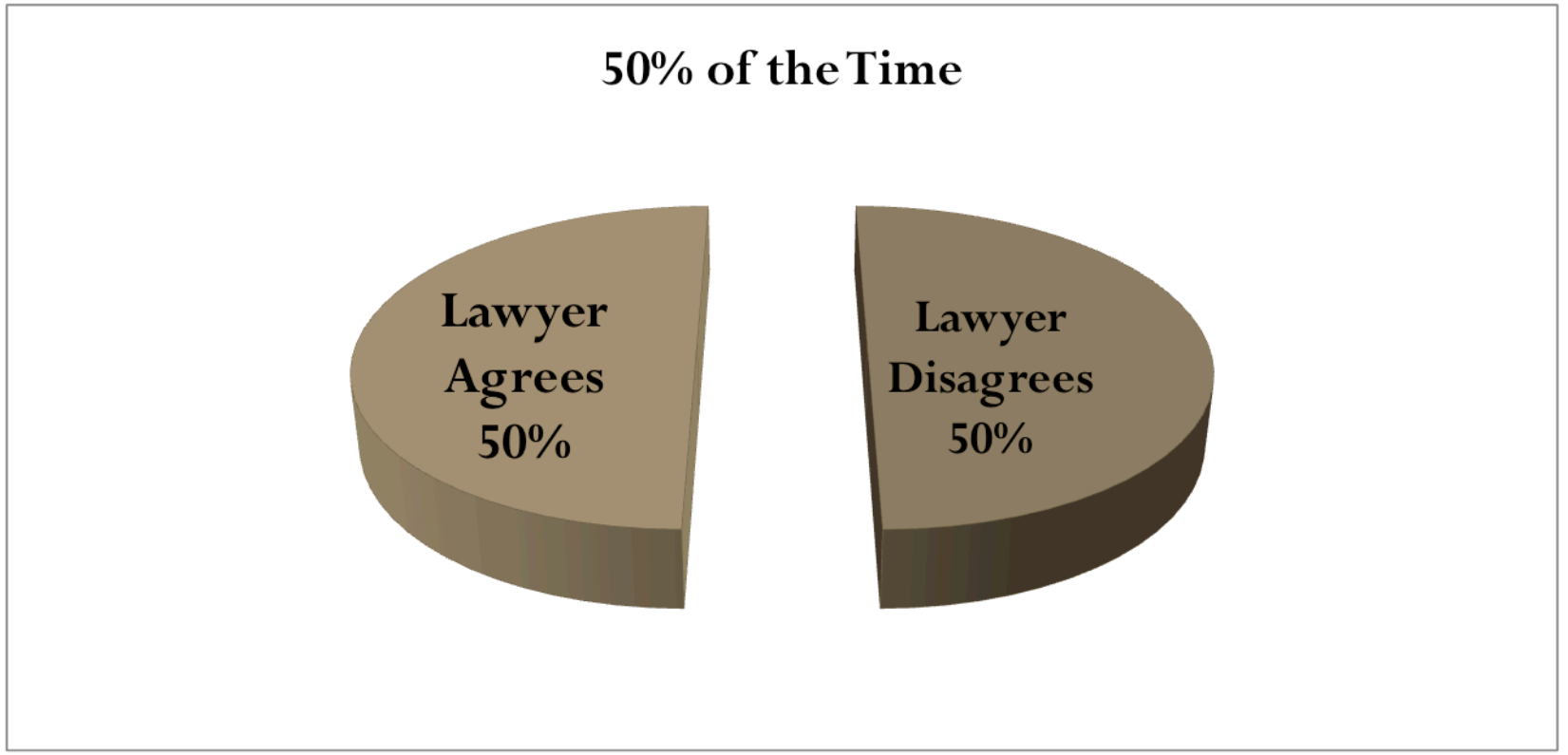

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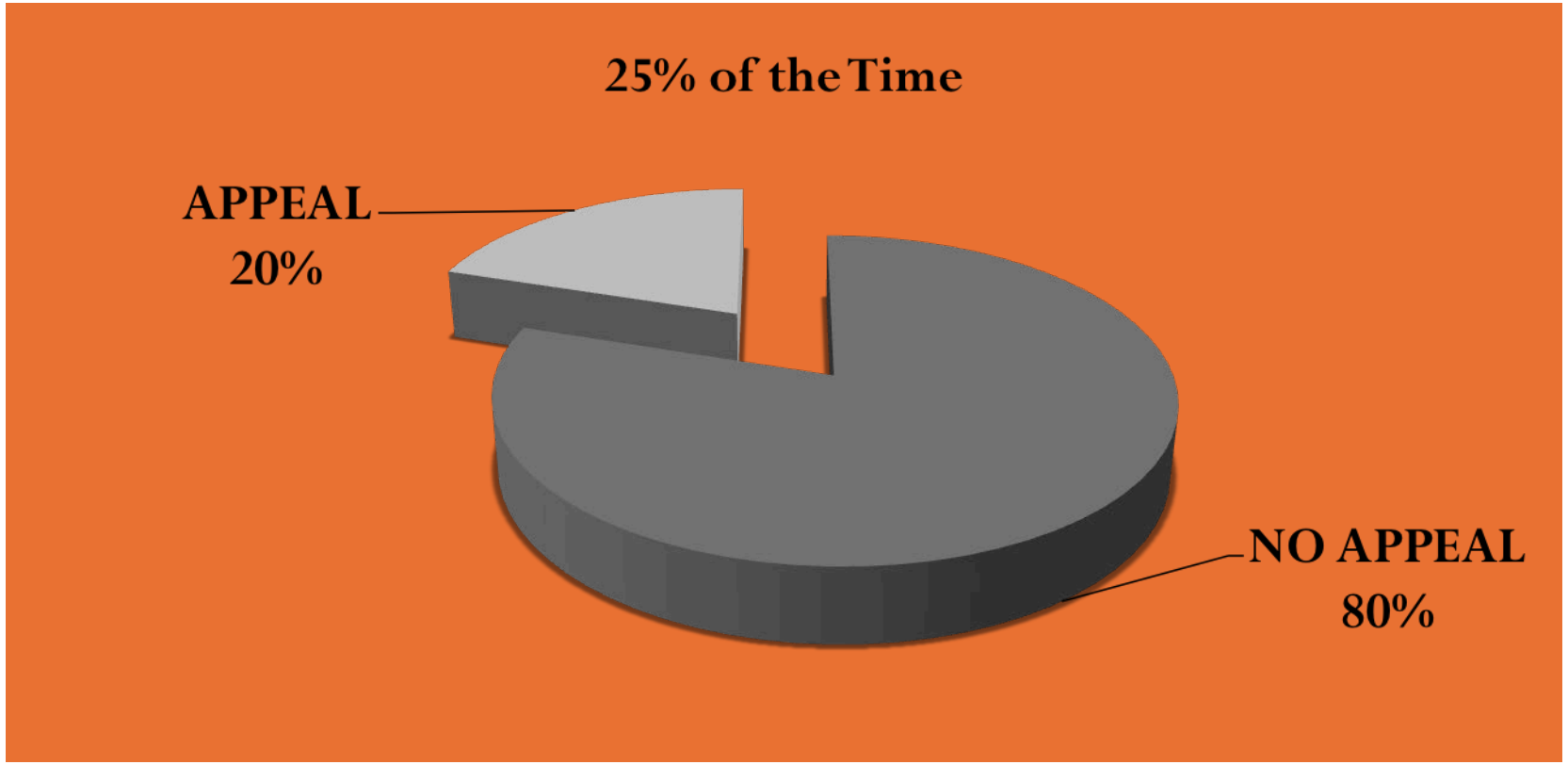

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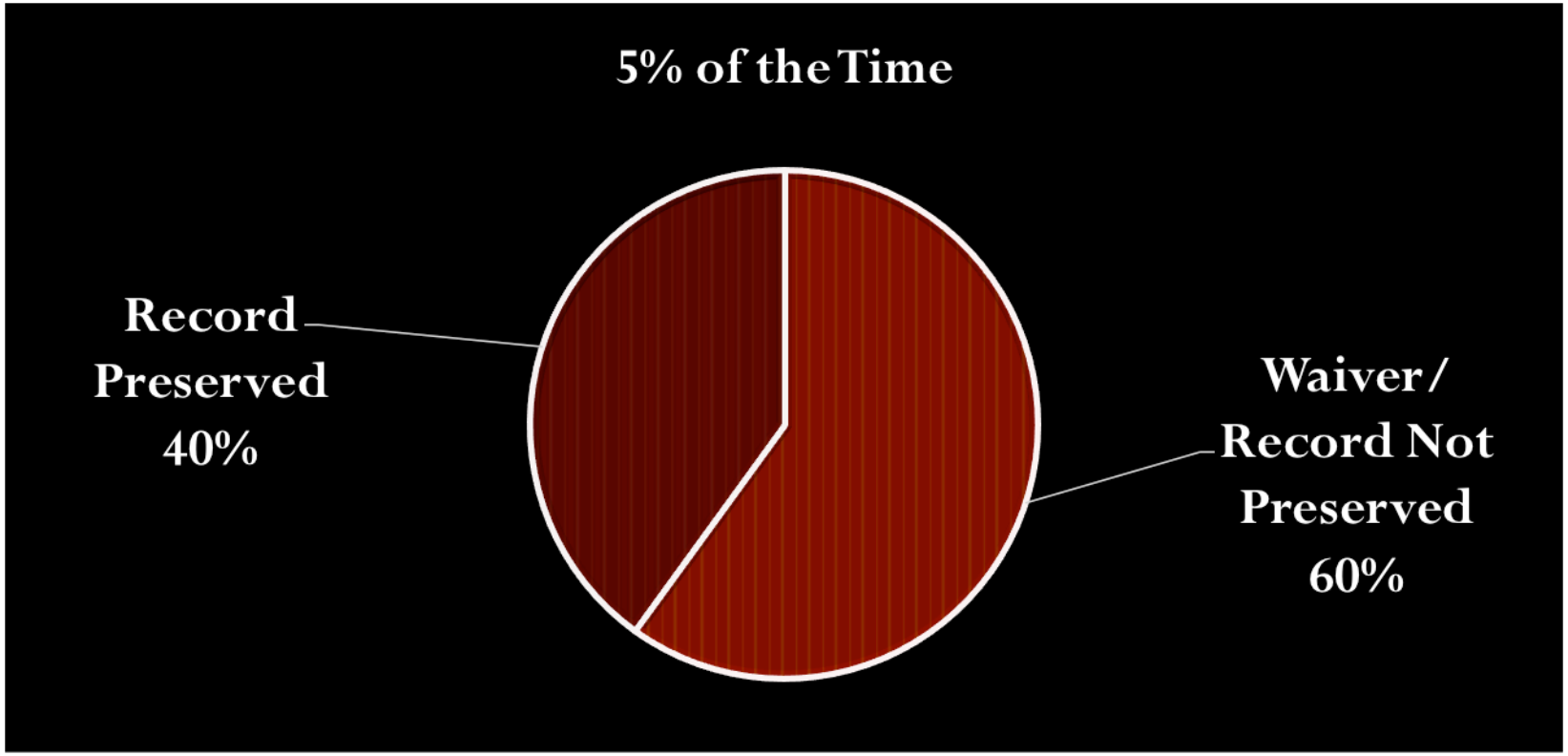

TEX. R. EVID. 103(a)(2)

(a) Preserving a Claim of Error. A party may claim error in a ruling to admit or exclude evidence only if the error affects a substantial right of the party and:

(1) if the ruling admits evidence, a party, on the record:

(A) timely objects or moves to strike; and

(B) states the specific ground, unless it was apparent from the context; or

(2) if the ruling excludes evidence, a party informs the court of its substance by an offer of proof, unless the substance was apparent from the context.

TEX. R. APP. P. 33.1(a)

- **(a)***In General*. As a prerequisite to presenting a complaint for appellate review, the record must show that:
- **(1)** the complaint was made to the trial court by a timely request, objection, or motion that:
- **(A)** stated the grounds for the ruling that the complaining party sought from the trial court with sufficient specificity to make the trial court aware of the complaint, unless the specific grounds were apparent from the context; and
- **(B)** complied with the requirements of the Texas Rules of Civil or Criminal Evidence or the Texas Rules of Civil or Appellate Procedure; and

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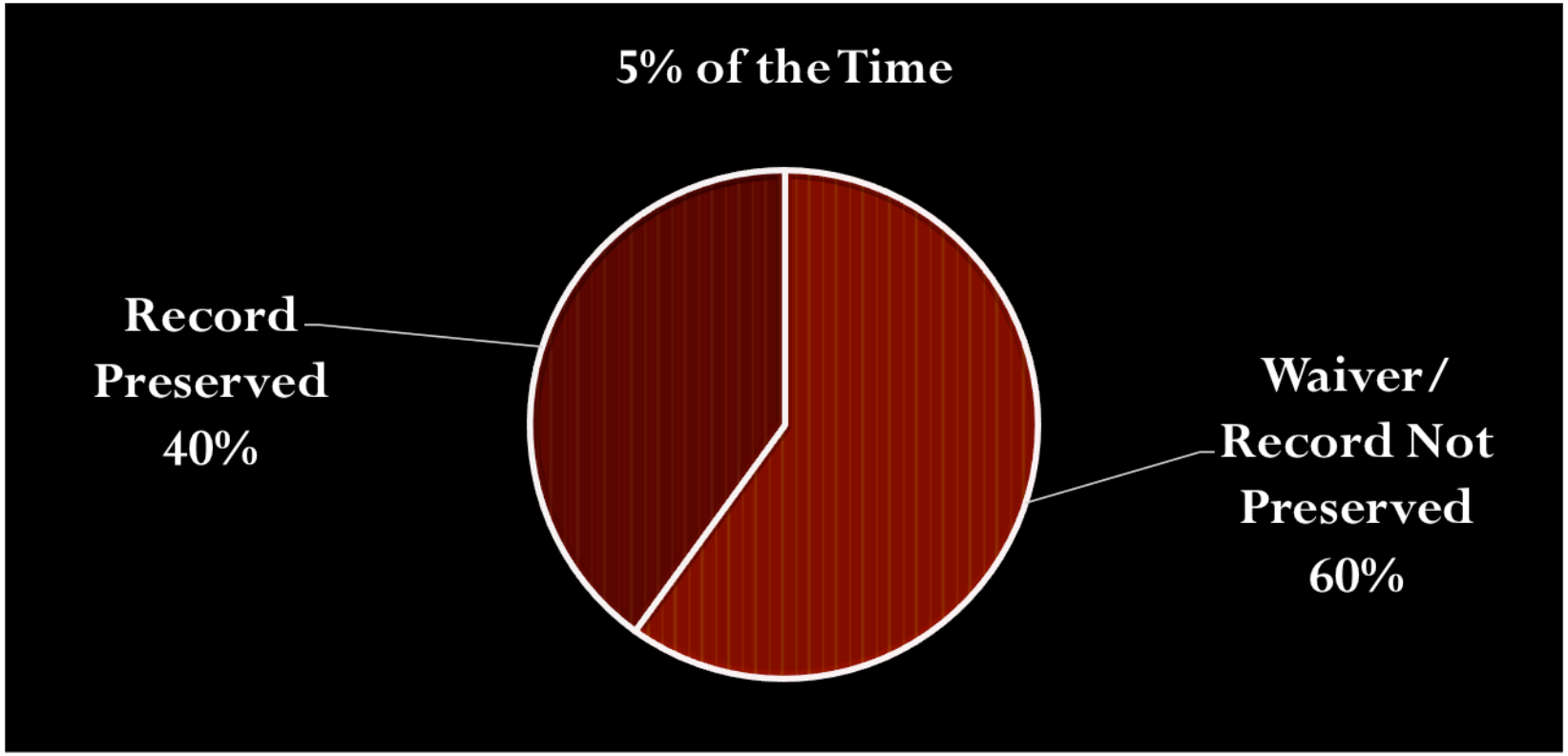

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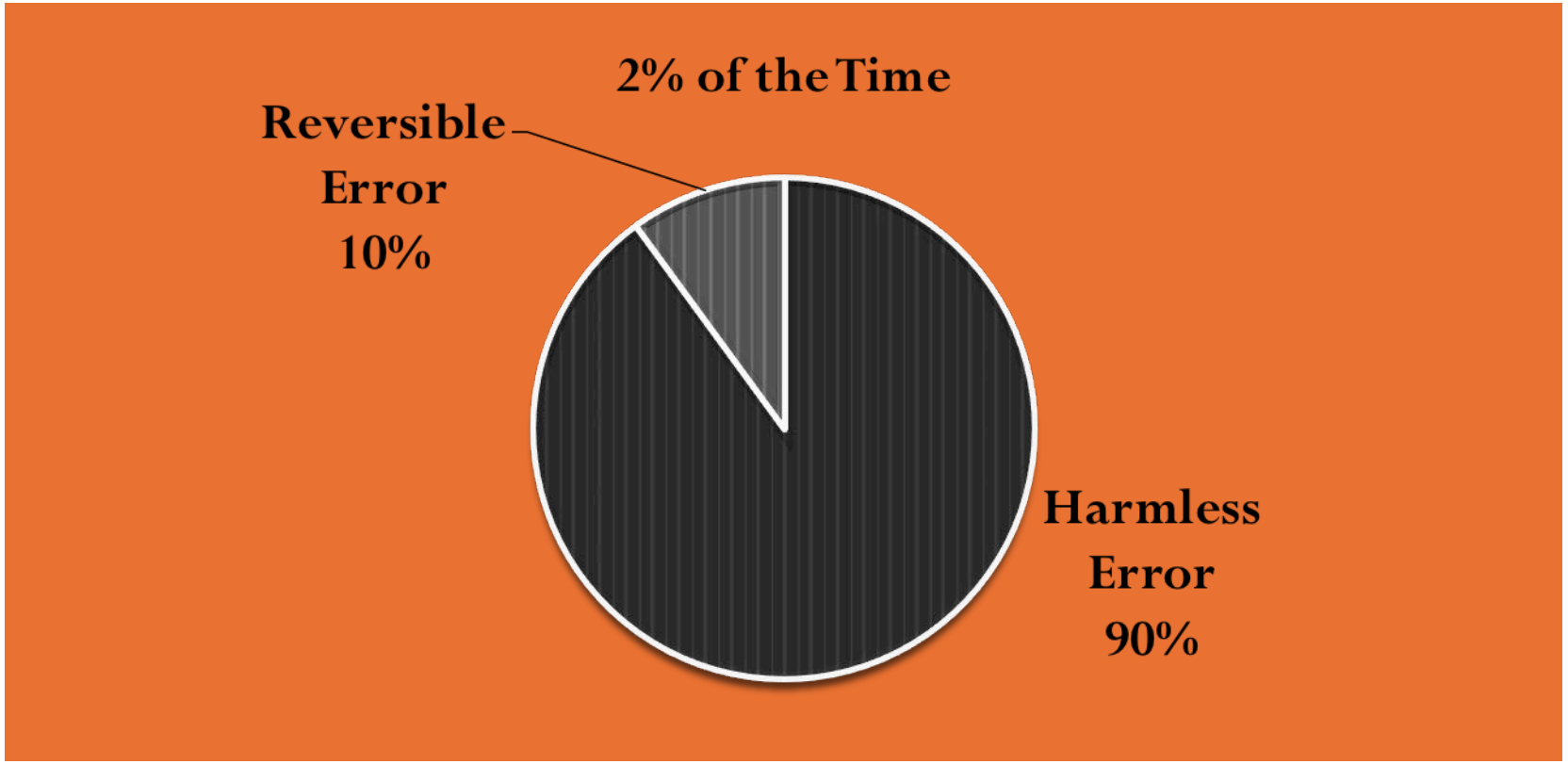

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Prerequisites to Admissibility

- Relevant TRE 401-402
- Probative Value vs. Unfair Prejudice TRE 403
- Not Hearsay TRE 801-805
- Authentic TRE 901-902
- Original/Duplicate TRE 1001

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Authentic TRE 901-902

- Evidence is authentic if the evidence is sufficient to support a finding that the matter in question is what its proponent claims it to be.

- **It is what I say it is.**

LETTER
FOUNDATION /PREDICATE

- Witness is familiar with the document
- Document has not been modified in any way
- It is what I say it is

Photograph/Video Foundation/Predicate

- Witness is familiar with the scene depicted.
- Photo/Video is an accurate representation of the scene.
- Photo/Video is not modified
- **It is what I say it is**

Digitally Enhanced Photo/Video Foundation/Predicate

- Whether modification of the photo is allowed by the social media location.
- Methods of modifying photograph
  - (through filtering)
- Methods of filtering
  - (filtering options available)

Digitally Enhanced
Photograph/Video
Foundation /Predicate

- **Has this photograph been changed in any way?**
  - **Yes, it has an Instagram filter I added.**
- **Is this photo posted on social media anywhere?**
  - **Yes, Instagram.**

TRE 901(b)(4)
Distinctive Characteristics

- From the list of examples of methods of authentication:
- Distinctive characteristics and the like.
- Appearance, contents, substance, internal patterns, or other distinctive characteristics, taken in conjunction with the circumstances.

TRE 901(b)(4)
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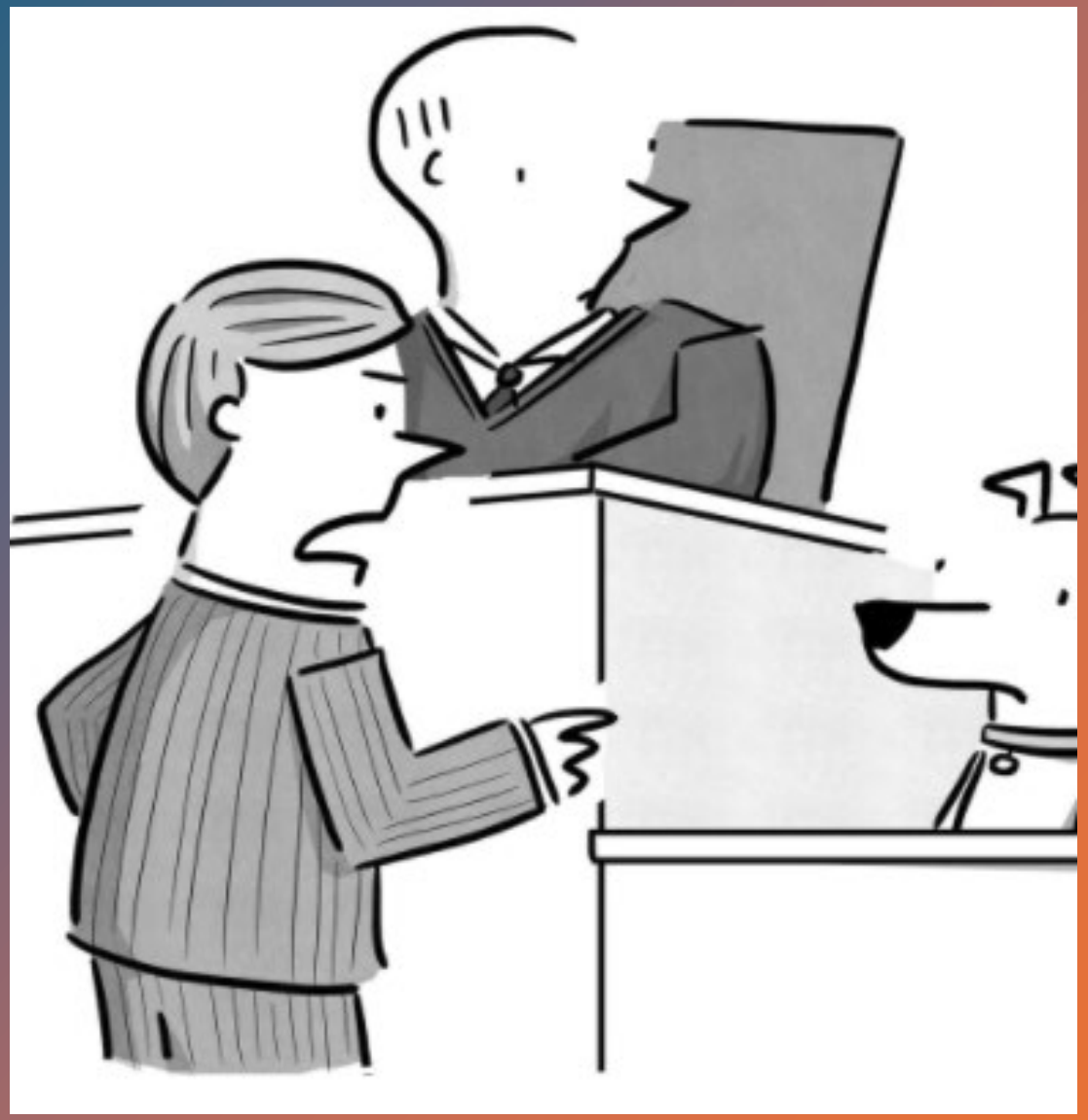
Citing to ***TIENDA***, 358 S.W.3d 633, Tex. Crim. App. 2012
Distinctive Characteristics (Myspace)
TRE 901(b)(4)

- Photos of tattoos, unique sunglasses, earring.
- Reference to victim's death and funeral music.
- Reference to his gang.
- Instant messages referring to the shooting.
- Comments about snitching.
- Reference to ankle monitoring (with photo).
- Profile contained his email addresses and nickname.



It’s true that the Defendant could have been the victim of a year long conspiracy, but that conspiracy ***as an alternate scenario*** is something the finder of fact or jury could have considered and weighed in making its decision.

THE ZONE* OF REASONABLE DISAGREEMENT

Tienda v. State

358 S.W.3d 633, Tex. Crim. App. 2012

If the trial court's ruling that a jury (factfinder) could reasonably find proffered evidence authentic is at least "within the zone of reasonable disagreement," a reviewing court should not interfere.

***Fowler v. State*, 544 S.W.3d 844 (Tex. Crim. App. 2018)**

The Texas Court of Criminal Appeals held that "yes, it is possible" for the proponent of a video to sufficiently prove its authenticity without testimony of someone who either witnessed what the video depicts or is familiar with the functioning of the recording device

The court used the distinctive characteristics test to determine that the trial court was within the zone of reasonable disagreement when admitting the video.

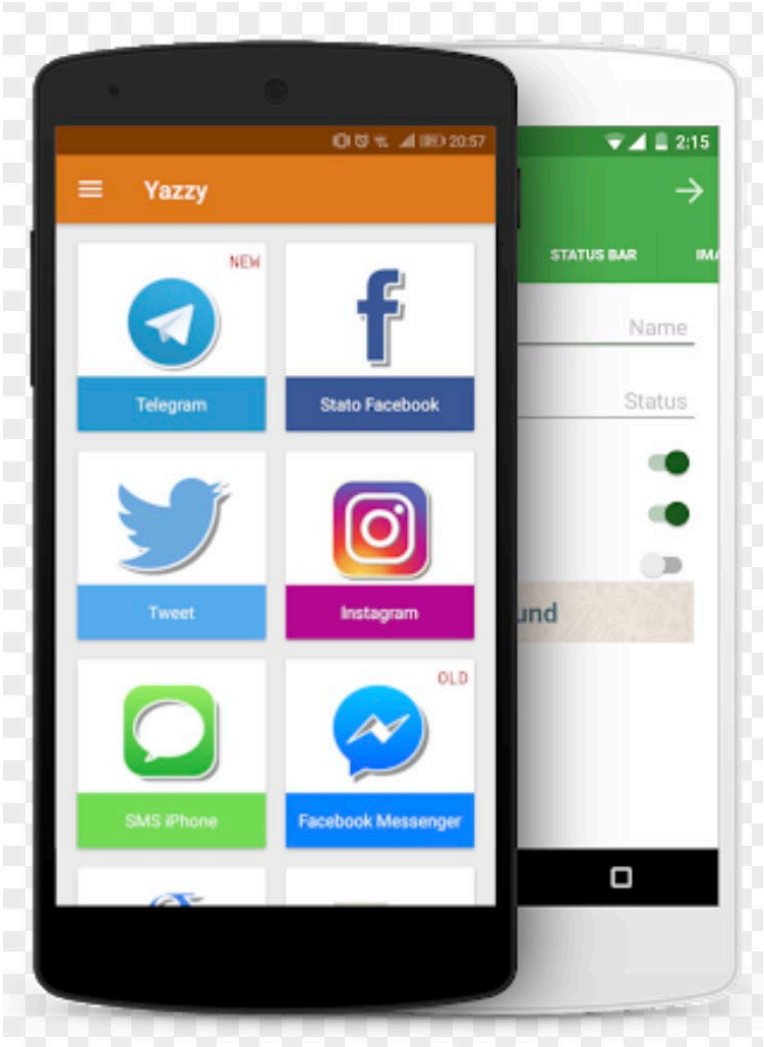
Fake Social Networking

Social Dummy

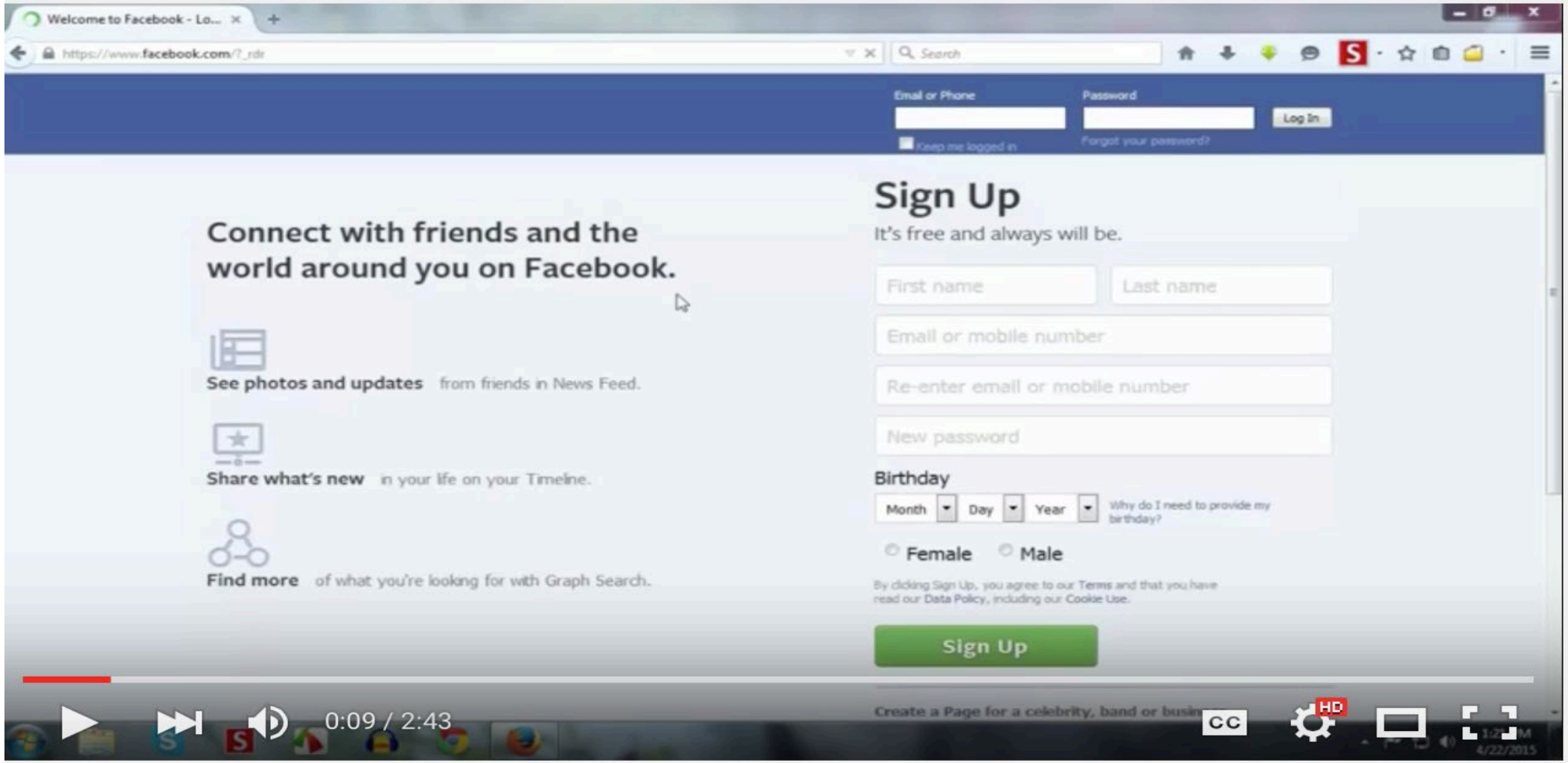
- App that creates and shares fake social posts and statuses.
- “A simple alternative for either fooling your friends or to have access to your own fake social media accounts.”

Yazzy

Make fake conversations to “make fun of your friends.”



The Wall Machine Creates “Funny Fake Facebook Walls”



how to create unlimited fake facebook accounts without genuine email address

Prank Me Not

Facebook Status Generator

Prank your friends or imitate celebrities. You can make fake facebook status updates in any creative way you like. Upload profile picture, write status, select likes, add comments and many more cool features. Start using our **Facebook Status generator** now.

Create Facebook Status

Facebook Chat Generator

Create **fake facebook chat** and prank your friends. You can even imitate celebrities to chat with you to fool your friends. Upload profile picture for you and the other person, write as many chat messages as you like. Start using our Facebook Chat generator for Free!

Create Facebook Chat

Tweet Generator

Create Hilarious tweets and Fool your friends. You can make **fake tweets** in any creative way you like. Upload profile picture, select username, write message, change date and many more cool settings. Start using our **Tweet Generator** for Free!

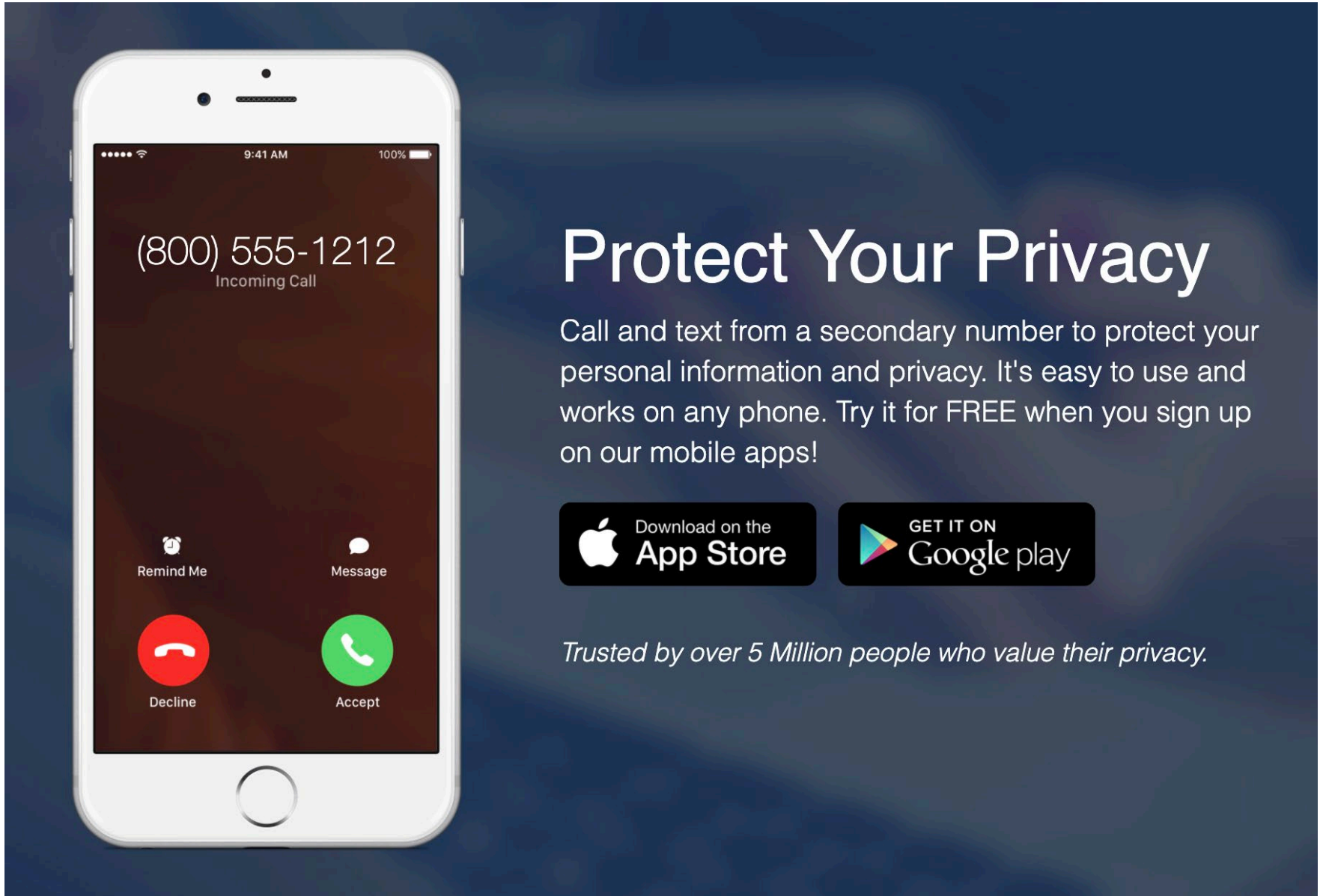
Create Tweet

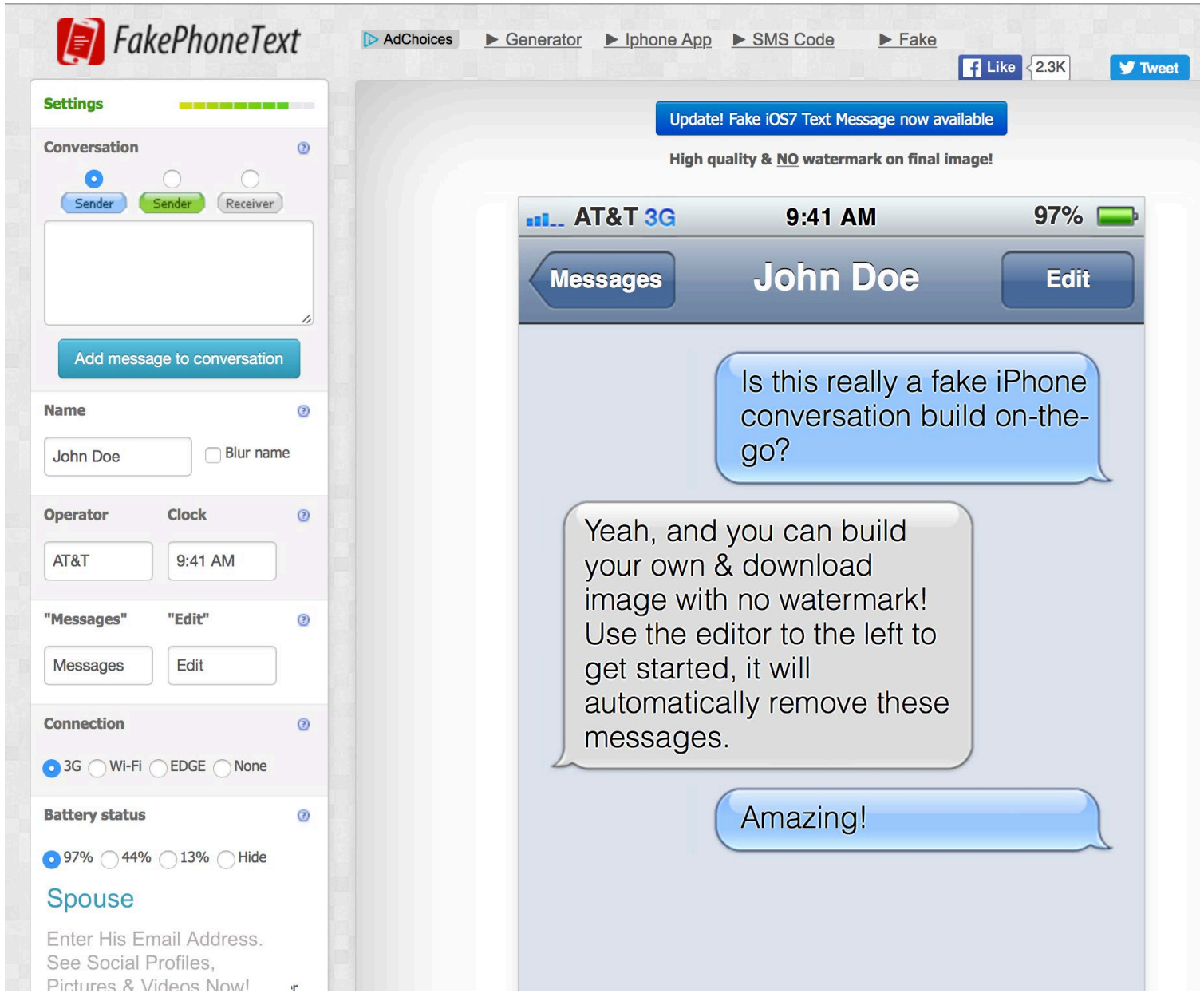
Twitter Message Generator

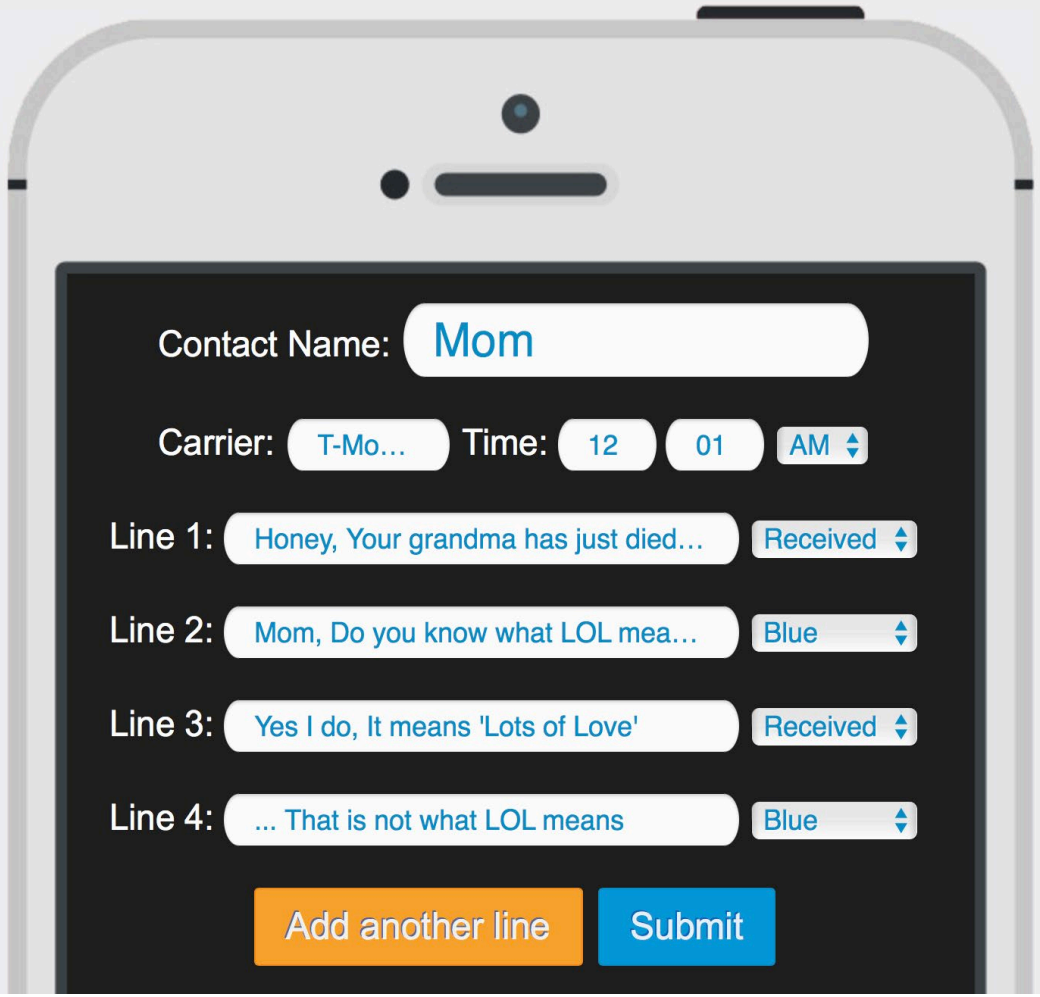
Create fake twitter messages and prank your friends. You can even imitate celebrities to chat with you to fool your friends. Upload profile picture for you and the other person, write as many chat messages as you like. Build your own fake twitter messages now.

Create Twitter Message

SpoofCard


9:41 AM
100%
(800) 555-1212
Incoming Call
Remind Me
Message
Decline
Accept
Protect Your Privacy
Call and text from a secondary number to protect your personal information and privacy. It's easy to use and works on any phone. Try it for FREE when you sign up on our mobile apps!
Download on the App Store
GET IT ON Google play
Trusted by over 5 Million people who value their privacy.

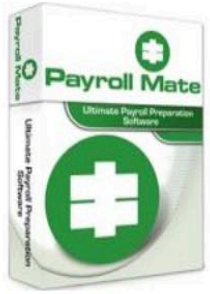

FakePhoneText
AdChoices
▶ Generator
▶ Iphone App
▶ SMS Code
▶ Fake
Like 2.3K
Tweet
Settings
Conversation
Sender
Sender
Receiver
Add message to conversation
Name
John Doe
Blur name
Operator
Clock
AT&T
9:41 AM
"Messages"
"Edit"
Messages
Edit
Connection
3G Wi-Fi EDGE None
Battery status
97% 44% 13% Hide
Spouse
Enter His Email Address.
See Social Profiles,
Pictures & Videos Now!
Update! Fake iOS7 Text Message now available
High quality & NO watermark on final image!
AT&T 3G
9:41 AM
97%
Messages
John Doe
Edit
Is this really a fake iPhone conversation build on-the-go?
Yeah, and you can build your own & download image with no watermark! Use the editor to the left to get started, it will automatically remove these messages.
Amazing!



Fake Documents


TurboTax

Merchant links are sponsored ⓘ



Payroll Mate® Payroll Software

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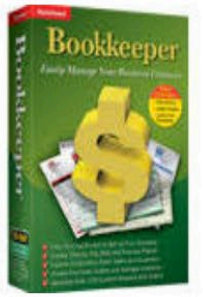
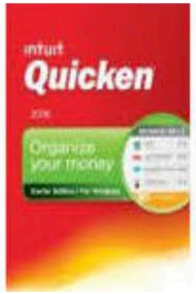
"Comprehensive payroll **software** that fits the needs of accountants, CPAs, small to medium size businesses (SMBs), agricultural employers ...



Avanquest Bookkeeper 2014 - Bookkeeping and Payroll Software - Bo…

$27.97 from Avanquest Software ★★★★☆ 311 seller reviews

Bookkeeping and Payroll **Software** for Small Businesses. Easy Start-Up Wizard to Set Up & Manage Your Business. Create Checks & Pay Bills. Over 125 ...

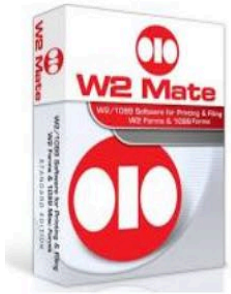


Quicken Starter Edition 2016 - Box Pack

$29.99 from 25+ stores

★★★★☆ 14 product reviews

NET not installed Display: 1024x768 or higher, 1280x1024 for large fonts Internet: 56Kbps modem (Broadband Recommended for Online Services) Sound ...



W2 Mate® W2 / 1099 Software

$39.00 from Real Business Solutions

"W2 Mate® is W2 1099 **Software** to print, and file IRS Forms 1099-MISC, W2, 1096 and W3. EFile (electronic filing) and 1099-INT, 1099-DIV, 1099-R ...

- **Replaceyourdoc.com**
- **Edit any existing document with details you provide.**
- **Add your own transactions, names, dates and addresses to bank statements, utility bills and paystubs.**
- **Option to print it from home the very same same.**
- **Unlimited changes and modifications until you are satisfied.**
- **“Novelty” proof of income documents.**

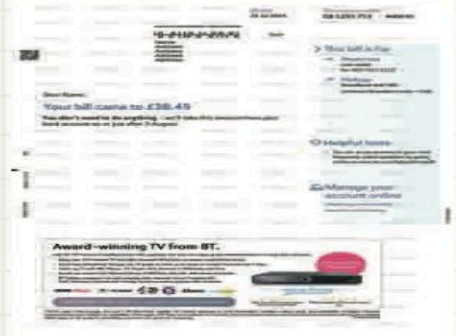
UTILITY BILLS

(click image to enlarge)

Npower

Southern Electric

BT



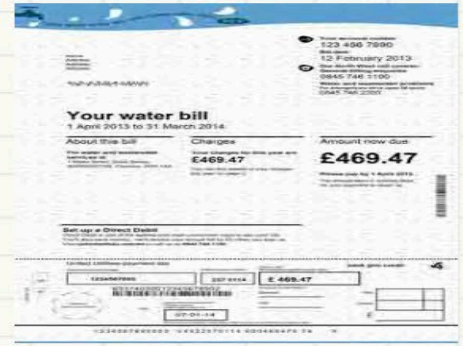
British Gas

Talk Talk

EDF

E-ON

United Utilities



Virgin

DWR

Three

Thames

BANK STATEMENTS

(click image to enlarge)

Yorkshire Bank

HSBC

Barclays

Santander

RBS

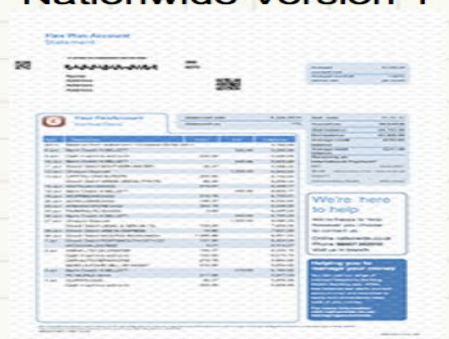
Lloyds

Lloyds Business

CO-OP

Natwest

Nationwide Version 1

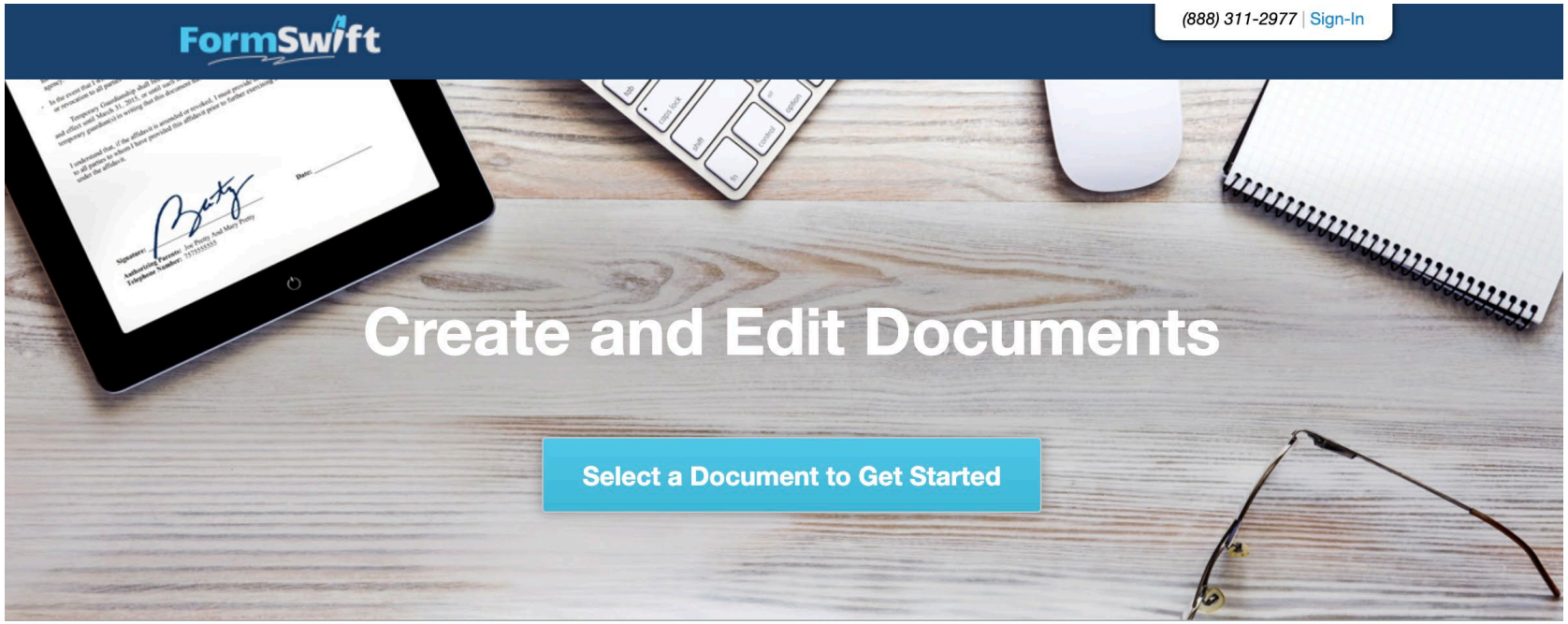


Nationwide Version 2

TSB

FormSwift

(888) 311-2977 | Sign-In



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Select a template from our library of 500+ documents. Then fill out a step-by-step questionnaire and export your completed document in Word or PDF.

Create a Document

Edit PDFs

Upload and edit PDFs with our dynamic PDF editor. You can add text, images, checkmarks, and save and update your PDF at any time.

Upload a PDF

Fake USA Utility Bills

Step 1/2. Please select your Utility Bills choice below:
Please see our samples page for a larger image.

Providing incorrect or inaccurate information for the purpose of misleading others is committing fraud. You must be the original owner of the original documents to place an order. We are not affiliated or connected with any of the companies below. You should contact your original provider for the official documents.

USA - Florida Utility Bill

USA - Texas Utility Bill

USA - California Utility Bill

USA - Virginia Utility Bill

USA - Georgia Utility Bill

USA - Comcast Utility Bill

COMCAST

USA - Frontier Communications Bill

Frontier COMMUNICATIONS

USA - Spectrum Bill

Spectrum

USA - Time Warner Cable Bill

Time Warner Cable®

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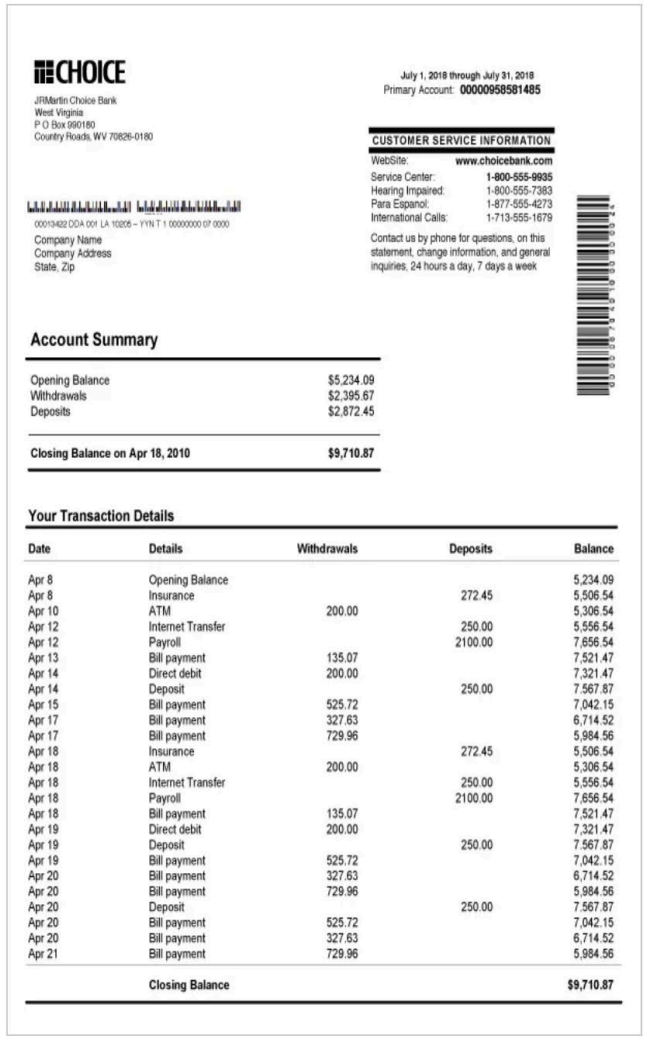


CHOICE

JRMartin Choice Bank
West Virginia
P O Box 990180
Country Roads, WV 70826-0180

July 1, 2018 through July 31, 2018
Primary Account: 00000958581485

CUSTOMER SERVICE INFORMATION

WebSite:	www.choicebank.com
Service Center:	1-800-555-9935
Hearing Impaired:	1-800-555-7383
Para Espanol:	1-877-555-4273
International Calls:	1-713-555-1679

Contact us by phone for questions, on this statement, change information, and general inquiries, 24 hours a day, 7 days a week

00013422 DDA 001 LA 10826 – YYN T 1 00000000 07 0000

Company Name
Company Address
State, Zip

Account Summary

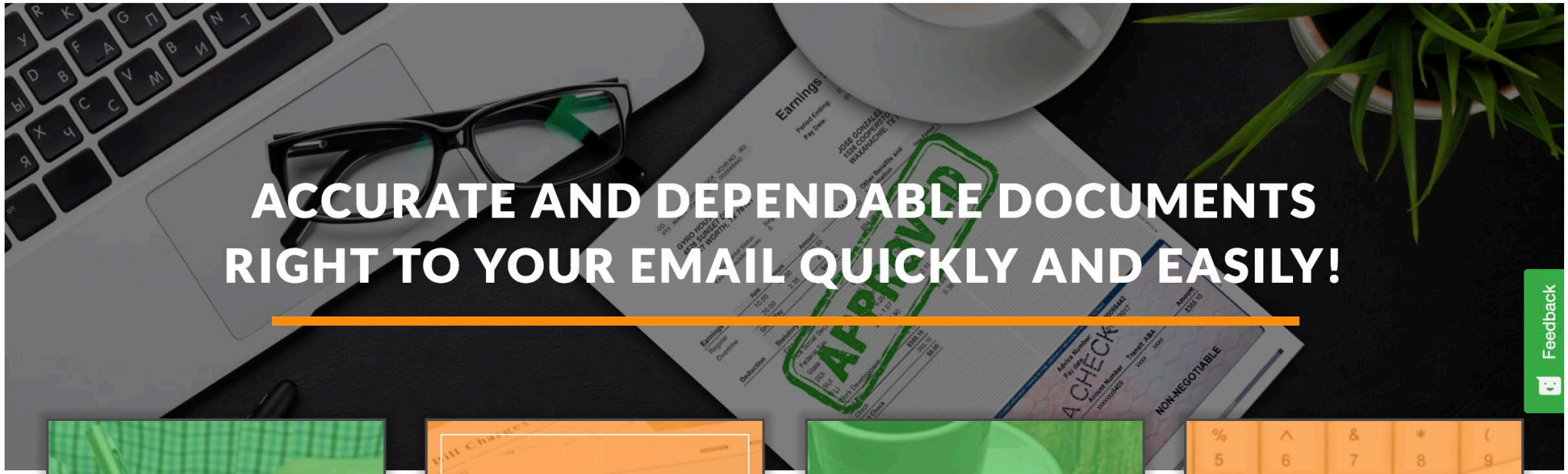
Opening Balance	$5,234.09
Withdrawals	$2,395.67
Deposits	$2,872.45
Closing Balance on Apr 18, 2010	**$9,710.87**

Your Transaction Details

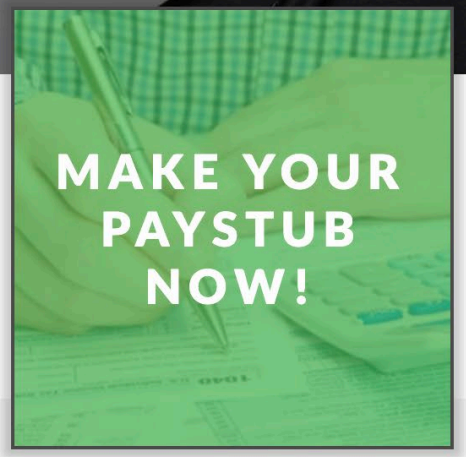
Date	Details	Withdrawals	Deposits	Balance
Apr 8	Opening Balance			5,234.09
Apr 8	Insurance		272.45	5,506.54
Apr 10	ATM	200.00		5,306.54
Apr 12	Internet Transfer		250.00	5,556.54
Apr 12	Payroll		2100.00	7,656.54
Apr 13	Bill payment	135.07		7,521.47
Apr 14	Direct debit	200.00		7,321.47
Apr 14	Deposit		250.00	7,567.87
Apr 15	Bill payment	525.72		7,042.15
Apr 17	Bill payment	327.63		6,714.52
Apr 17	Bill payment	729.96		5,984.56
Apr 18	Insurance		272.45	5,506.54
Apr 18	ATM	200.00		5,306.54
Apr 18	Internet Transfer		250.00	5,556.54
Apr 18	Payroll		2100.00	7,656.54
Apr 18	Bill payment	135.07		7,521.47
Apr 19	Direct debit	200.00		7,321.47
Apr 19	Deposit		250.00	7,567.87
Apr 19	Bill payment	525.72		7,042.15
Apr 20	Bill payment	327.63		6,714.52
Apr 20	Bill payment	729.96		5,984.56
Apr 20	Deposit		250.00	7,567.87
Apr 20	Bill payment	525.72		7,042.15
Apr 20	Bill payment	327.63		6,714.52
Apr 21	Bill payment	729.96		5,984.56
	Closing Balance			**$9,710.87**

Google “Best Fake Receipt Makers”

- Invoice home
- Invoice maker
- Billdu
- Invoice 2go
- Quick receipt
- Tiny invoice
- Easy Receipts Generator

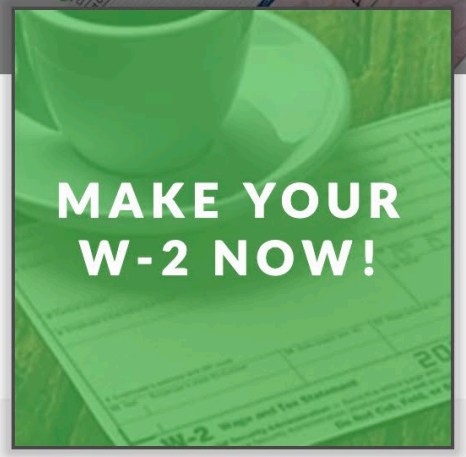


ACCURATE AND DEPENDABLE DOCUMENTS RIGHT TO YOUR EMAIL QUICKLY AND EASILY!

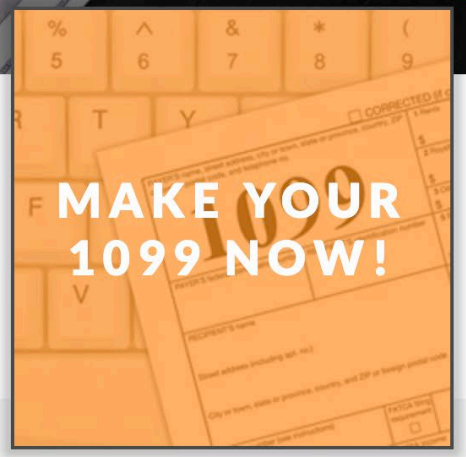


EXAMPLE

EXAMPLE



EXAMPLE



EXAMPLE

SUBMIT ORDER FORM

- ✓ Our team of professionals will always make your required modifications to your documents using a fake utility bill generator for better suiting to your particular needs.
- ✓ We make use of high quality 100 gm paper for printing the hard copy of your novelty utility bill.
- ✓ The printed copy of your replica document will reach you within 3 working days. The soft copy will be emailed to you the next business day after you place your utility bill order.
- ✓ Your novelty utility bill document will have a front as well as a back page to make it look more authentic.
- ✓ Our documents do not feature words like “sample” or “specimen”.
- ✓ The novelty utility bills generated by our dedicated team appear original and authentic.

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Introduction

Pricing

No Worries

Our Certificates:

BIRTH
DEATH
PAGEANT
DEGREE
WEDDING
DIVORCE

Free Fun:

LIFESPAN QUIZ

Welcome

There are many reasons why you might want to make a joke document, and as long as you're just doing it for **FUN** you've come to the right place.

For just a couple of bucks you can get realistic looking joke document that you can print on your printer. **Note that this is not just a blank document that you have to fill in by hand. All your information is printed in a fancy font on the document.**

You might like to spice up your family tree by adopting some new (and very famous) parents.

Who would not be impressed to discover that you are actually the love child of <.... Insert your favorite Stars here ....>. One of our Joke Birth Certificates left casually on your desk will do the trick.

The possibilities are limited only by your imagination. And of course if your creative side is a currently a little blocked, we have plenty of suggestions.

Alternatively what better way to prove your ability to Time Travel than a copy of your own Death Certificate?

Your street cred cannot fail to be influenced by a certificate stating that you were once (briefly) married to one of the Kardashian ... and you'll have the Wedding Certificate and Divorce Decree to prove it!

N.B. Our docs are NOT of any use for Fraud or Criminal deception.

how to make fake documents with photoshop

Avuthkar Ram

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5,234

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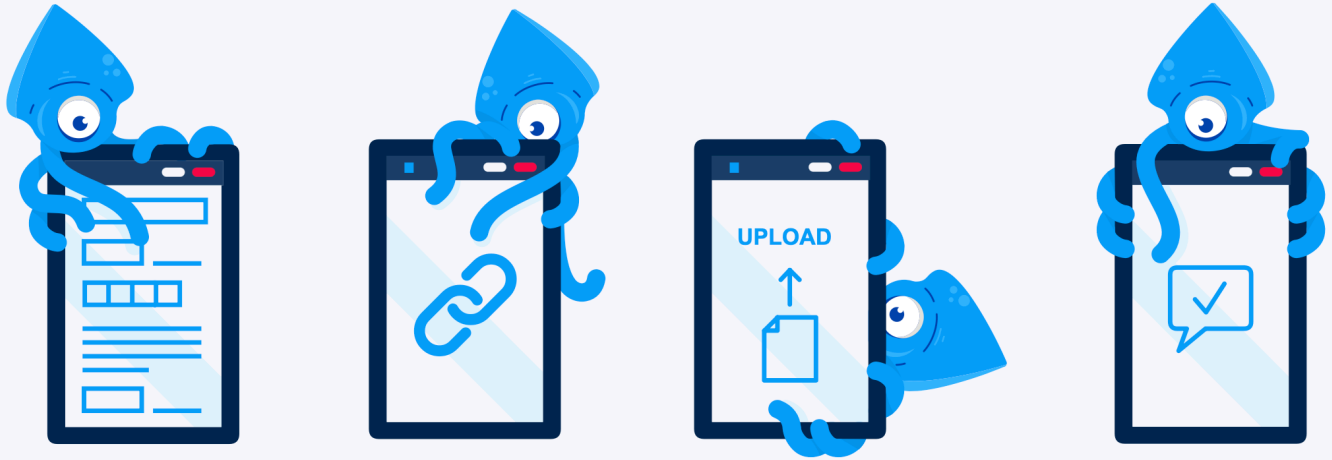
Fraud Detection and Income Verification Software

SNAPPT



1 Fill Out

Applicants fill out your pre-existing application.

2 Receive Link

The applicant receives their own unique link to submit their income documents for verification

3 Upload

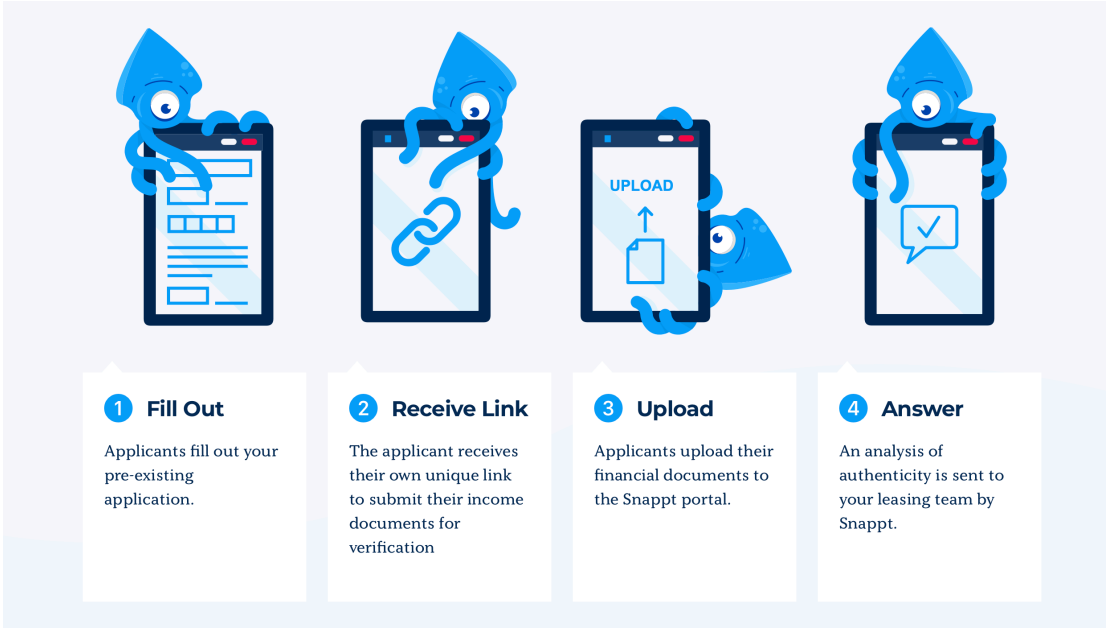
Applicants upload their financial documents to the Snappt portal.

4 Answer

An analysis of authenticity is sent to your leasing team by Snappt.

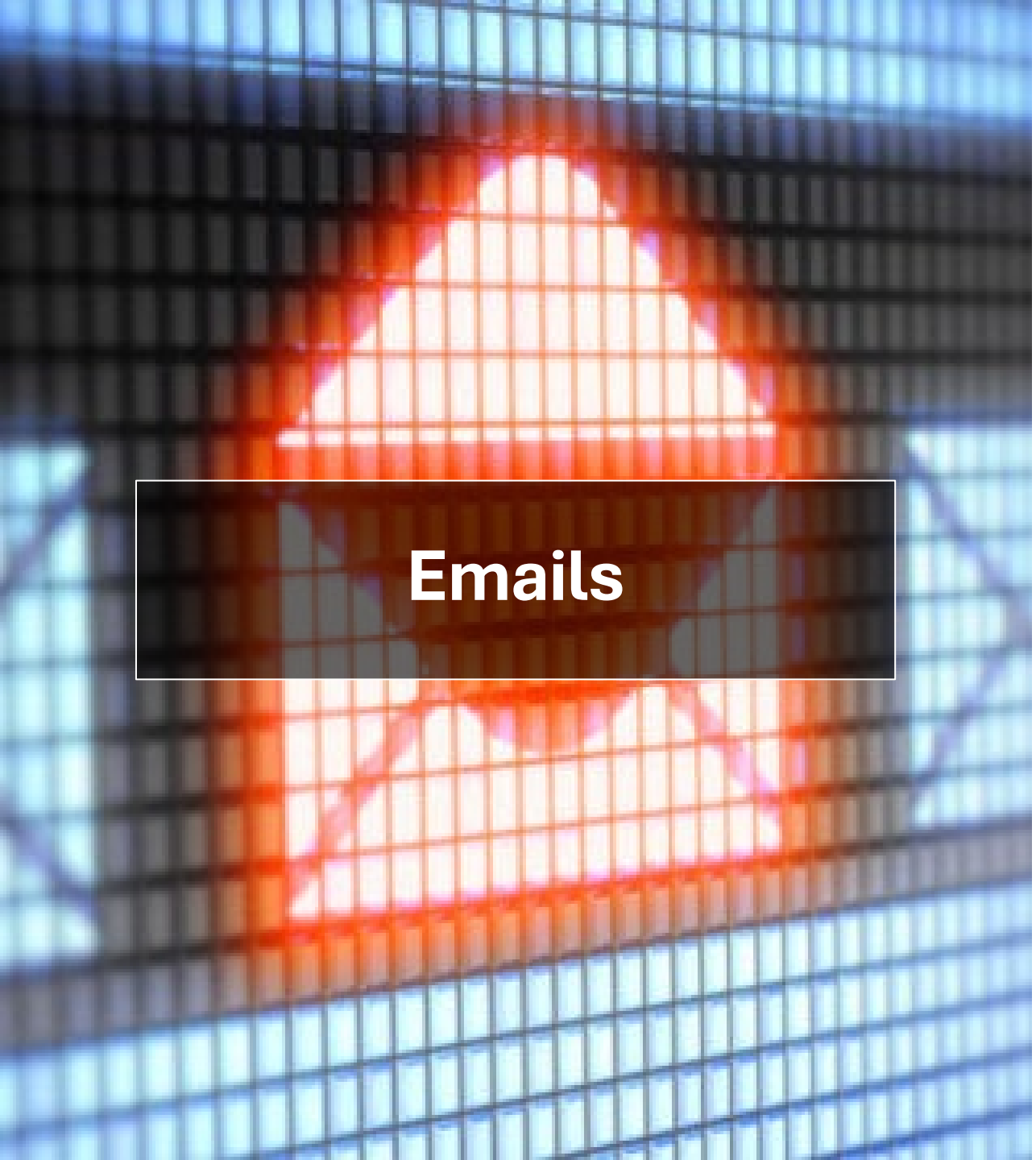
SNAPPT

- Predictive Software
- Powers by Artificial Intelligence
- Trained by over 3MM docs and scanning 200K daily
- Scans for over 10,000 anomalies to determine document manipulation
- 99.8% accuracy



Emails

- Email may be authenticated by direct or circumstantial evidence
- Email may be authenticated entirely by circumstantial evidence, including its distinctive characteristics TRE 901(4)(B)
- Email may be authenticated by comparison of exemplars with other e-mails that already have been authenticated TRE 901(b)(3)
- Email that qualifies as business/domestic record may be self-authenticating under TRE 902(11)



- Consistency with the email address on another email sent by the defendant
- the author's awareness through the email of the details of defendant's conduct
- the email's inclusion of similar requests that the defendant had made by phone during the time period; and
- the email's reference to the author by the defendant's nickname.

Emails

- *Why do you believe the email is from your spouse?*
  - *[TRE 901(b)(4) distinctive characteristics]*
  - *Nickname; facts only known to a limited number of people, referenced a specific event, specific accent, etc..*

Text Messages

- TRE 901(b)(4) Distinctive Characteristics
- Provide sufficient direct or circumstantial corroborating evidence of authorship in order to authenticate the text message, unless the the messages can actually be identified as being sent to the phone.

Text Messages

- D was convicted of aggravated kidnapping
- A week before his trial began, he texted with victim and called her during the text message exchange
- D had replied back and forth with victim
- Victim’s testimony was impeached as untruthful

Butler v. State
459 S.W.3d 595
(Tex. Crim. App. 2015)

The content and context of the text messages themselves constituted circumstantial evidence of the authenticity of the messages

The fact that D actually called victim during the text message exchange adds additional circumstantial evidence

Rational inferences existed, from the context of the messages, that D authored them.

REPLY LETTER DOCTRINE

- *Varkonyi v. State*
  276 S.W.3d 27 (Tex. App. – El Paso 2008)

- A letter received in the due course of mail purportedly in answer to another letter is *prima facie* genuine and admissible without further proof of authenticity.

- A reply letter needs no further authentication because it is unlikely that anyone other than the purported writer would know and respond to the contents of the earlier letter addressed to him.

Butler v. State

459 S.W.3d 595 (Tex. Crim. App. 2015)

Reply Letter Doctrine Applied to Electronic Messages

- An **electronic communication** received in the due course of mail purportedly in answer to another **electronic communication** is *prima facie* genuine and admissible without further proof of authenticity.

- A reply **electronic communication** needs no further authentication because it is unlikely that anyone other than the purported writer would know and respond to the contents of the earlier **electronic communication** addressed to him.

Reply Letter Doctrine

- *[TRE 901(b)(4) distinctive characteristics test]*
  - *Used a special nickname;*
  - *Accent shown in words;*
  - *Knowledge of specific information.*
- When the [*email/text/instant message*] came in, did you reply to it?
  - I did.

Reply Letter Doctrine

- Did your husband reply back to that [*email/text/instant message*]?
  - Yes.
- Did you respond back?
  - Yes.
- Did this reply and response between you and your husband continue?
  - Yes.

Admission by Party Opponent
Non-Hearsay

TRE 801(e)

- e) Exception for Admissions by a Party-Opponent. - A statement is admissible as an exception to the hearsay rule if it is offered against a party and it is
- (A) his own statement, in either his individual or a representative capacity, or
- (B) a statement of which he has manifested his adoption or belief in its truth, or
- (C) a statement by a person authorized by him to make a statement concerning the subject, or
- (D) a statement by his agent or servant concerning a matter within the scope of his agency or employment, made during the existence of the relationship or
- (E) a statement by a coconspirator of such party during the course and in furtherance of the conspiracy.

Adoptive Admission
Non-Hearsay

TRE 801(e)

- e) Exception for Admissions by a Party-Opponent. - A statement is admissible as an exception to the hearsay rule if it is offered against a party and it is
- (A) his own statement, in either his individual or a representative capacity, or
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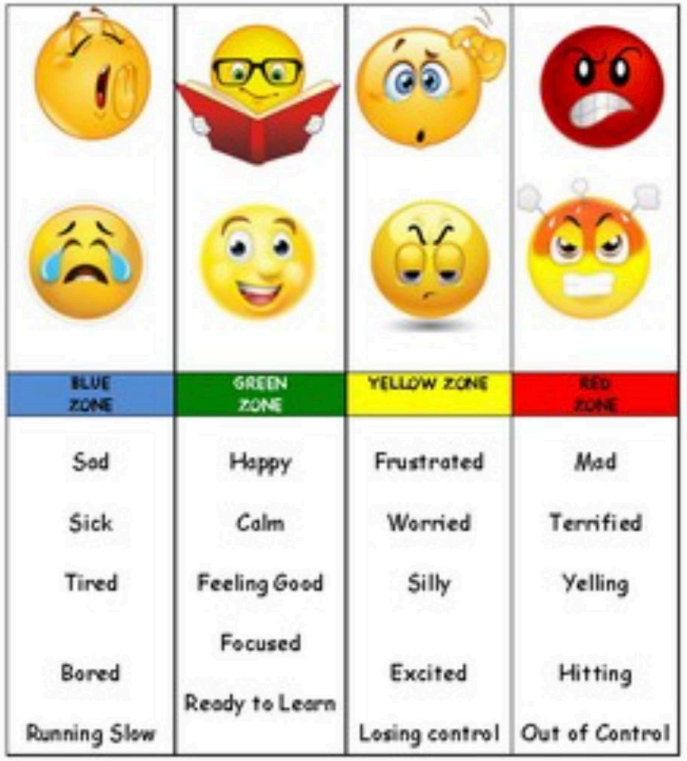
- (E) a statement by a coconspirator of such party during the course and in furtherance of the conspiracy.

Admission/statement against interest

Hearsay Exception

- TRE 803(24)
- A statement that:
- (A) a reasonable person in the declarant's position would have made only if the person believed it to be true because, when made, it was so contrary to the declarant's proprietary or pecuniary interest or had so great a tendency to invalidate the declarant's claim against someone else or to expose the declarant to civil or criminal liability or to make the declarant an object of hatred, ridicule, or disgrace; and
- (B) is supported by corroborating circumstances that clearly indicate its trustworthiness, if it is offered in a criminal case as one that tends to expose the declarant to criminal liability.

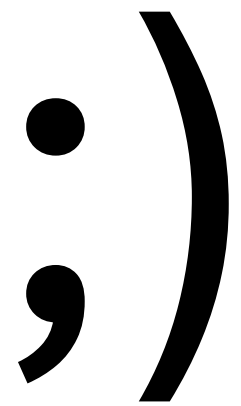
Electronic Communication Without Words



Winkie Face Emoji is not consent (TX)

- A Texas man prosecuted for violently sexually assaulting an acquaintance in 2011.
- The defendant argued that his victim had preemptively consented to sex through several text messages they had exchanged prior to the incident, which he had interpreted as sexually suggestive.
- This text exchange had culminated in the victim texting the man “a ‘winkie face’ emoji.
- At trial, the defendant argued that there were at least two consents for sex—three, if one counts the ‘winkie face.’
- 10 years in prison

Winking Emoticon showed amuse by opportunity to harass (DE)



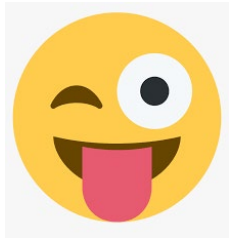
- A Delaware judge interpreted a winking emoticon as a menacing signal.
- When a man secretly bought a plane ticket next to a colleague who clearly did not wish to see him again, “surprised” her on her flight to Paris, then boasted to friends in a text—“Was next to [the woman] on the plane to Paris and she switched seats;)”—
- The man claimed that the wink showed he had just been joking around.
- The judge disagreed, interpreting the wink as a sign that the man “was amused by yet another opportunity to harass” his target.

Ghanam v. Does

303 Mich. App. 522, 845 N.W.2d 128 (2014)
Sticking Tongue Out Emoticon Meant Sarcasm

- Defamation case involving missing road salt and new garbage trucks for the city
- Someone responded to an online forum thread that a public official was responsible for stealing the road salt and purchasing new garbage trucks to make more money from a side business selling tires
- Michigan Court of Appeals interpreted the ":P" (sticking tongue out emoticon) included in the posts to mean sarcasm, so the statements connected with that emoji "cannot be taken seriously as asserting a fact," so they were not defamatory

:P



A court in France sentenced a 22-year-old man to three months in prison for texting his ex-girlfriend a pistol emoji, which the court determined was a **“real threat”**

Emoji analysis combined with distinctive characteristics

Prosecutors in a Massachusetts murder case successfully argued that the defendant's use of an emoji with X's for eyes coupled with the nickname of the victim suggested a premeditated homicide and *not* accidental death as the defendant argued.

CA prosecutors were trying to prove that a man arrested during a prostitution sting was guilty of pimping charges, and among the evidence was a series of Instagram DMs he'd allegedly sent to a woman. One read: "Teamwork make the dream work" with high heels and money bag emoji placed at the end. Prosecutors said the message implied a working relationship between the two of them. The defendant said it could mean he was trying to strike up a romantic relationship.

Sex trafficking Expert: high heels and bags of money supported the interpretation that the defendant was accused of sex trafficking, essentially translating to “wear your high heels to come make some money.”

Crown emoji signifies “pimp is king”

Commonwealth v. Foster, 2019 WL 3926375 (Pa. 2019).

Following his Pennsylvania drug conviction, Foster raised the attention of his probation officer by posting photographs depicted guns, drugs, large amounts of money, along with pill emojis.

People v. Smith, 2019 WL 1122768 (Cal. 2019).

Smith was convicted of witness intimidation in California for sending a text to a witness that included emojis of guns, rats and eyeballs.

State v. Urich, 2019 WL 3544019 (2019).

In Ohio, Urich was convicted of violating a protective order for, among other things, sending an emoji of a waiving hand to the victim.

TRE 901(b)(4)
Distinctive Characteristics

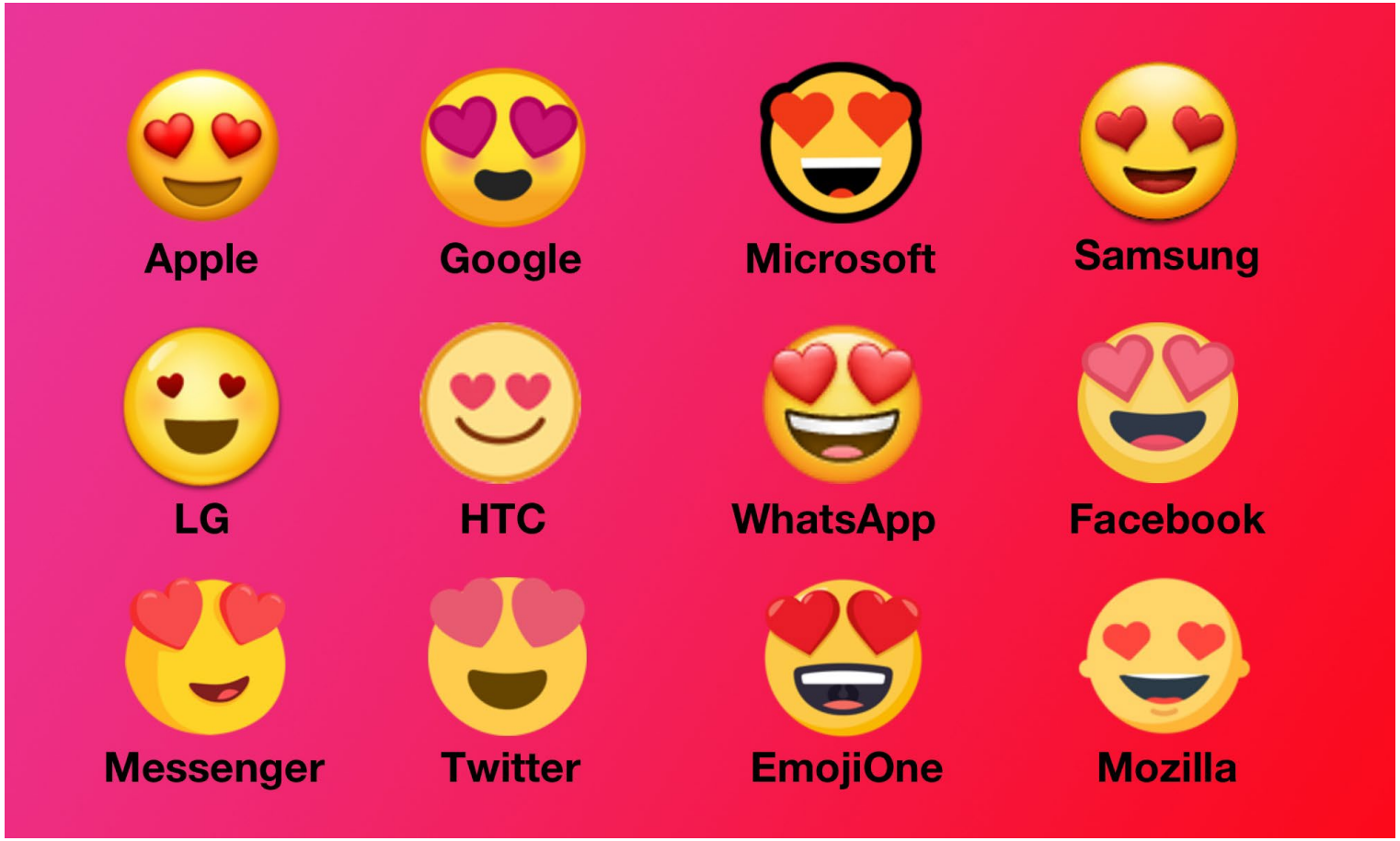
- From the list of examples of methods of authentication:
- Distinctive characteristics and the like.
- Appearance, contents, substance, internal patterns, or other distinctive characteristics, *taken in conjunction with the circumstances.*

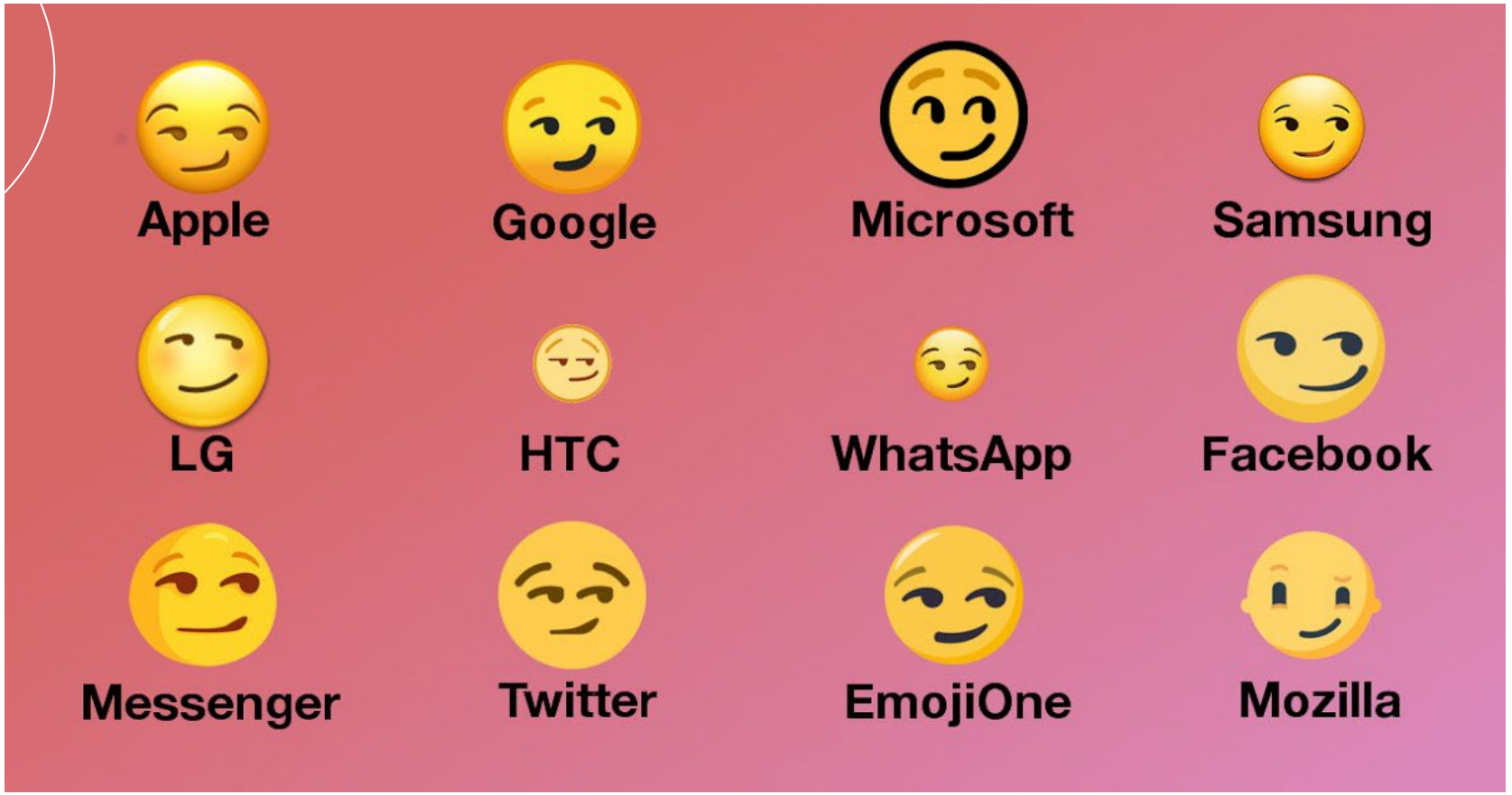
Intent

S. v. Grand Island Public Schools, 899 N.W.2d 893 (Neb. 2017)

Nebraska school officials had to deal with the threat of a student “fire” emoji that seemed to suggest a violent attack would occur at the school the next day.

How a platform displays an emoji may affect how someone defines the emoji


Apple
Google
Microsoft
Samsung
LG
HTC
WhatsApp
Facebook
Messenger
Twitter
EmojiOne
Mozilla


Apple
Google
Microsoft
Samsung
LG
HTC
WhatsApp
Facebook
Messenger
Twitter
EmojiOne
Mozilla

	Apple	Google	Microsoft	Samsung
2013 *				
2014				
2015				
2016				
2017				
2018				

* 2012 for Google and Microsoft

	Apple	Google	Microsoft	Samsung
2013 *				
2014				
2015				
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2017				
2018				

* 2012 for Google and Microsoft

Communicating with Petitioner in person, by telephone, cell phone, electronic communication (including but not limited to email, text instant message, and video) or in writing in vulgar, profane, obscene, or indecent language or in a coarse or offensive manner with the intent to annoy or alarm the other party.

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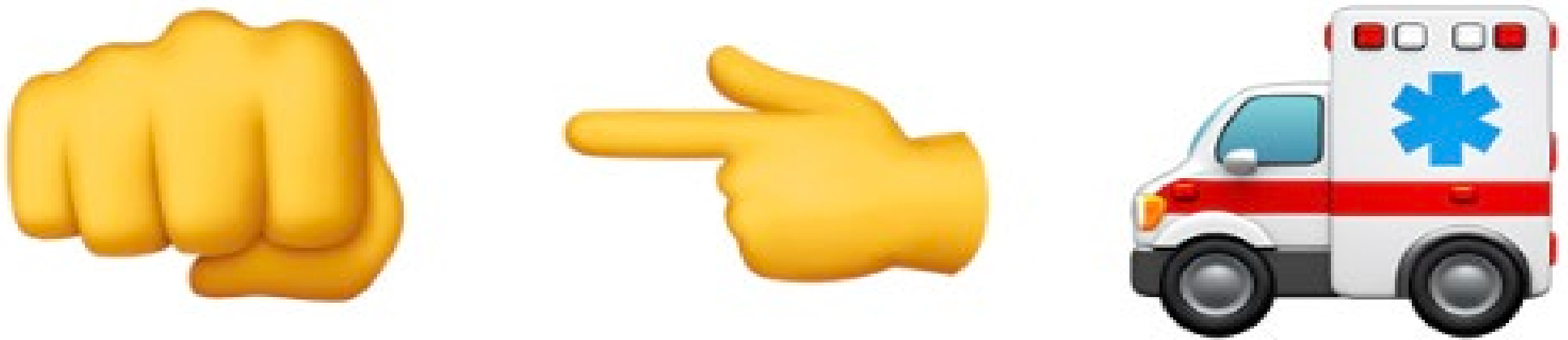
How an emoji is displayed by a platform can change the entire meaning of the message.



This message sent by two men taken into custody for stalking charges in South Carolina.)

-CROSS PLATFORM DISCREPENCY-

Platforms like Apple, Google, and Microsoft are permitted to display different emojis idiosyncratically. Furthermore, Unicode cannot force the platforms to display emojis in the same way. So, **the sender and the recipient may see different messages without realizing the discrepancy.**

AMBULANCE IS COMING!

YOU'RE GOING TO NEED AN AMBULANCE!

Intent

Words interpreted as an Emoji London Defamation Case

The words “*innocent face*” were not a true pictographic emoji. But the court nonetheless found that users of Twitter were likely to interpret the words “like a stage direction, or an emoticon”—in other words, like an emoji

innocent face

Ultimately, the court ruled that “*innocent face*” was “insincere and ironical” and contributed to the libel. The court ruled against Bercow, leading to her admission of fault and costing her more than $20,000.

Israel: Real Estate Contract Case

Good morning  [*smiling face with smiling eyes*] Interested in the house  [*woman dancing*]  [*people with bunny ears*]  [*comet*]   [*bottle with popping cork*] ... just need to discuss the details... When's a good time for you?

Israel: Real Estate Contract Case

- Good morning 😊
- Interested in house 💃 👯 ☄️ 🐿️ 🍾
- Just need to discuss the details. When is a good time for you?

Israel: Real Estate Contract Case

- Based on this message, the landlord took the apartment off the market.
- The potential tenants stopped responding to the landlord's message
- The Israeli court did not hold that a binding contract had been created by the text message.
- But Israel has a statutory requirement that contracting parties act in good faith, and the court awarded the landlord $2,200 on the basis that the potential tenants were acting in bad faith.
- Specifically, the judge said that "the sent symbols … convey great optimism" and that the message naturally led the landlord to rely on the defendant's desire to rent his apartment.

Adding an emoji such as the “thumbs up” sign, “shaking hands” may create a reasonable expectation that the sender has agreed to a contract.

Emojis and Emoticons in Court Opinions

by Professor Eric Goldman (egoldman@gmail.com)

Last updated January 8, 2022

	Emoji/Emoticon	Which?	Where used?	Did court display?	More than 1x	Type of legal issue
2004						
MicroStrategy, Inc. v. Business Objects, S.A., 331 F. Supp. 2d 396 (E.D. Va. 2004)	Emoticon	Smiley	Email	No	No	Trade Secret
2007						
Hiller v. United States, 2007 U.S. Dist. LEXIS 85536 (N.D. Cal. Sept. 28, 2007)	Emoticon	Not specified	Web posting (jeep	No (omitted)	Yes	Personal Injury
State v. Atchison, 15 Neb. App. 422 (Neb. Ct. App. 2007)	Emoticon	Devil, Wink, Smug, Batting Eyelashes	IM	Yes	Yes	Sexual Predation
U.S. v. Cochran, 510 F. Supp. 2d 470 (N.D. Ind. 2007). Affirmed U.S. v. Cochran, 534 F.3d 63	Emoticon	French kiss and others	Yahoo Chat	No	Yes	Sexual Predation
2008						
Fair Hous. Council v. Roommates.com, LLC, 521 F.3d 1157 (9th Cir. 2008)	Emoticon	Multiple	Web posting (Roc	No	No	Housing Discrimination
SD Prot., Inc. v. Del Rio, 2008 U.S. Dist. LEXIS 112043 (E.D.N.Y. Sept. 10, 2008)	Emoticon	Smiley	Email	Yes	No	Contract
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Smith v. Rose, 2009 U.S. Dist. LEXIS 43787 (W.D. Wis. May 20, 2009)	Emoticon	Smiley	Hand-written	No	No	Prison
State v. Pischel, 277 Neb. 412 (2009)	Emoticon	Anger and others	IM	No	Yes	Sexual Predation
State v. Prine, 13 So.3d 758 (La. Ct. App. May 20, 2009), habeus denied Prine v. Winn Corr.	Emoticon	Smiley	Chatroom	No	No	Sexual Predation
In re Trans Union Corp. Privacy Litig., 2009 U.S. Dist. LEXIS 116934 (N.D. Ill. Oct. 1, 2009)	Emoticon	Smiley	Email	No	No	Attorneys Fees
U.S. v. Brown, 2009 U.S. Dist. LEXIS 59671 (S.D. Ind. July 13, 2009)	Emoticon	"smiling and winking"	Chat	No	No	Sexual Predation
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Career Agents Network, Inc. v. careeragentsnetwork.biz, 722 F. Supp. 2d 814 (E.D. Mich. 201	Emoticon	Smiley face or winky [sounded like a smiley to me]	Text message	No	No	Attorneys Fees
FTC v. LucasLaw Center Inc., 2010 WL 11506885 (C.D. Cal. June 3, 2010)	Emoticon	Smiley	Email	No	No	Fraud
Gearren v. McGraw-Hill Cos., 690 F. Supp. 2d 254 (S.D.N.Y. 2010)	Emoticon	Unspecified	Email	No	No	ERISA
Lenz v. Universal Music Corp., 2010 U.S. Dist. LEXIS 16899 (N.D. Cal. Feb. 25, 2010)	Emoticon	Winky	Email	Yes	Yes	Copyright Takedown
In re Oladiran, 2010 U.S. Dist. LEXIS 106385 (D. Az. Sept. 21, 2010)	Emoticon	Smiley	Letter	No	No	Attorney Discipline
State v. Nero, 122 Conn. App. 763 (2010)	Emoticon	Winking, Happy Face, Confused	Chatroom	No	Yes	Sexual Predation

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2007						
Hiller v. United States, 2007 U.S. Dist. LEXIS 85536 (N.D. Cal. Sept. 28, 2007)	Emoticon	Not specified	Web posting (jeep	No (omitted)	Yes	Personal Injury
State v. Atchison, 15 Neb. App. 422 (Neb. Ct. App. 2007)	Emoticon	Devil, Wink, Smug, Batting Eyelashes	IM	Yes	Yes	Sexual Predation
U.S. v. Cochran, 510 F. Supp. 2d 470 (N.D. Ind. 2007). Affirmed U.S. v. Cochran, 534 F.3d 63	Emoticon	French kiss and others	Yahoo Chat	No	Yes	Sexual Predation
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Fair Hous. Council v. Roommates.com, LLC, 521 F.3d 1157 (9th Cir. 2008)	Emoticon	Multiple	Web posting (Roc	No	No	Housing Discrimination
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U.S. v. Angle, 2008 U.S. Dist. LEXIS 34074 (N.D. Ind. Apr. 24, 2008), repeated U.S. v. Angle,	Emoticon	Smiley	Email	Yes	No	Sexual Predation
Woodson v. Lason Systems, 2008 WL 11333778 (W.D. Tex. Nov. 4, 2008)	Emoticon	Unspecified	MSN and Yahoo M	No	No	Employment Termination
2009						
Smith v. Rose, 2009 U.S. Dist. LEXIS 43787 (W.D. Wis. May 20, 2009)	Emoticon	Smiley	Hand-written	No	No	Prison
State v. Pischel, 277 Neb. 412 (2009)	Emoticon	Anger and others	IM	No	Yes	Sexual Predation
State v. Prine, 13 So.3d 758 (La. Ct. App. May 20, 2009), habeus denied Prine v. Winn Corr.	Emoticon	Smiley	Chatroom	No	No	Sexual Predation
In re Trans Union Corp. Privacy Litig., 2009 U.S. Dist. LEXIS 116934 (N.D. Ill. Oct. 1, 2009)	Emoticon	Smiley	Email	No	No	Attorneys Fees
U.S. v. Brown, 2009 U.S. Dist. LEXIS 59671 (S.D. Ind. July 13, 2009)	Emoticon	"smiling and winking"	Chat	No	No	Sexual Predation
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Career Agents Network, Inc. v. careeragentsnetwork.biz, 722 F. Supp. 2d 814 (E.D. Mich. 201	Emoticon	Smiley face or winky [sounded like a smiley to me]	Text message	No	No	Attorneys Fees
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Gearren v. McGraw-Hill Cos., 690 F. Supp. 2d 254 (S.D.N.Y. 2010)	Emoticon	Unspecified	Email	No	No	ERISA
Lenz v. Universal Music Corp., 2010 U.S. Dist. LEXIS 16899 (N.D. Cal. Feb. 25, 2010)	Emoticon	Winky	Email	Yes	Yes	Copyright Takedown
In re Oladiran, 2010 U.S. Dist. LEXIS 106385 (D. Az. Sept. 21, 2010)	Emoticon	Smiley	Letter	No	No	Attorney Discipline
State v. Nero, 122 Conn. App. 763 (2010)	Emoticon	Winking, Happy Face, Confused	Chatroom	No	Yes	Sexual Predation




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2021

Advsr v. Magisto Ltd., 2021 U.S. Dist. LEXIS 153030 (N.D. Cal. Aug. 13, 2021)	Emoji	Winky	Email	No	No	Contract breach
Andrade v. City of Milwaukee Bd. of Fire & Police Comm'rs, 2021 Wisc. App. LEXIS 764 (Wis.	Emoji	Laughing	Facebook post	No	No	Employment termination
Annie Oakley Enterprises, Inc. v. Amazon.com, Inc., 2021 WL 2373779)	Emoji	Exploding head	Court opinion	No	No	Trademark (discovery dispute)
Ariz. Bd. of Regents v. Doe, 2021 U.S. Dist. LEXIS 154911 (D. Ariz. Aug. 17, 2021)	Emoji	Belorussian Flag	Instagram	No	No	Trademark
Attorney Grievance Commission of Maryland v. Vasiliades, 2021 WL 3616702 (Md. Ct. App. A	Emoji	Laughing, thumbs up	Social media com	No	No	Attorney discipline
Bauer v. Brinkman, 2021 Iowa Sup. LEXIS 39 (Iowa Supreme Ct. April 16, 2021)	Emoji	Grinning	Facebook comme	No	Yes	Defamation
Bauer v. Gharib, 2021 Cal. App. Unpub. LEXIS 327 (Cal. App. Ct. Jan. 20, 2021)	Emoji	Unspecified	Text message	No	Yes	Harassment order
Bishop v. City of Philadephia Dep't of Prisons, 2021 U.S. Dist. LEXIS 189048 (E.D. Pa. Sept. 3	Emoji	Clapping hand, monocle face, fire	Social media post	Yes	Yes	Employment discrimination
Blessing v. Chandrasekhar, 2021 U.S. App. LEXIS 5222 (6th Cir. Feb. 23, 2021)	Emoji	Waving	Tweet	No	No	Defamation
Boshaw v. Midland Brewing Co., 2021 U.S. Dist. LEXIS 60621 (E.D. Mich. March 30, 2021)	Emoji	Neutral face	Text message	No	No	Employment discrimination
Burks v. State, 2021 WL 1747943 (Md. Ct. Special App. May 5, 2021)	Emoji	"Unclear"	Text message	No	Yes	Rape
C.B.v K.L., 2021 Del. Fam. Ct. LEXIS 4 (Delaware Family Court April 23, 2021)	Emoji	Unspecified	Unspecified	No	No	Litigation procedure
Calderon v. Vannoy, 2021 U.S. Dist. LEXIS 73735 (E.D. La. March 4, 2021)	Emoji	Crying face	Facebook	No	No	Murder
Capitol Records LLC v. Vimeo LLC, 2021 WL 2181252 (S.D.N.Y. May 28, 2021)	Emoticon	:(	Vimeo profile	Yes	No	Copyright infringement
Castro v. Yale Univ., 2021 U.S. Dist. LEXIS 24376 (D. Conn. Feb. 9, 2021)	Emoji	Alcoholic beverages	"Messages"	No	No	Sexual harassment
Christus Good Shepherd Med. Ctr. v. Sonnier, 2021 Tex. App. LEXIS 7404 (Tex. Ct. App. Sep	Emoji	Crying	Text message	No	No	Medical malpractice
Clark v. Clark, 2021-NCCOA-652 (N.C. Ct. App. Dec. 7, 2021)	Emoji	Star	Kik and Facebook	No	Yes	Nonconsensual pornography
Clark v. Yankovoy, 2021 WL 2372336 (N.Y. City Ct. June 7, 2021)	Emoji	Unspecified	Text message	No	No	Real estate commission dispute
Commonwealth v. Alexander, 2021 Pa. Super. LEXIS 399 (Pa. Superior Ct. June 29, 2021)	Emoji	Heart eyes, smiley, winky	Text message	No	Yes	Obscenity
Commonwealth v. Kozubal, 2021 Mass. LEXIS 582 (Mass. Sup. Ct. Oct. 15, 2021)	Emoji	Smiley	Text message	No	Yes	Sexual predation
Commonwealth v. Limuli, 2021 Pa. Super. Unpub. LEXIS 1618 (Pa. Superior Ct. June 16, 202	Emoji	Smiley	Text message	No	No	Sexual predation
Coogle v. United States, 2021 U.S. Dist. LEXIS 6673 (S.D.W.V. Jan. 13, 2021)	Emoji	Smiley	Text message	No	Yes	Sexual predation
Coutant v. Durell, 2021 Ill. App. LEXIS 673 (Ill. Ct. App. Dec. 13, 2021)	Emoji	Unspecified	Text message	No	Yes	Stalking
Cowan v. State, 2021 Ala. Crim. App. LEXIS 83 (Ala. Crim. Ct. App. Dec. 17, 2021)	Emoji	"people running with smoke behind them"; money b	Text message	No	No	Murder
Dean v. REM Staffing, 2021 WL 3819451 (N.D. Ill. May 10, 2021)	Emoji	Smiley	Email	No	No	Contract (settlement agreement)
Disciplinary Counsel v. Winters, Slip Opinion No. 2021-Ohio-2753 (Ohio Sup. Ct. Aug. 17, 202	Emoji	Smiley	Facebook Messer	Yes	No	Judicial misconduct
Douglas v. Alfasigma United States, 2021 U.S. Dist. LEXIS 113603 (N.D. Ill. June 17, 2021)	Emoji	"racially offensive"	Unspecified	No	No	Employment discrimination
DR Distributors, LLC v. 21 Century Smoking, Inc, 2021 WL 185082 (N.D. Ill. Jan. 19, 2021)	Emoticon	:)	Email	Yes	Yes	Trademark
Eckerd v. SSC North America LCC, 2021 WL 6033684 (N.D. Okla. April 27, 2021)	Emoji	Thumbs up	Text message	No	No	Contract
Eckhart v. Fox News Network, 2021 U.S. Dist. LEXIS 171219 (SDNY Sept. 9, 2021)	Emoji	Unspecified	Text message	No	No	Rape
Feit v. Lehigh University, 2021 WL 409971 (E.D. Pa. Feb. 5, 2021)	Emoji?	"ascii emoji depicting a derrière"	Email	No	No	Employment discrimination
Fisher v. Army Nat'l Guard, 2021 U.S. Dist. LEXIS 241835 (E.D. Cal. Dec. 17, 2021)	Emoji	Unspecified	Social media	No	No	Sexual predation
Flynn v. Cable News Network, Inc., 2021 U.S. Dist. LEXIS 242515 (S.D.N.Y. Oct. 22, 2021)	Emoji	American flag	Twitter post	No	Yes	Defamation
Fry v. Ascension Health Ministry Servs., 2021 U.S. Dist. LEXIS 83842 (E.D. Wis. May 3, 2021	Emoji	face with tongue sticking out	Email	No	No	Employment discrimination
Gareaux v. Aronik Llc, 2021 U.S. Dist. LEXIS 225963 (D. Utah Nov. 22, 2021)	Emoji	Camera	Instagram	No	Yes	Copyright infringement
Garnier v. O'Connor-Ratcliff, 2021 U.S. Dist. LEXIS 7613 (S.D. Cal. Jan. 14, 2021)	Emoticon (but really	Thumb's up, smiley	Facebook post	No	Yes	Censorship
Glam & Glits Nail Design v. #notpolish, Inc., 2021 U.S. Dist. LEXIS 106445 (S.D. Cal. June 7,	Emoji	Heart	Social media com	No	No	Defamation
Guardianship of Keanu, 2021 Mass. App. LEXIS 88 (Mass. App. Ct. July 22, 2021)	Emoji	Heart, crying laughing face, smiley	Facebook Messer	No	Yes	Guardianship
Hamilton v. County of Madera, 2021 WL 5771669 (E.D. Cal. Dec. 6, 2021)	Emoji	Thumbs-up	Email	No	No	Property zoning
Haraj-Sai v. Brasky, 2021 Conn. Super. LEXIS 969 (Conn. Superior Ct. May 25, 2021)	Emoji and Emoticon	Gun, :), :)), unspecified	Text message	Yes (in part)	Yes	Harassment order
Hayes v. Express Scripts 1, 2021 U.S. Dist. LEXIS 22303 (E.D. Mo. Feb. 5, 2021)	Emoji	Middle finger, laughing	Facebook	No	Yes	Employment discrimination
I.F. v. City of Vallejo, 2021 U.S. Dist. LEXIS 28746 (E.D. Cal. Feb. 16, 2021)	Emoji	"100%"	Facebook comme	No	No	Discovery dispute
IMEX Leader Inc. v. Full Charge LLC, 2021 WL 3265017 (C.D. Cal. April 5, 2021)	Emoji	Unspecified	Eggs	No	No	Copyright infringement
In re Colchester, 2021 U.S. Dist. LEXIS 129494 (W.D. Wash. July 12, 2021)	Emoji	Unspecified	Unspecified	No	No	Custody

Emoji	Unspecified	Text message	No	No	Sex trafficking
Emoticon	Smiley	Email	Yes	No	Bank fraud
Emoticon	:)	Craigslist post	Yes	No	Sexual predation
Emoji	Thumbs-up, winky, crying	Text message	No	Yes	Employment discrimination
Emoji	Smiley with bullet hole in head	Watchmen graphi	No	No	Employment discrimination
Emoji	Unspecified	Twitter post	No	Yes	Defamation

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Emojis – Sales Contract

- 2023 Canadian opinion
- Two parties were negotiating a contract to buy/sell flax grain in 2021
- One party texted a photo of a contract to the other party with the message “Please confirm flax contract”
- The second party responded with a “thumbs up” emoji
- The second party did not deliver per the contract
- First party sued
- Second party argued that the “thumbs up” was that he had received the contract and would review it

Emojis – Sales Contract

- First party said only difference was that second party did not respond with “ok,” “yup,” or “looks good”
- The judge ruled the “thumbs up” was an agreement to the contract’s terms based on previous dealings over years of transactions
- “[T]his court cannot (nor should it) attempt to stem the tide of technology and common usage…”
- “The question is not what the parties subjectively had in mind, but rather whether their conduct was such that a reasonable person would conclude that they had intended to be bound”

Hearsay case law update

Fonseca v. State, No. 08-19-00227-CR, 2022 WL 2719027 (Tex. App—El Paso July 13, 2022, pet. ref'd) (not designated for publication)
Video without sound

- Assault case.
- Court entered into evidence a video introduced by the prosecution.
- The video was of the victim, but the sound was removed.
- Defendant complained the video was hearsay.

Fonseca v. State, No. 08-19-00227-CR, 2022 WL 2719027 (Tex. App—El Paso July 13, 2022, pet. ref'd) (not designated for publication)
video without sound

- ADMISSIBLE
- COA held that the video, with the sound removed, was not a statement, and thus not hearsay.
- Hearsay is either (1) an oral or written verbal expression, or (2) nonverbal conduct of a person, if intended to be a substitute for verbal expression.
- The audio from the video was removed, and thus was only used to show the demeanor of the victim, and not a substitute for a statement.

Auld v. State, 652 S.W.3d 95 (Tex. App.—Texarkana 2022, no pet.) Hearsay (child's statements)

- Indecency with a child case.
- The child's friend was allowed to testify about some things the child told her about the defendant's sexual abuse.
- Defendant complained the testimony was hearsay.
- The State argued that the testimony was an excited utterance by the child.

Auld v. State, 652 S.W.3d 95 (Tex. App.—Texarkana 2022, no pet.) HEARSAY (child's statements)

- INADMISSABLE
- The COA found that testimony was hearsay, but harmless error.
- The record did not show that the victim was still dominated by emotions, excitement, fear, or pain of the event when she made the statement.

White v. State, No. 01-20-00238-CR, 2022 WL 2674214 (Tex. App.—Houston [1st Dist.] July 12, 2022, no pet.) (mem. op.) excited utterance

- Murder case.
- Trial Court admitted a videotaped statement of a witness, recorded by an officer's body camera.
- Court called the video an "excited utterance video, body worn camera".
- Defendant complained the testimony was hearsay because the statements by the witness were in answer to questions.

White v. State, No. 01-20-00238-CR, 2022 WL 2674214 (Tex. App.—Houston [1st Dist.] July 12, 2022, no pet.) (mem. op.) excited utterance

- ADMISSIBLE
- COA agreed with the trial court—excited utterance exception applies.
- The witness was answering the officer's questions, but he was swaying, sweating, couldn't stand still, his voice was breaking.
- COA held that his statements were made when he was still under the stress and excitement of the situation, and they qualified as an excited utterance.

Non-hearsay emails
[work related emails]
U.S. v. Safavian, 435 F. Supp. 2d 36 (D.D.C. 2006)

Non-hearsay
Emails/Work
U.S. v. Safavian
435 F. Supp. 2d 36
(D.D.C. 2006)

Certain emails can constitute the “work” Abramoff did, without regard to the truth of their contents. It is the fact of the discussions, rather than the content (or the truth or accuracy thereof) that is being offered.

Non-hearsay Emails/Inquiries

U.S. v. Safavian
435 F. Supp. 2d 36 (D.D.C. 2006)

An inquiry contained in an email is not an assertion of the truth and cannot be a hearsay statement.

- "Do you know if that is doable, and how?"

Non-hearsay Emails/ Imperative Statement

U.S. v. Safavian
435 F. Supp. 2d 36 (D.D.C. 2006)

Emails containing an imperative statement giving instructions, how to do something, are not offered to prove the truth of the matter asserted.

- "Let's do a meal so we can start getting business ideas moving."

Non-hearsay
Emails/
Request for
Assistance
U.S. v. Safavian
435 F. Supp. 2d 36
(D.D.C. 2006)

Emails containing explicit or implicit requests for assistance.

- Can you help with this project?

Non-hearsay Emails/ soliciting opinion

U.S. v. Safavian
435 F. Supp. 2d 36 (D.D.C. 2006)

Emails soliciting an opinion are not hearsay.

- What do you think of this?

Not hearsay
Adoptive Admission
U.S. v. Safavian, 435 F. Supp. 2d 36 (D.D.C. 2006)

- Where it is demonstrated that the contents of the emails indicate that sender (party) manifested an adoption or belief in the truth of the statements of other people as he forwarded their emails – these emails are adoptive admissions.
- FRE 801(d)(2)(B).

- Relevant TRE 401-402
- Probative Value vs. Unfair Prejudice TRE 403
- Not Hearsay TRE 801-805
- Authentic TRE 901-902
- Original/Duplicate TRE 1001

Examples of AI Photos
https://www.pocket-lint.com/apps/news/161649-incredible-dall-e-2-images/

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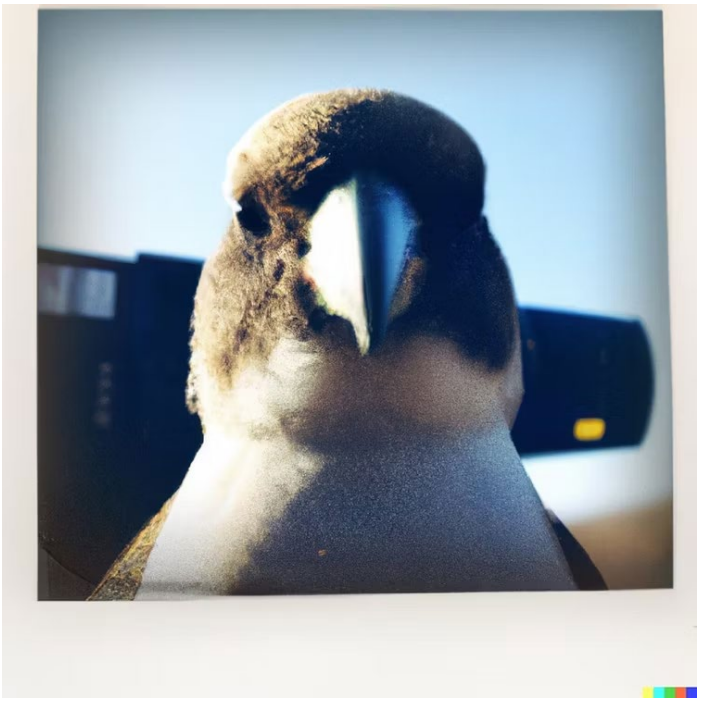
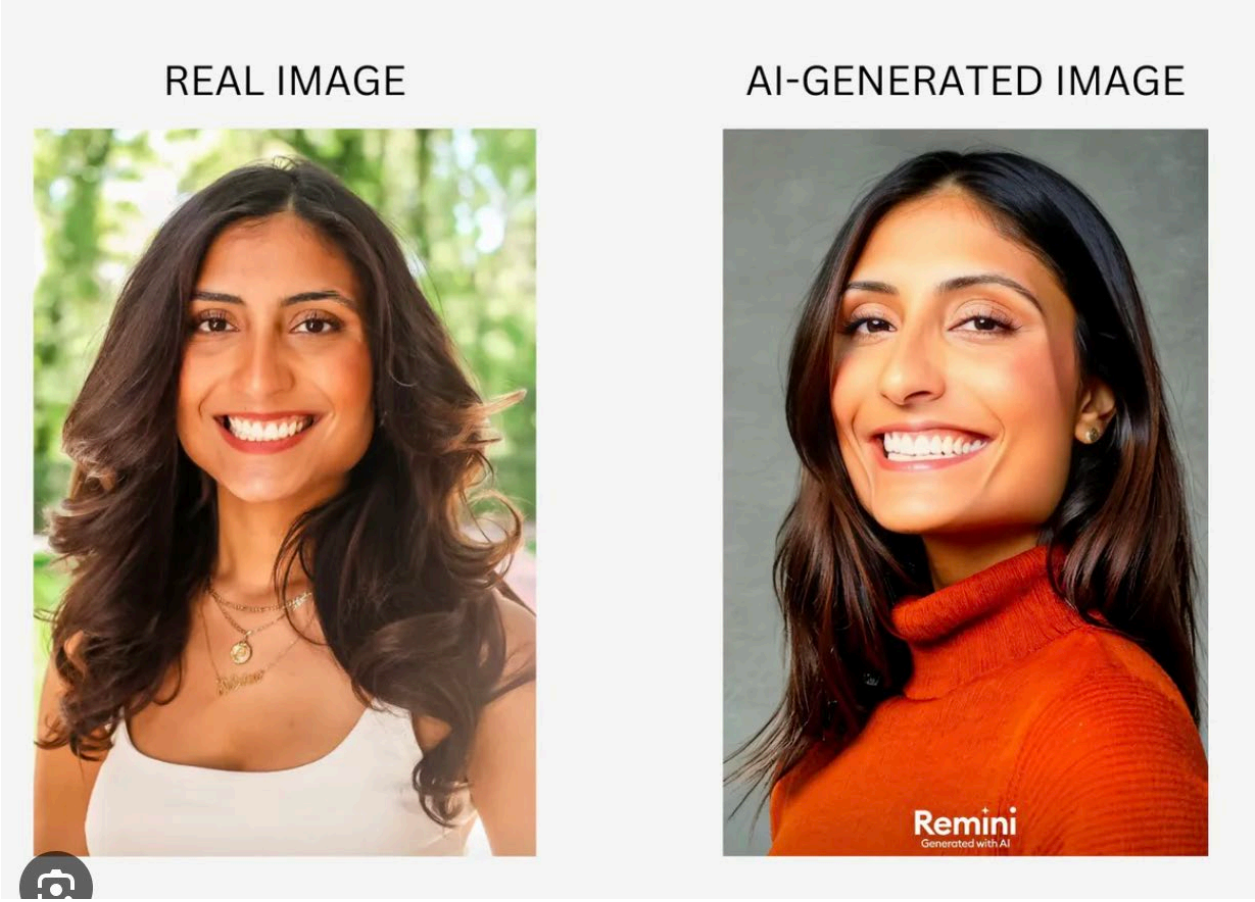
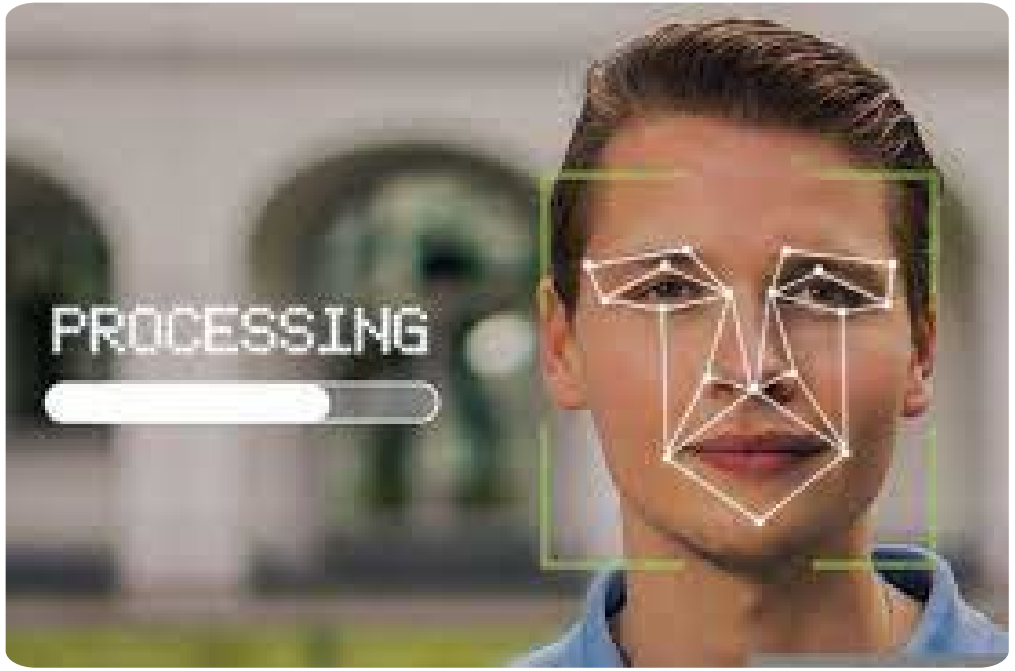


Examples of AI Photos
https://www.pocket-lint.com/apps/news/161649-incredible-dall-e-2-images/

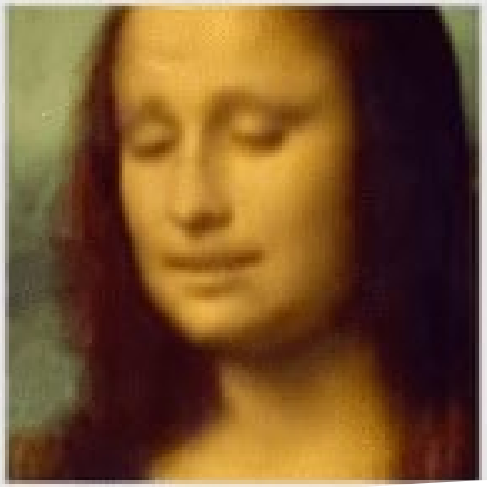


Remini—AI generated headshots

AI photos and Videos

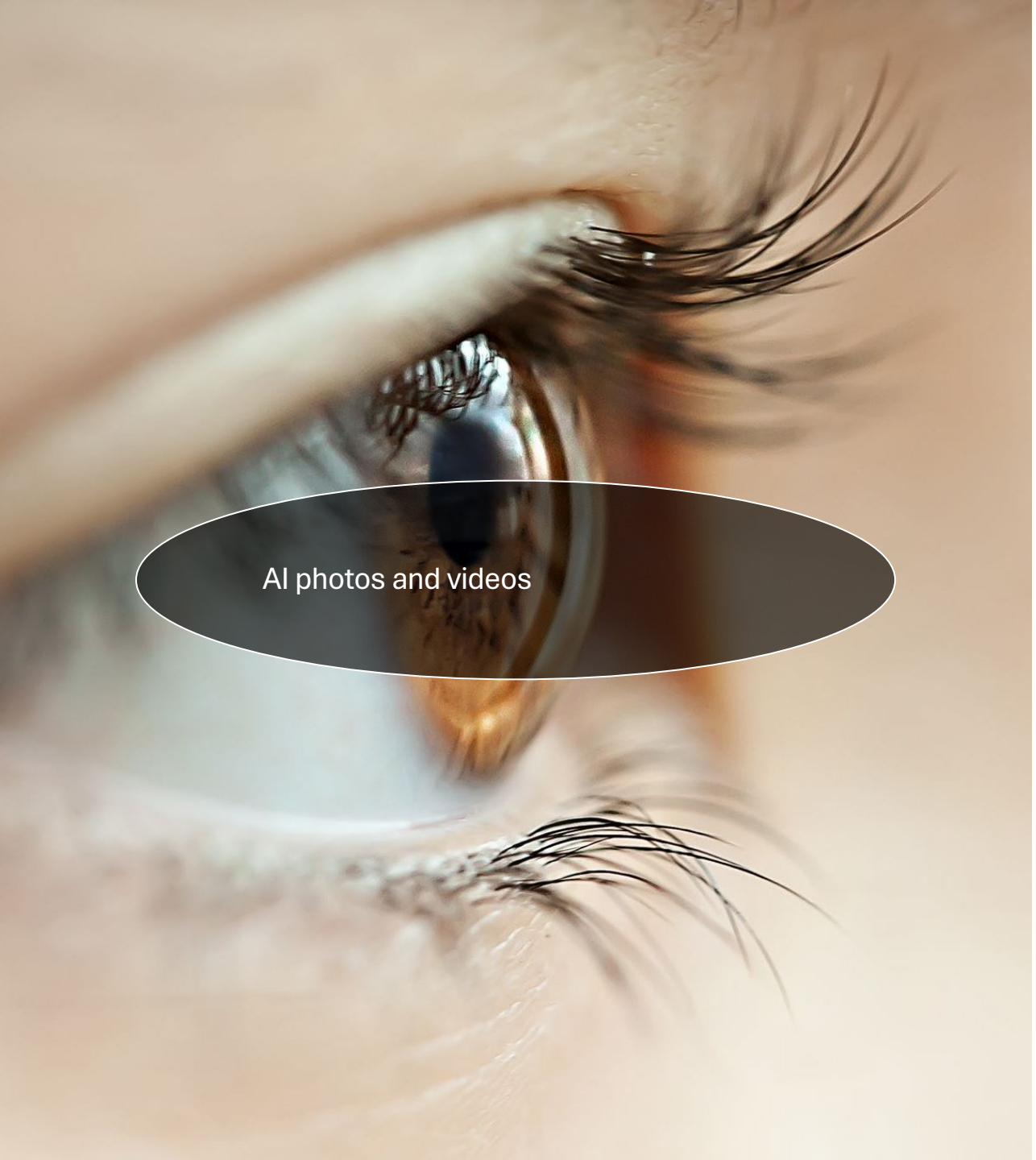


- Artificial intelligence can create realistic photos and videos (deepfakes)
- Some computer programs can help to distinguish what is real and what is not – but they are not 100%
  - Hugging Face
  - AI Text Classifier
  - GPTZero
- Deepfake videos rely on front-facing views of a person, which detects landmarks to recreate those features




AI photos and videos

- When the person turns to the side, showing a profile view, only half the landmarks appear, so the AI can no longer properly render those facial features
- Similarly, coughing, sneezing, or other jerky movements/sound do not properly match up in videos
- If a photo or video cannot be shown to be fake, i.e. not what the proponent claims it to be, then it may be authenticated and admitted, but it will come down to the weight of the evidence and whether you can show it should not be trusted.



- Other ways to determine what is real:
- Unnatural eye movements – blinking
- Mismatches in color and lighting
- Different audio qualities
- Strange body shapes or movements – hair, skin
- Artificial facial movements
- Unnatural positioning of facial features – teeth
- Awkward posture or physique
- Nonsense words
- Shepardize – *Mata v. Avianca, Inc.*, 22-CV-1461 (PKC), 2023 WL 4114965 (S.D.N.Y. June 22, 2023)

intel.

FakeCatcher

the world's first real-time deepfake detector

Pioneered by Intel, the FakeCatcher deepfake detector analyzes "blood flow" in video pixels to determine a video's authenticity in milliseconds.

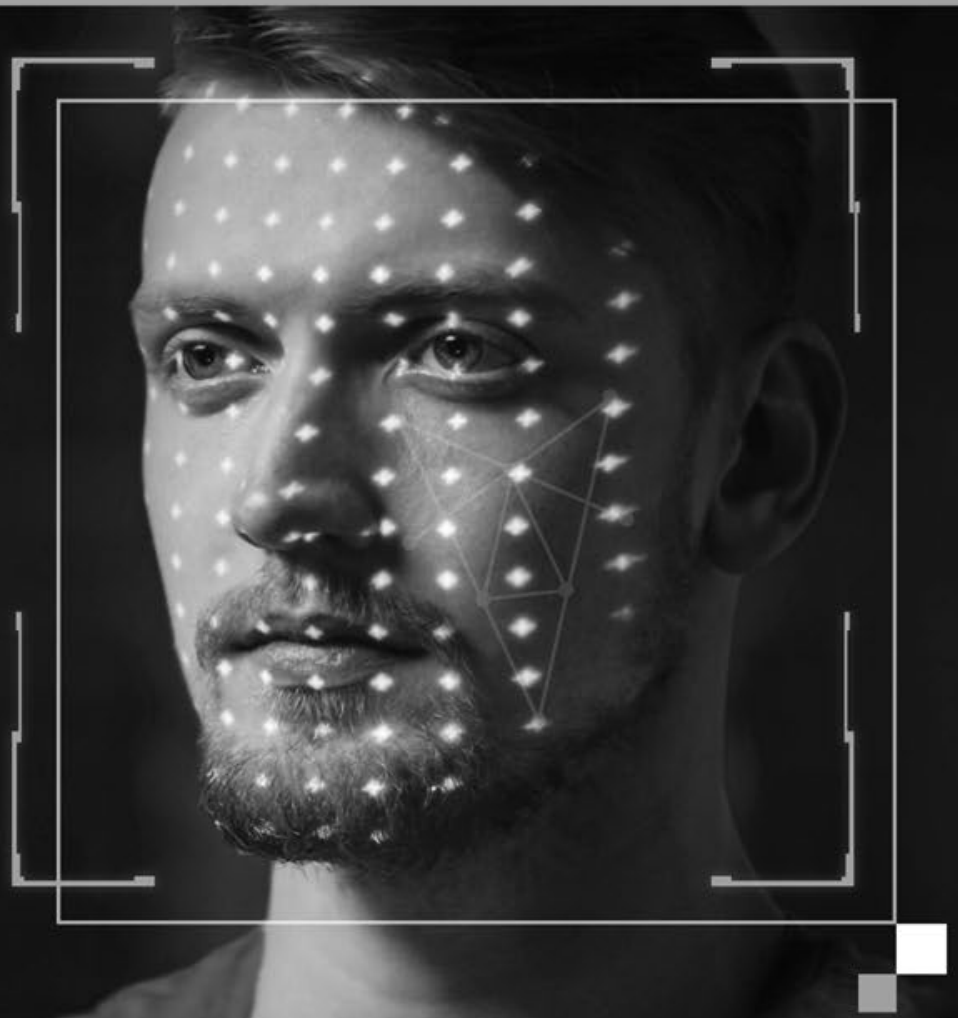
What is a deepfake?

Deepfakes are synthetic videos, images, or audio clips where the actor or the action of the actor is not real.

FakeCatcher can run up to

72 concurrent real-time deepfake detection streams on 3rd Gen Intel® Xeon® Scalable processors

96% FakeCatcher's accuracy for deepfake detection



FakeCatcher is the first deepfake detection algorithm that uses heart rates.

How could FakeCatcher be used?

Content Creation Tools
Integrated detection in editing software used by content creators and broadcasters.

Social Media
Detection as part of a screening process on user-generated content.

Media & Broadcasters
Detection in news video footage, particularly background (b-roll) sourced from third parties.

AI for Social Good
Democratized deepfake detection via a common platform, enabling any person or entity to confirm the authenticity of a video.

AI Photo predicate

- Has this image been modified, changed, or created?
  - Yes.
- Was this created by uploading images into an app?
  - Yes.
- The images you uploaded, are you familiar with the images and are they original images?
  - Yes.

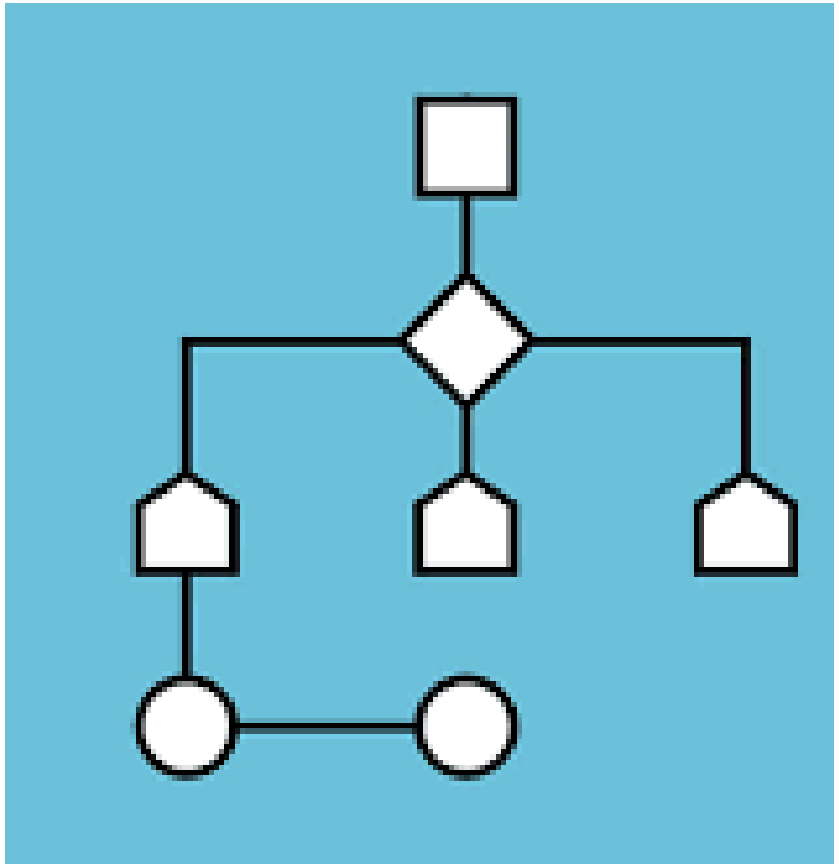
AI Photo predicate

- Did the app create these images based upon the photos you uploaded?
  - Yes.
- Are these photos a fair and accurate representation of the images that were created by the app?
  - Yes.

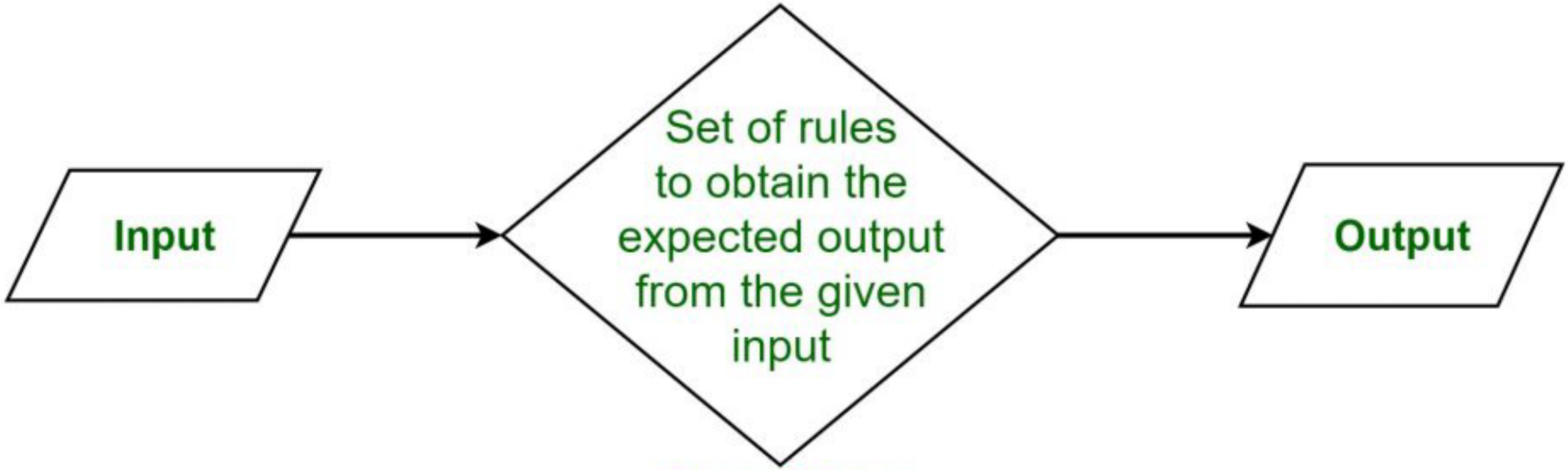
- While AI is often conceived of as a computer matching or exceeding a human's performance, in truth **it is just software**.
- Historically, traditional software is admissible if it passes the normal requirements of admissibility.
- **It's the difference between historical software and AI that creates more unique admissibility considerations.**

Algorithms are a Set of Rules

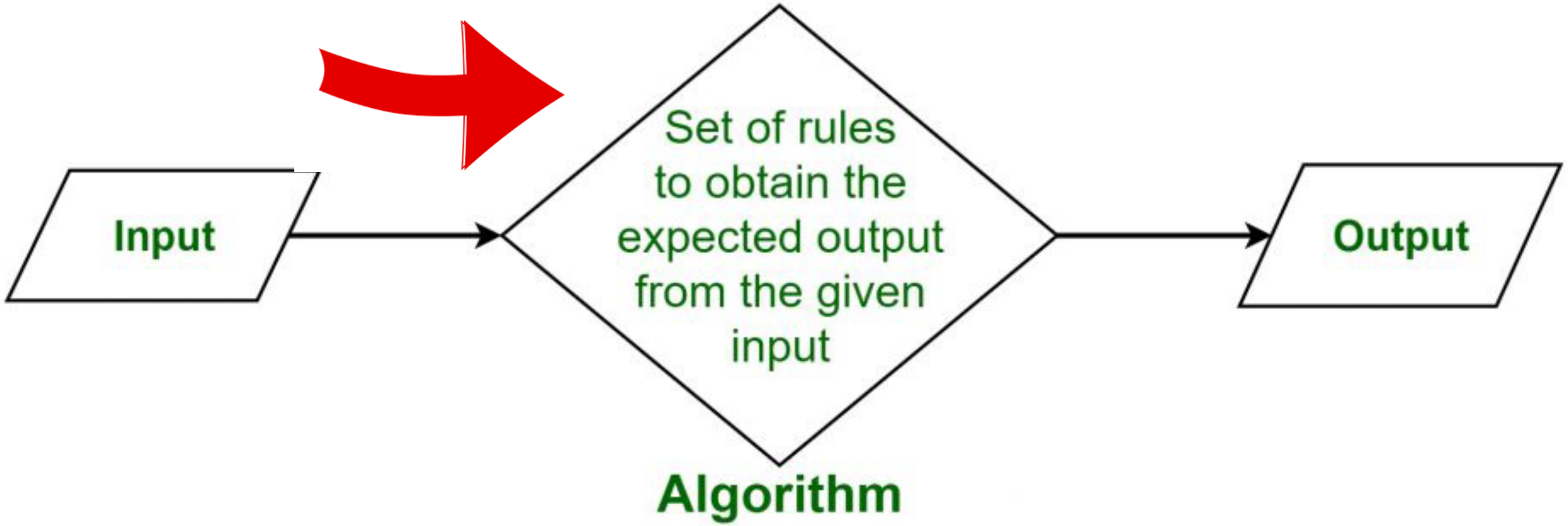
- Both traditional software and AI contain algorithms.
- Algorithms are procedures employed for solving a problem or performing a computation.
- Algorithms act as a step-by-step list of instructions specifying specific actions to be performed (using software or hardware routines).



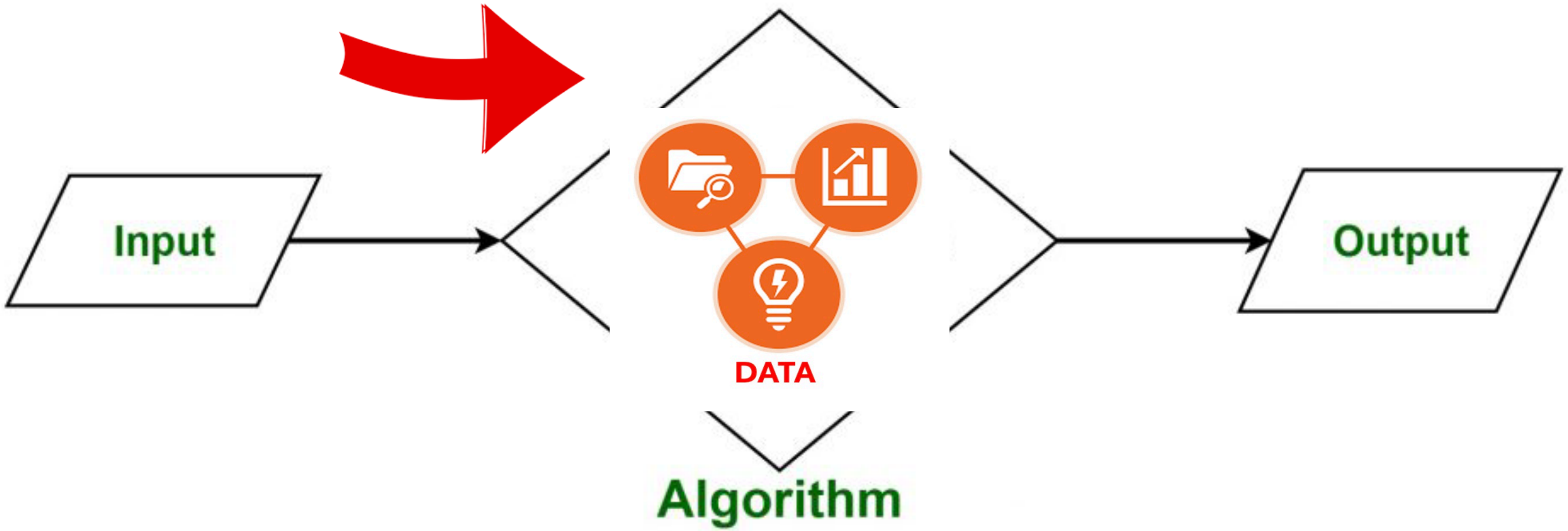
What is Algorithm?

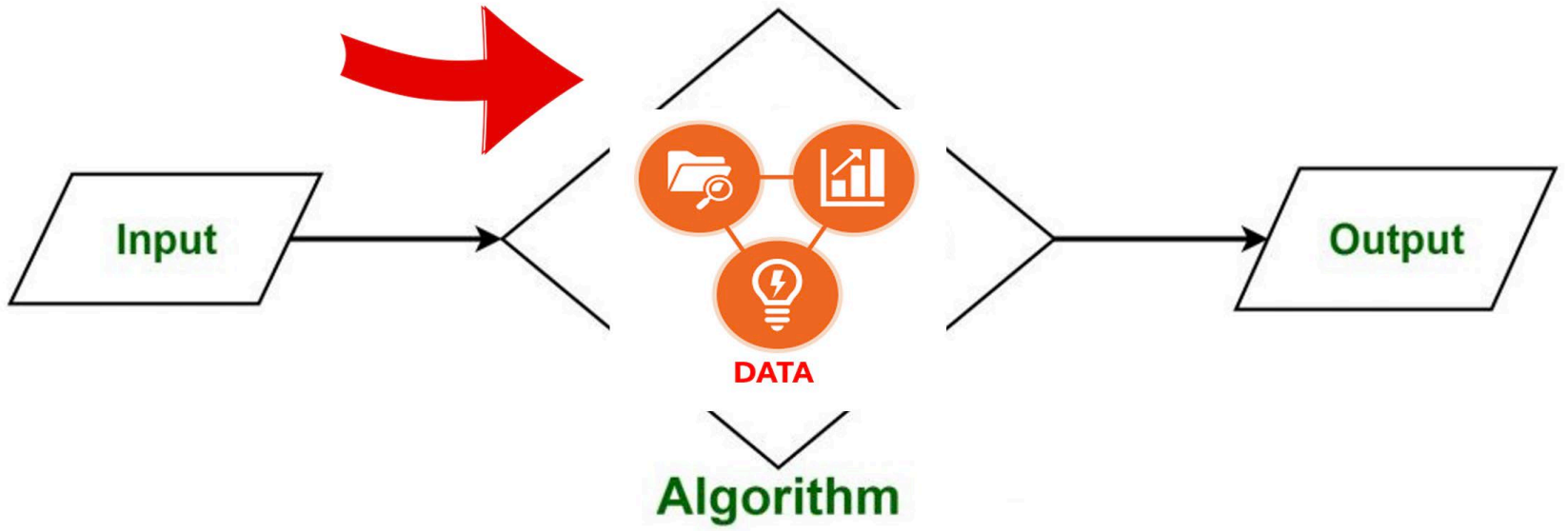


What is Algorithm?



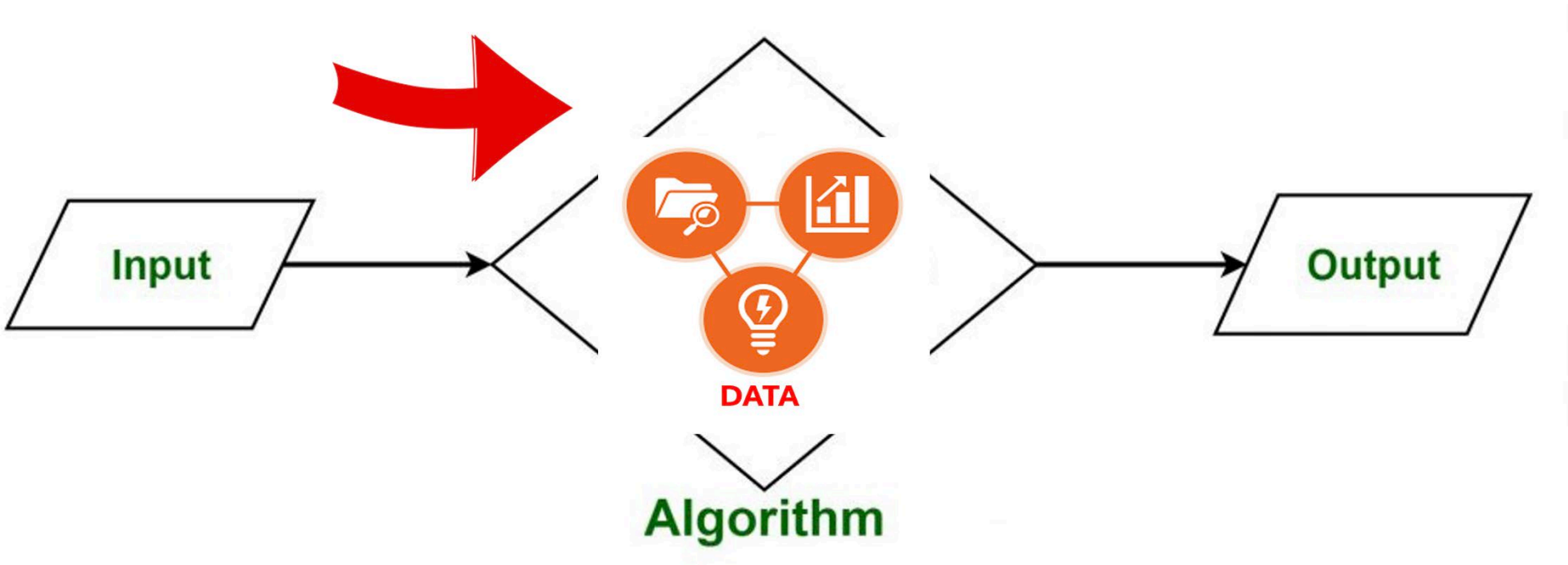
What is Algorithm?





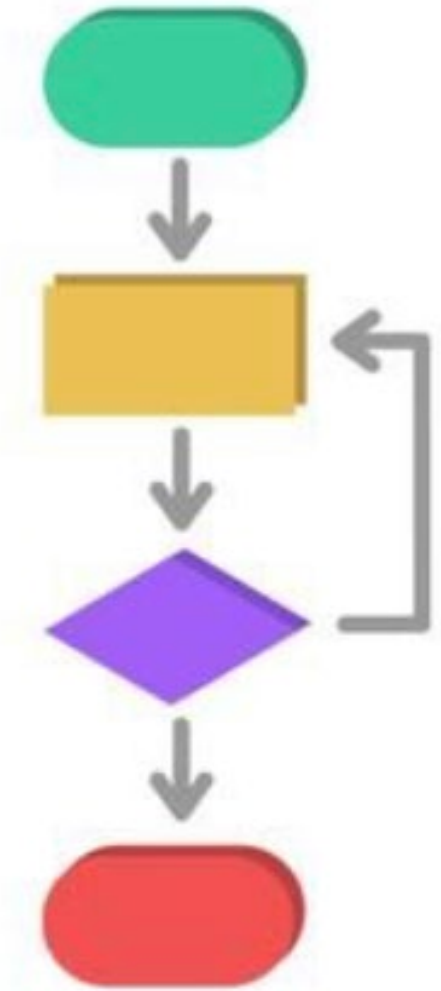
What is Algorithm Data?

Machine learning algorithms learn to find inter-dependencies and patterns amongst data sets and apply those learnings to any new data it is presented with. It follows that the higher the volume and quality of the data (being uniform, diverse, comprehensive and relevant), the more accurate the algorithms.



Types of Data

- Data is used throughout all stages of the AI development process and can broadly be categorized into the following:
- **Training data** - data used to train the AI model
- **Test data** - data used to test the model and compare to other models
- **Validation data** - data used to validate the final AI model



- The ***difference*** with AI and traditional algorithms is that
  - ***an AI algorithm can change its outputs based on new input (data)***
  - a traditional algorithm will always generate the same output for a given input.

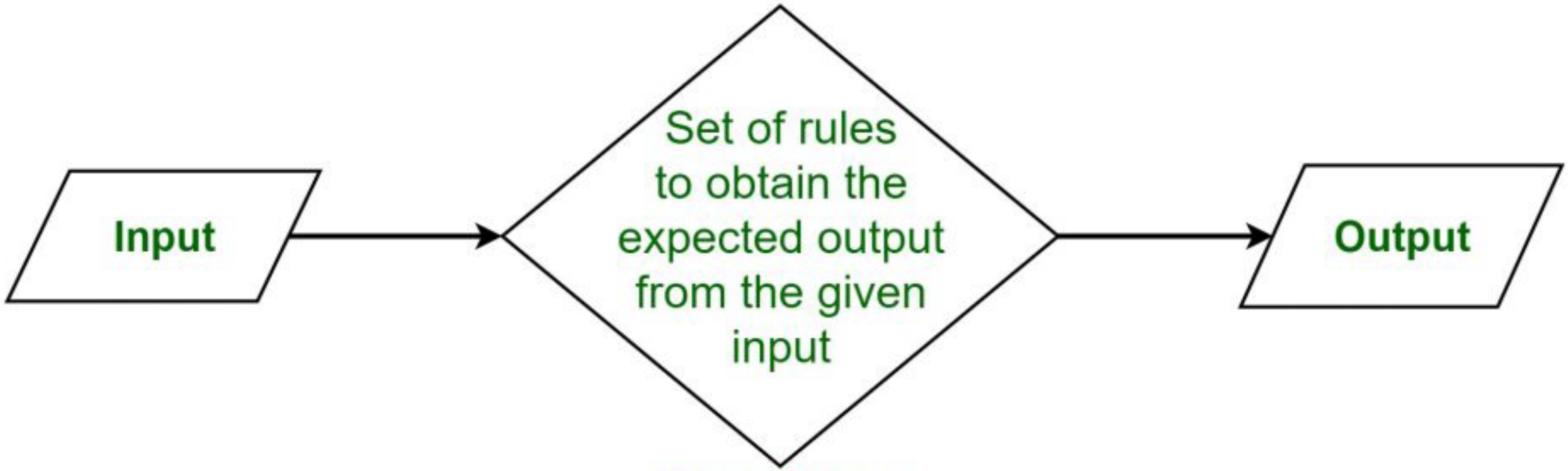
AI May Learn Incorrect Patterns

- Among the most serious concerns related to AI generated algorithms and their outputs is the lack of proper data evaluation.
- AI are trained on data, and they learn to make algorithms which in turn make predictions by finding patterns in the data.
- However, if the training data is incomplete or biased, the AI may learn incorrect patterns.
- This can lead to the AI model making incorrect predictions, or “hallucinating”.

AI hallucinations
are incorrect or misleading results that AI models generate (by their own internal processing). These errors can be caused by a variety of factors, including insufficient training data, incorrect assumptions made by the model, or biases in the data used to train the model.

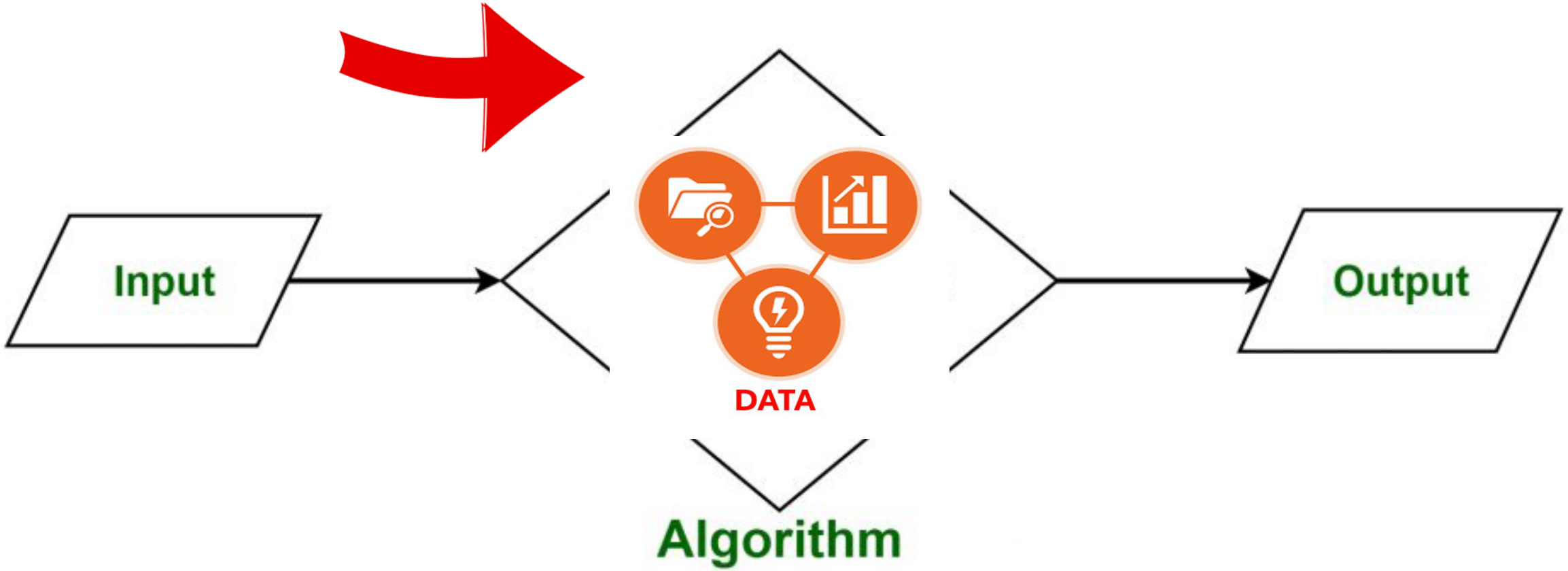
aviation case

What is Algorithm?

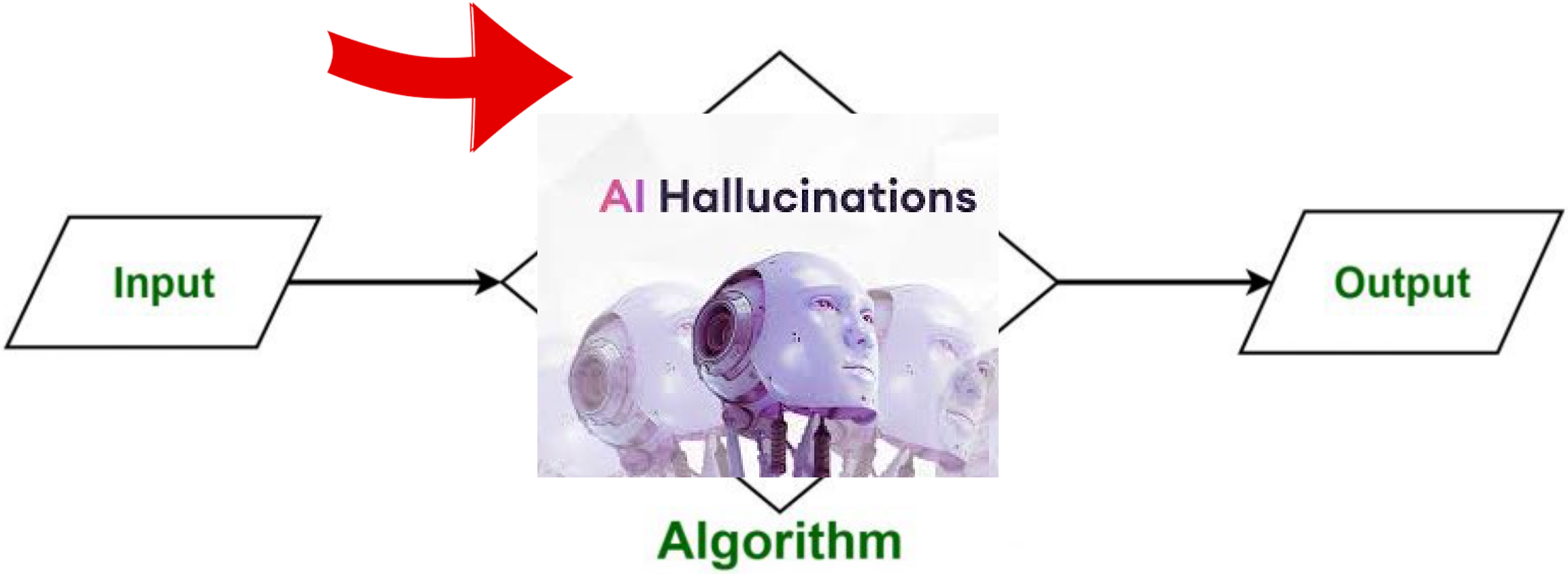


Algorithm

What is Algorithm?



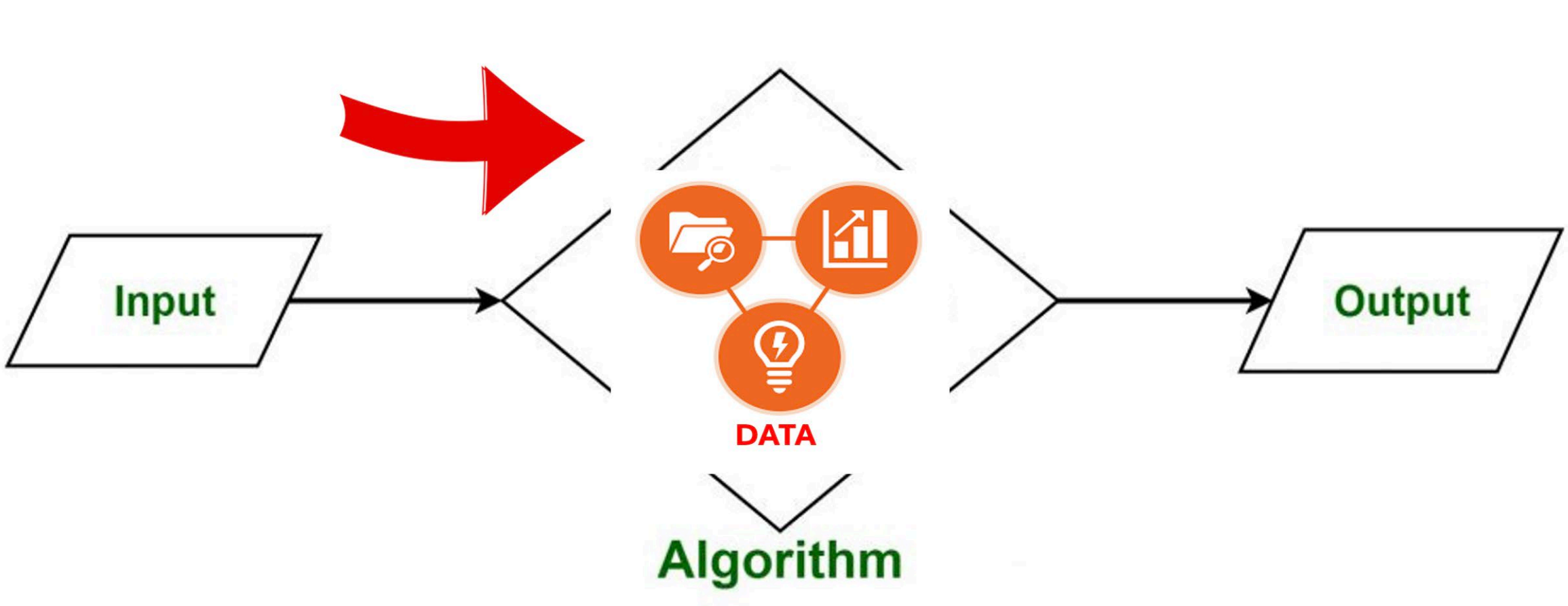
What is Algorithm?



Malfunctioning Algorithms due to AI Spoofing

- Currently, AI which relies on Internet data for learning may develop malfunctioning algorithms due to spoofing.
- Spoofing is the act of disguising the source of an Internet communication from an unknown source as being from a known, trusted source.
- Spoofing may first lead to erroneous AI machine learning, subsequently to faulty algorithms and finally untrustworthy AI evidence.

AI **Spoofing is the act of disguising the source of an Internet communication from an unknown source as being from a known, trusted source.**

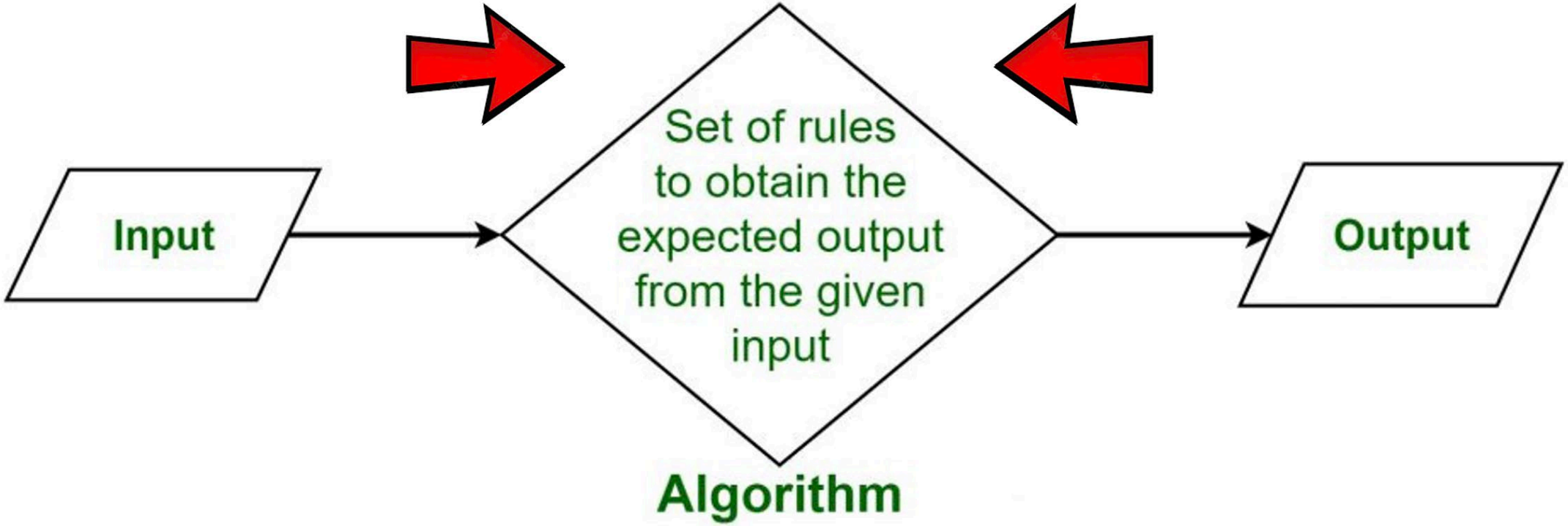


AI Spoofing is the act of disguising the source of an Internet communication from an unknown source as being from a known, trusted source.

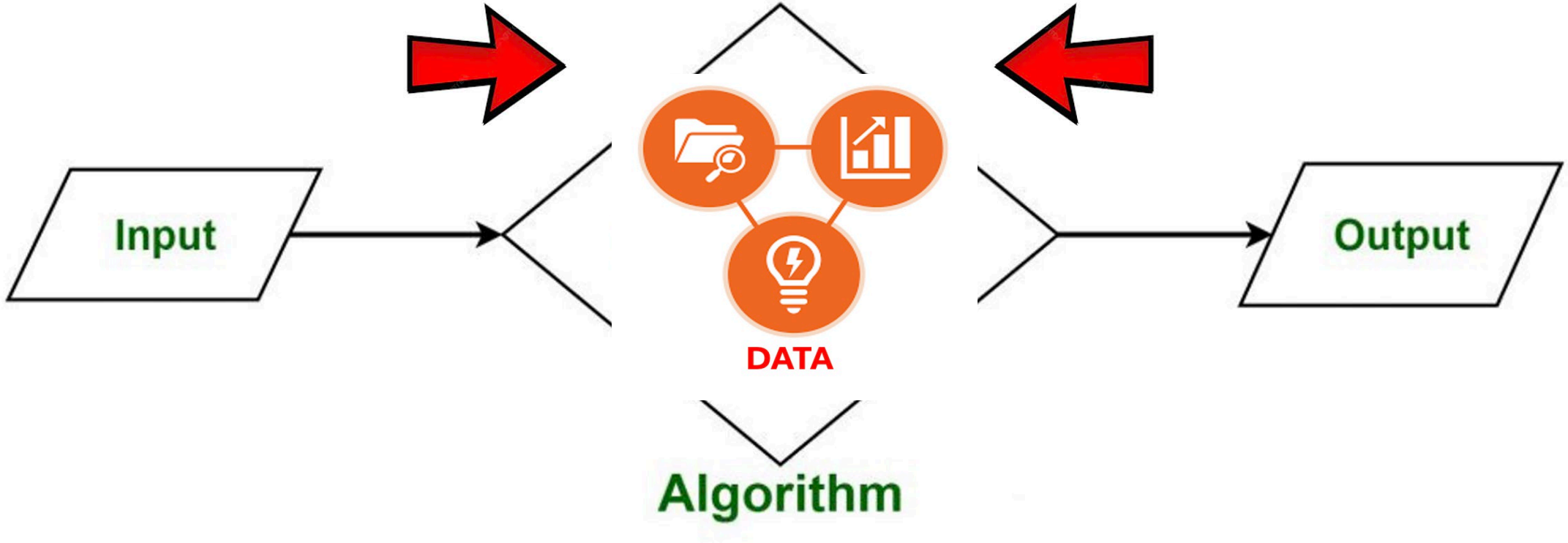
Adversarial AI Use
[AI's corrupting other AI's]

- It is increasingly difficult to distinguish human generated Internet content from AI generated Internet content.
- Consequently, AI's have been used to corrupt other AI's.
- This practice known as **Adversarial AI** uses AI to fool machine-learning models by supplying deceptive input(s).
- Adversarial AI can be used to modify the output of most AI technology.

Adversarial AI Use
[AI's corrupting other AI's]



Adversarial AI Use
[AI's corrupting other AI's]



Adversarial AI Use
[AI's corrupting other AI's]

Computer Record vs. Computer Generated Evidence

- Like traditional software, AI may produce two types of evidence, computer records and computer-generated evidence.
- Computer records are generally print outs compiled by a computer in a prescribed fashion from data.
- Computer records do not require analysis or assumption by the programming, whereas computer generated evidence does.
- Computer generated evidence is computer output ***based on data and assumptions contained in a program***.

Computer Records vs. Computer Generated Exhibits

- The admissibility of both computer records and computer-generated exhibits are the same as they are for traditional paper business records and traditional demonstrations, respectively.
- The fact that a computer is involved does not change the admissibility standards or procedures.

- **Relevant TRE 401-402**
- **Probative Value vs. Unfair Prejudice TRE 403**
- **Not Hearsay TRE 801-805**
- **Authentic TRE 901-902**
- **Original/Duplicate TRE 1001**

-Computer Generated Evidence- Demonstrative vs. Experimental Evidence

- Two types of computer-generated evidence exist.
- Demonstrative evidence is normally static information such as a computer assisted design of a pipe after it is broken open.
- Experimental evidence is typically dynamic information, such as the output of a computer model resulting in a simulation of a pipe in the process of breaking.

Static Depictions vs Dynamic Evidence

- Static depictions used in litigation are nearly always subject to the same admissibility rule, without regard to the role of a computer in their creation.
- The standard is simply does the representation accurately describe what it proports to illustrate. Such a representation may not require an expert witness.

- Dynamic evidence (such as simulations) normally requires an expert to attest that the simulation for example, is derived from principles and procedures which generally accepted scientific standards.
- Additionally, admissibility requires some amount of experimental testing to confirm the simulation accords with reality.

No Special AI Evidentiary Analysis (Yet)

- While AI employs technology which may exceed human cognitive ability, the rules of evidence have not yet disclosed a separate evaluation standard.
- Evidence gleaned from AI should be judged by the standard of direct witness testimony, expert witness testimony, or measurement using established technology.
- In sum, AI evidence is subject to the same rules of evidence as non-AI sources.

Authentication
TRE 901

- TRE 901(a) requires AI evidence to be authenticated prior to consideration by the finder of fact.
- TRE 901(b) discloses a variety of ways in which a party can achieve this objective. No special exception is made for AI evidence.

AI Authentication
TRE 901 & 602

A witness with knowledge of the AI (underlying data/algorithms) needs to provide admissible evidence [testimony]:

1) that the AI is what it claims to be (in accordance with TRE 901(a));
2) (in accordance with TRE 901(b)) describe the process or system;
3) (in accordance TRE 901(b)) show that the process or system described produces an accurate result.

Since AI programing is not common knowledge, it is expected that TRE 602 will apply requiring the authenticating witness to have personal knowledge of how the AI technology functions or be established as an expert.

AI Authentication
TRE 901 & 602

- AI usually requires both machine learning and generative elements.
- It is therefore unlikely, due to the multiple skill/knowledge sets required, that a single witness will be sufficient for admissibility purposes.
- The AI machine (that is AI in its broadest sense) normally requires one set of skills to teach a computer to understand certain data and perform certain tasks.
- Generative AI (the kind of AI you can use to create new text, visual, and audio content) normally requires one set of skills to build on that foundation and adds new capabilities that attempt to mimic human intelligence, creativity and autonomy.

Transparency and Explainability

- In considering admissibility, courts should require transparency and explainability:
- in terms of how the AI system works
- how the AI system reached its decision
- How the AI system reached its classification
- How the AI system reached its prediction/conclusion

Explanations Must Reveal Inner Workings

AI evidence admissibility must provide explanations that reveal their inner workings and how the AI amends its algorithms such that AI algorithms are explainable.

Potential Relevance Analysis
TRE 401-403

- TRE 401 indicates that evidence is relevant if (a) it has any tendency to make a fact more or less probable than it would be without the evidence; and (b) the fact is of consequence in determining the action.
- TRE 401 is normally read in conjunction with TRE 402 (general admissibility of relevant evidence) and TRE 403 (excluding relevant evidence for prejudice, confusion, or other reason)
- Rule 403 limits Rule 402 by excluding relevant evidence if its probative value is outweighed by prejudice, confusion, or waste of time.

Potential TRE 403 Applicability to AI Evidence

- TRE 403 has two possibly important features related to AI.
- TRE 403 identifies the trial judge as the decision-maker (gatekeeper).
- TRE 403 could be translated to state that a judge cannot make the determinations unless the party offering the AI evidence is prepared to disclose underlying information. This would include the training data, as wells as the development and operation of the AI system sufficient to allow the opposing party to challenge it.

Potential Direct/Authenticating AI
Data

- Q. What data was used to train the AI system?
- Q. How was data obtained?
- Q. Why was that data chosen?
- Q. Where did that data come from?
- Q. What features and weights were chosen for that data?
- Q. Why were those features and weights chosen?

Potential Direct/Authenticating AI [Algorithms]

- Q. Who programmed the underlying algorithm?
- Q. How was that program developed?
- Q. Did the data collected affect how the AI system was programmed? How?
- Q. How does the program uses the data collected?
- Q. How does one use the AI system?
- Q. Does the AI system produce valid results?
- Q. What did you do to determine it produces valid results?

Potential Direct/Authenticating AI [Algorithms]

- Q. Does the AI system produce reliable results?
- Q. What did you do to determine it produces reliable results?
- Q. What are the chances of error for the results produced?
- Q. Do you believe that the benefits of the results produced by the AI system outweigh the possible errors it could produce? Why?
- Q. Do you believe that the possible errors the AI system could produce would mislead anyone? Why?

AI Resilience
[Admissibility Analysis]

Another challenge for AI evidence admissibility is resilience.

AI Resilience is the degree to which an AI resists both intentional and unintentional efforts to cause machine-learning models to fail.

AI's Obvious Admissibility Issues

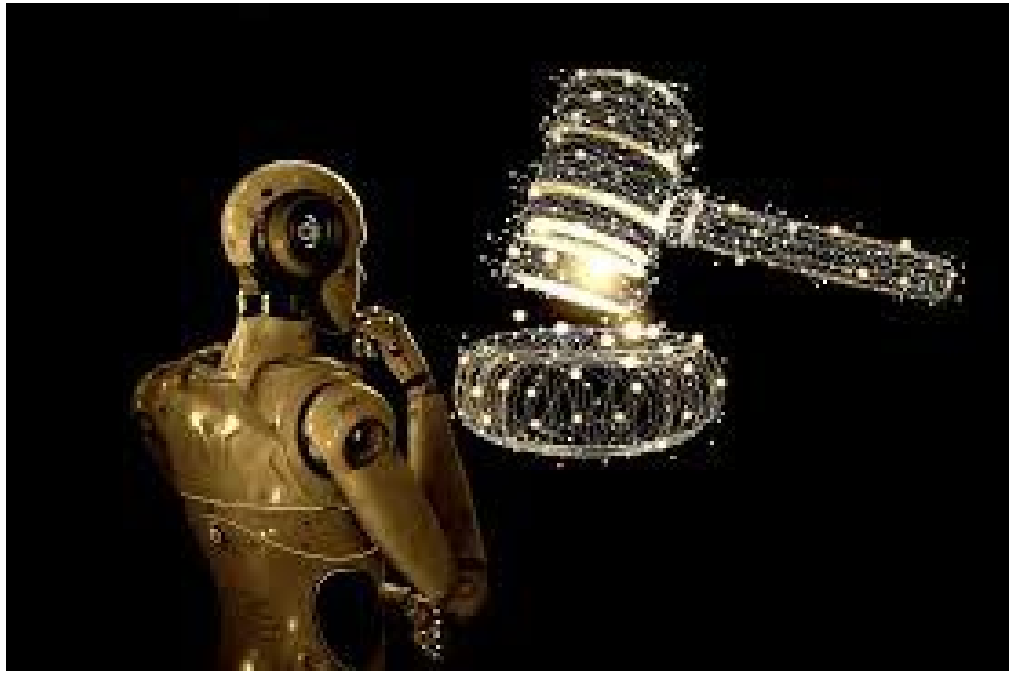
- Admissibility of AI evidence is likely to face objections dues to the **lack of rigorous testing** because the AI algorithms that can have a significant impact on legal rights.

- Even when AI algorithm testing is performed, it is **rarely independent, peer-reviewed, or sufficiently transparent to be properly assessed** by those competent to do so.

- the standard requires the admissibility of computer-based evidence, such as AI evidence to be based on scientific methods that are sufficiently established and accepted. **Since there are no standards for AI algorithms testing generally nor AI product testing specifically, it will be difficult to have an expert opinion that the AI evidence is admissible because it is "generally accepted" as reliable in the relevant scientific community.**

Information Underlying the AI

- AI evidence for either civil or criminal trials, should not be permitted if the information underlying the AI is not available.
- Such information must be sufficient for the party against whom that evidence will be offered to determine the validity (including the accuracy of the Aid) and the reliability (i.e., the AI algorithm correctly measures what it purports to measure).



Underlying Non-AI Information

- As in the case of non-AI information, the trial judge should give the proponent of the AI evidence a choice.
- The proponent may either disclose the underlying evidence (perhaps under an appropriate protective order) or otherwise demonstrate its validity and reliability.
- If the proponent is unwilling to do so, the AI evidence should not be admissible.

AI Video Enhanced Evidence Excluded Washington State

- Newsweek/April 2024
- "…the judge stated that although the software used for the enhancement was popular in the commercial market, it had not been peer reviewed nor independently tested for reliability, and the algorithms underlying it were 'opaque and proprietary and untested by independent experts..'"
- What makes this case unique is that an AI analysis was performed.

Mandatory Certification Regarding Generative Artificial Intelligence

All attorneys and pro se litigants appearing before the Court must, together with their notice of appearance, file on the docket a certificate attesting either that no portion of any filing will be drafted by generative artificial intelligence (such as ChatGPT or Harvey.AI) or that any language drafted by generative artificial intelligence will be checked for accuracy, using print reporters or traditional legal databases, by a human being These platforms are incredibly powerful and have many uses in the law: form divorces, discovery requests, suggested errors in documents, anticipated questions at oral argument. But legal briefing is not one of them. Here's why. These platforms in their current states are prone to hallucinations and bias. On hallucinations, they make stuff up—even quotes and citations. Another issue is reliability or bias. While attorneys swear an oath to set aside their personal prejudices, biases, and beliefs to faithfully uphold the law and represent their clients, generative artificial intelligence is the product of programming devised by humans who did not have to swear such an oath. As such, these systems hold no allegiance to any client, the rule of law, or the laws and Constitution of the United States (or, as addressed above, the truth). Unbound by any sense of duty, honor, or justice, such programs act according to computer code rather than conviction, based on programming rather than principle. Any party believing a platform has the requisite accuracy and reliability for legal briefing may move for leave and explain why. Accordingly, the Court will strike any filing from a party who fails to file a certificate on the docket attesting that they have read the Court's judge-specific requirements and understand that they will be held responsible under Rule 11 for the contents of any filing that they sign and submit to the Court, regardless of whether generative artificial intelligence drafted any portion of that filing. **A template Certificate Regarding Judge-Specific Requirements is provided here.**

standing order regarding evidence

Sherry Shipman, 16th District Court
Steve Burgess, 158th District Court
Brody Shanklin, 211th District Court
Bruce McFarling, 362nd District Court
Margaret Barnes, 367th District Court
Doug Robison, 393rd District Court

Jim Johnson, 431st District Court
Tiffany Haertling, 442nd District Court
Lee Ann Breading, 462nd District Court
Derbha Jones, 467th District Court
Crystal Levonius, 481st District Court

AT 1:29 O'CLOCK P M
JUL 26 2022
DISTRICT CLERK
Denton County, Texas
BY _____ DEPUTY

STANDING ORDER REGARDING EVIDENCE

When introducing evidence, the Court orders that the sponsoring party of the evidence shall ensure it is in a format that may be uploaded and accepted by the appropriate court of appeals and their guidelines.

Text Documents. Each computer file of a text document must be prepared in text-searchable Portable Document Format (PDF), compatible with the latest version of Adobe Reader. The computer file must not be password-protected, encrypted, or protected by rights management. Because scanning creates larger file sizes with images of lesser quality, scanning must be avoided when possible. To the extent possible, each text document must be converted directly into a PDF file using Adobe Acrobat, the word processing program's PDF conversion utility, or another software program. Exhibits, however, may be scanned if necessary. Any scanned materials must be made searchable using optical-character-recognition software, such as Adobe Acrobat.

Scanned Documents. Images of documents must be included within the computer file as images scanned in black and white with a resolution of 300 dots per inch (dpi).

standing order regarding evidence

Photographs. Photographic images other than documents (e.g., photos of physical exhibits) must be included within the computer file as images with a resolution of not less than 2,048 x 1,536 pixels (approximately 3 megapixels). Higher resolutions are not encouraged. If a full color rendition is necessary, color depth should be between 12-bit and 18-bit. Otherwise, grayscale images are encouraged. Photographs may be captured directly with a digital camera or scanned from a photographic print.

Separator Pages. If an exhibit number is not on the exhibit image, there must be a page preceding the image to show the exhibit number.

Audio/Video Files. Audio files must not exceed 100 MB. Video files must not exceed 2 GB. Data compression is encouraged, though the submitter must assure that the video and audio content have sufficient quality. The files should not be password-protected, encrypted, or protected by rights management. If the recording is too long to fit in one file, it may be broken into multiple files. An audio/video recording must be included in the record in a format supported by VLC media player (VideoLAN Organization) or Windows media player (Microsoft). JCIT Technology Standards §3.2. If a video file is not supported by at least one of the media players listed above, the file **must be converted** to another format supported by at least one media player listed. Only segments offered as an exhibit can be on the audio or video media. (i.e., a DVD of jail phone calls with 50 calls, if only certain calls are being offered, copy only those calls onto a separate disk and offer that disk as an exhibit, not all 50 calls). If at any time in the future the case is on appeal and the court of appeals cannot open the exhibit that was offered, the sponsoring party that offered the exhibit will be responsible to provide the court reporter with the exhibit that is in the acceptable format.

Don’t forget the messages!

Game Messaging


menu
games
start
See what's new!
1
Your Move
Adam Y.
'PLAY' - 5 days ago
Whitney T.
'DUNK' - 2 days ago
Spencer H.
'FLYER' - 7 hours ago
Facebook
See who's playing!
Twitter
Invite followers!
Their Move
Greg H.
'TOQUE' - 4 hours ago
Gabriela U.
'PUPPY' - 1 day ago
Lindsey H.
WORDS with friends
Adam Y. 270
Jet V. 280
Adam: PLAY for 20 points
80
letters left
more
swap
pass
recall
Chat with Adam Y.
PLAY... 20 points -___-
Ha, yep, I thought you'd like that.
I'm plotting a major comeback. I hope you're ready!
That's #realtalk
Tap here to write a message


menu
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See what's new!
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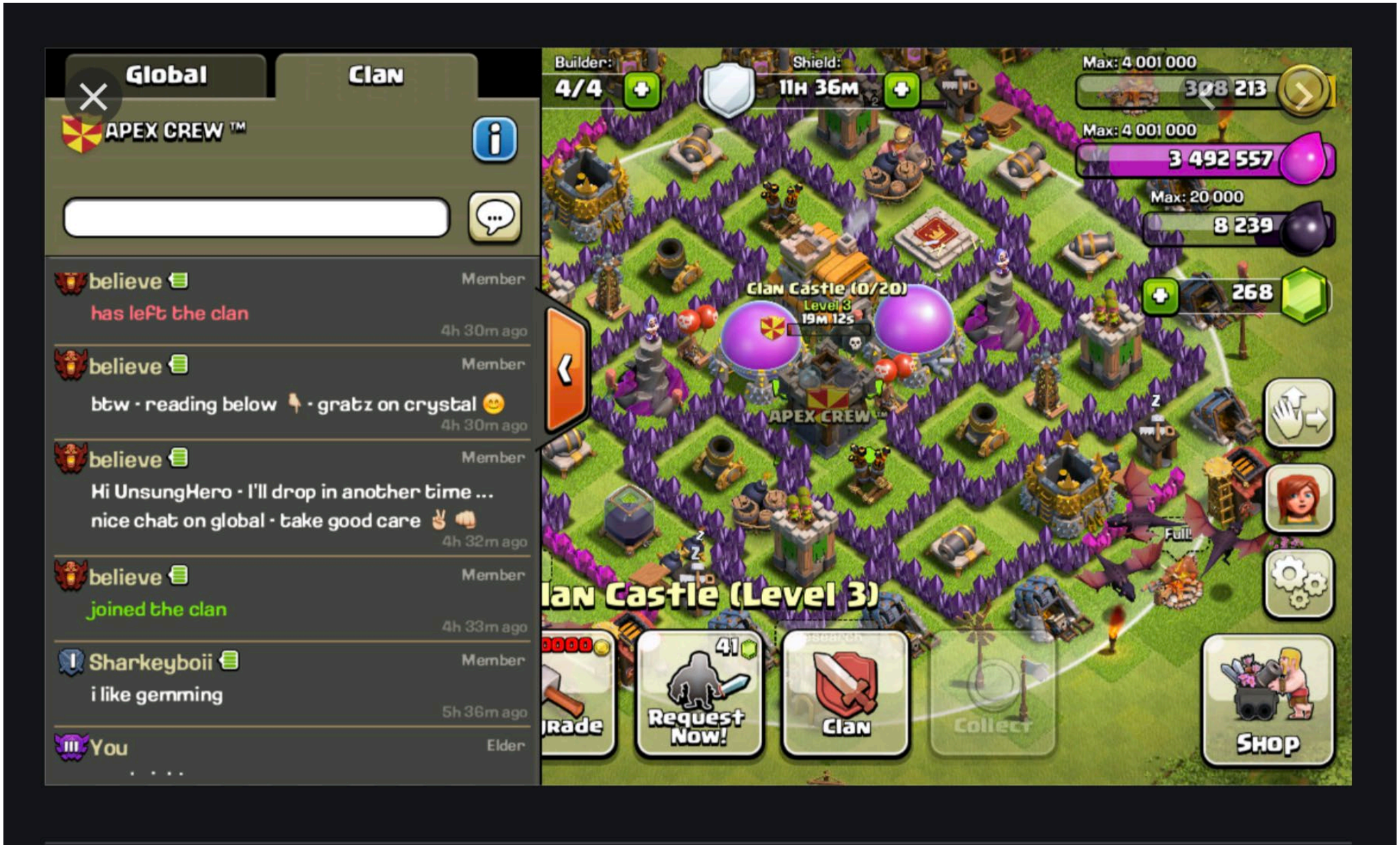
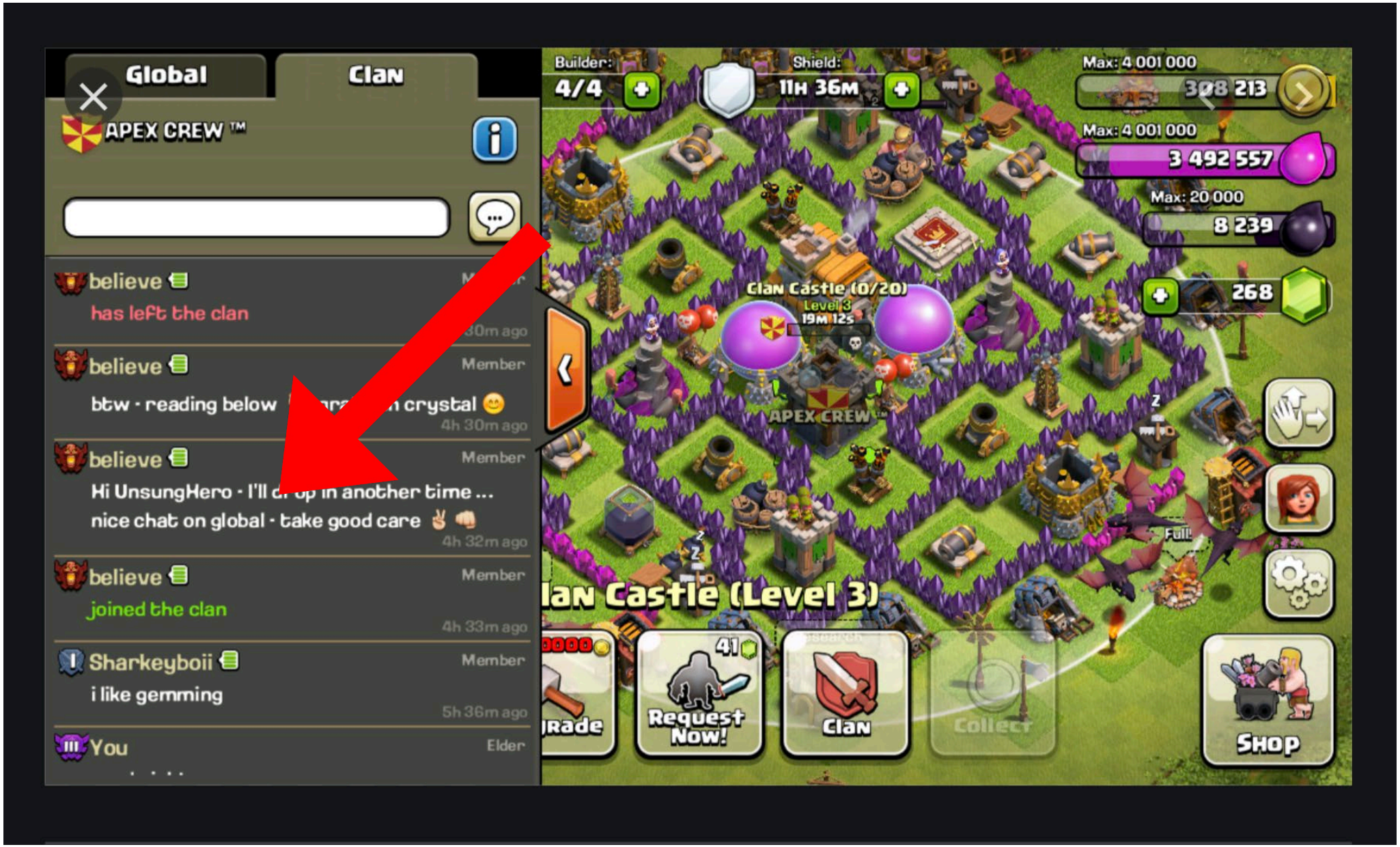

Global
Clan
APEX CREW ™
believe
Member
has left the clan
4h 30m ago
believe
Member
btw - reading below - gratz on crystal
4h 30m ago
believe
Member
Hi UnsungHero - I'll drop in another time ...
nice chat on global - take good care
4h 32m ago
believe
Member
joined the clan
4h 33m ago
Sharkeyboii
Member
i like gemming
5h 36m ago
You
Elder
Builder:
4/4
Shield:
11h 36m
Max: 4 001 000
308 213
Max: 4 001 000
3 492 557
Max: 20 000
8 239
268
Clan Castle (0/20)
Level 3
19m 12s
APEX CREW ™
lan Castle (Level 3)
Full!
41
Request Now!
Clan
Collect
Shop


Global
Clan
APEX CREW ™
believe
has left the clan
30m ago
believe
Member
btw - reading below
crystal
4h 30m ago
believe
Member
Hi UnsungHero - I'll
another time ...
nice chat on global - take good care
4h 32m ago
believe
Member
joined the clan
4h 33m ago
Sharkeyboii
Member
i like gemming
5h 36m ago
You
Elder
Builder:
4/4
Shield:
11H 36M
Max: 4 001 000
308 213
Max: 4 001 000
3 492 557
Max: 20 000
8 239
268
Clan Castle (0/20)
Level 3
19M 12s
APEX CREW ™
lan Castle (Level 3)
Full!
41
Request Now!
Clan
Collect
Shop


EXTRA
BONUS

facebook.com

Heather King

Heather | Home | Create

Timeline | About | Friends 960 | Photos | Archive | More

203 items for you to review

Intro

Add a short bio to tell people more about yourself.

Add Bio

Create Post | Photo/Video | Live Video | Life Event

What's on your mind?

Photo/Video | Tag Friends | GIF

facebook.com

Heather King

Heather | Ho | Create

Your Groups

Advertising on Facebook

Activity Log 20+

News Feed Preferences

Settings

Send Money

Payment History

Switch to New Facebook

Log Out

Heather King

Edit Profile | Activity Log 20+

Timeline | About | Friends 960 | Photos | Archive | More

203 items for you to review

Intro

Create Post | Photo/Video | Live Video | Life Event

What's on your mind?

Heather King

Heather | Home | Create

Filters

- Activity Log
- Timeline Review 10+
- Tag Review 1
- Photo Review
- Posts
- Posts And Comments
- You're Tagged In
- Others' Posts to Your Timeline
- Hidden From Timeline
- Photos and Videos
- Likes and Reactions
- Comments

MORE

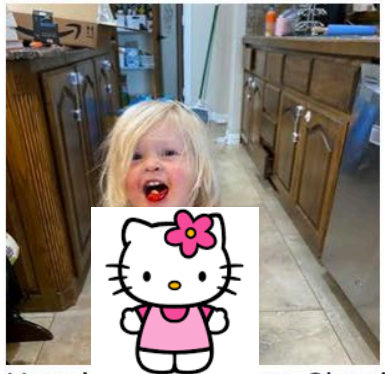
Activity Log

2020
2019
2018
2017
2016
2015
2014
2013
2012
2011
2010
2009
2008
2007

ther King updated her cover hoto.

ESTERDAY

Heather King reacted to Jessica Hall Janicek's hoto.



Here is my daughter. She ripped the head off an Ariel doll. Now she's pretending to eat it.

Heather King

Heather | Home | Create

Filters

- Activity Log
- Timeline Review 10+
- Tag Review 1
- Photo Review

- Posts
- Posts And Comments
- You're Tagged In
- Others' Posts to Your Timeline
- Hidden From Timeline

- Photos and Videos
- Likes and Reactions
- Comments

MORE

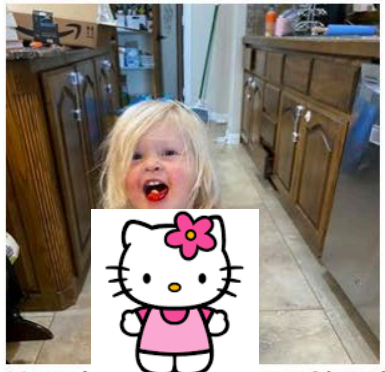
Activity Log

2020
2019
2018
2017
2016
2015
2014
2013
2012
2011
2010
2009
2008
2007

Heather King updated her cover photo.

YESTERDAY

Heather King reacted to Jessica Hall Janicek's photo.

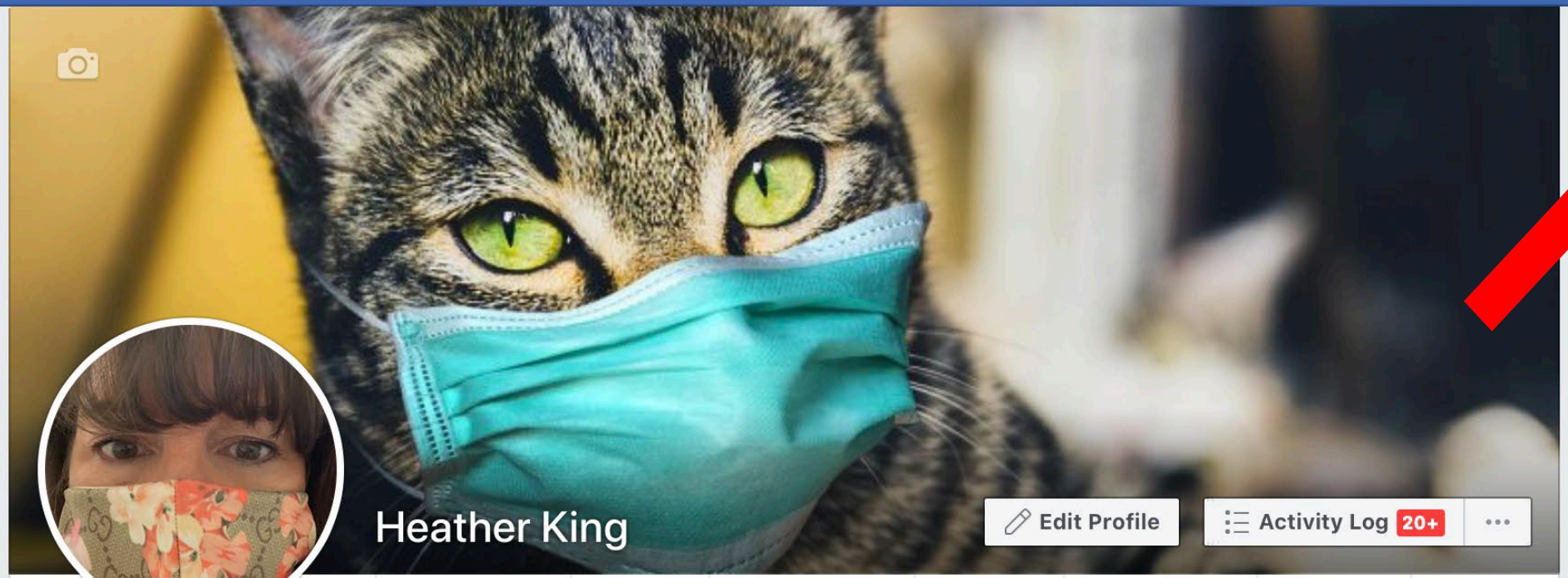


Here is my daughter. She ripped the head off an Ari doll. Now she's pretending to eat it.

facebook.com

Heather King

Heather | Home | Create



Timeline | About | Friends 960 | Photos | Archive | More

203 items for you to review

Intro

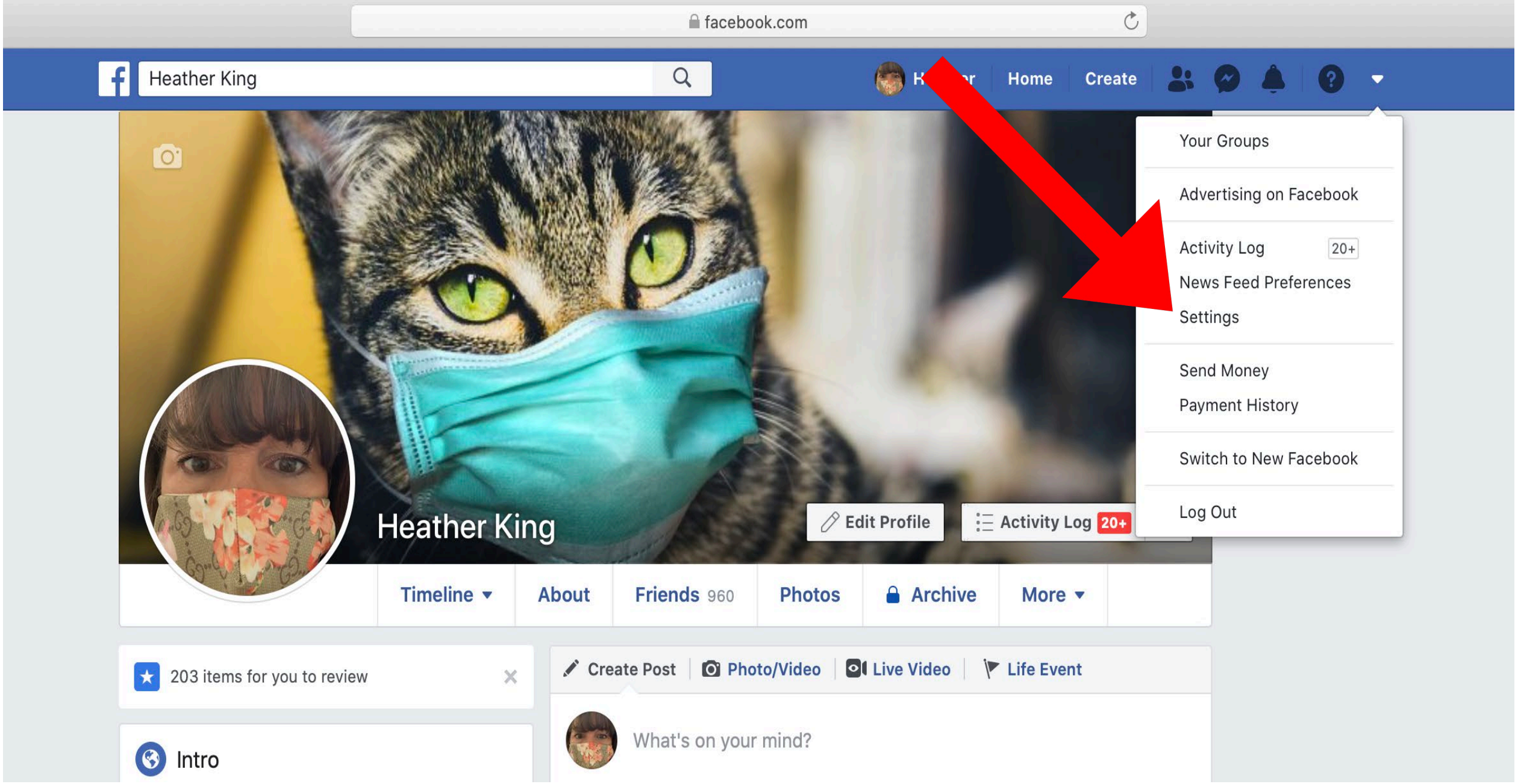
Add a short bio to tell people more about yourself.

Add Bio

Create Post | Photo/Video | Live Video | Life Event

What's on your mind?

Photo/Video | Tag Friends | GIF


facebook.com
Heather King
Home
Create
Your Groups
Advertising on Facebook
Activity Log 20+
News Feed Preferences
Settings
Send Money
Payment History
Switch to New Facebook
Log Out
Heather King
Edit Profile
Activity Log 20+
Timeline
About
Friends 960
Photos
Archive
More
203 items for you to review
Create Post
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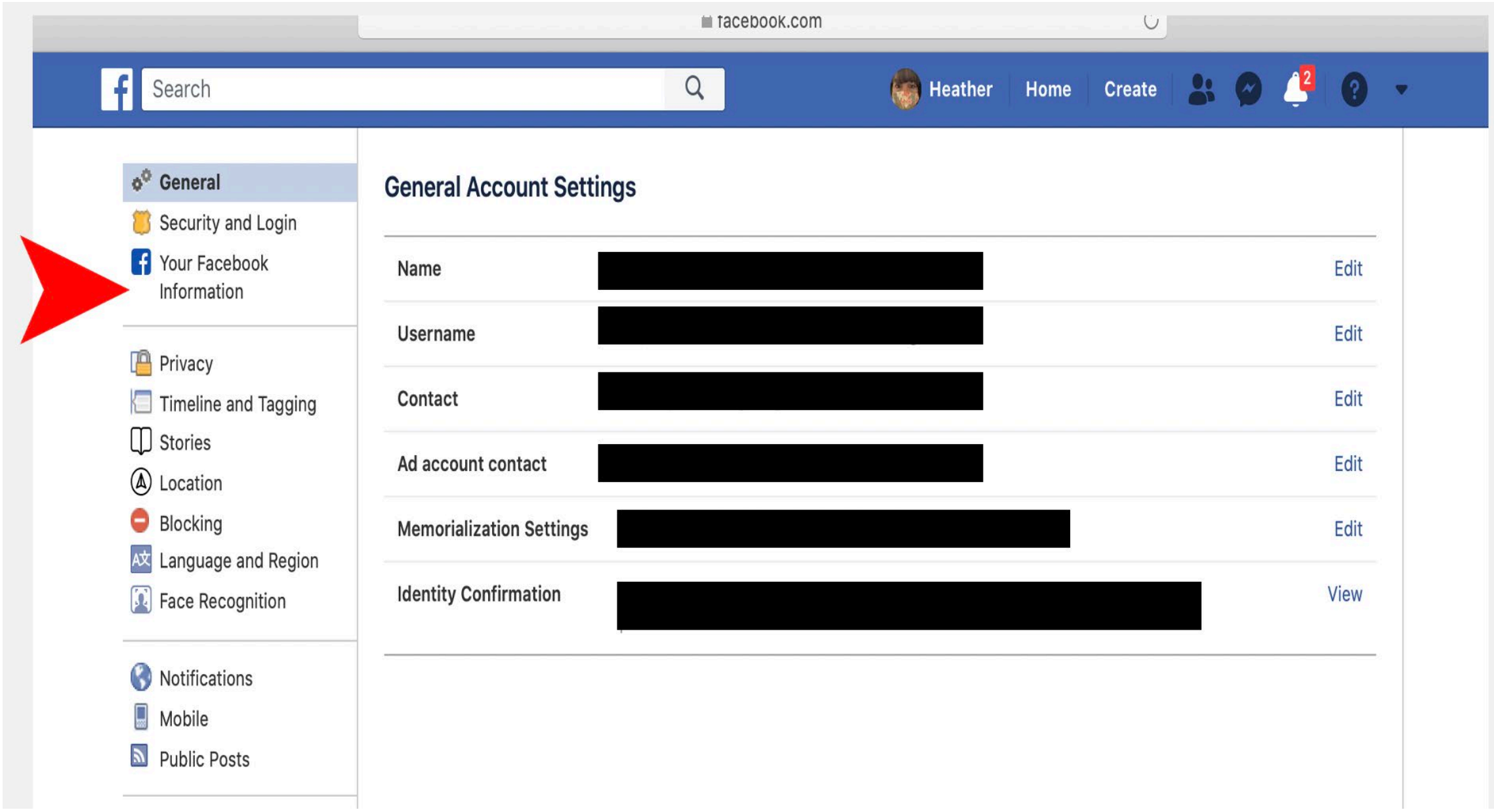
What's on your mind?
Intro


facebook.com
Search
Heather
Home
Create
2
General
Security and Login
Your Facebook Information
Privacy
Timeline and Tagging
Stories
Location
Blocking
Language and Region
Face Recognition
Notifications
Mobile
Public Posts
General Account Settings
Name
Edit
Username
Edit
Contact
Edit
Ad account contact
Edit
Memorialization Settings
Edit
Identity Confirmation
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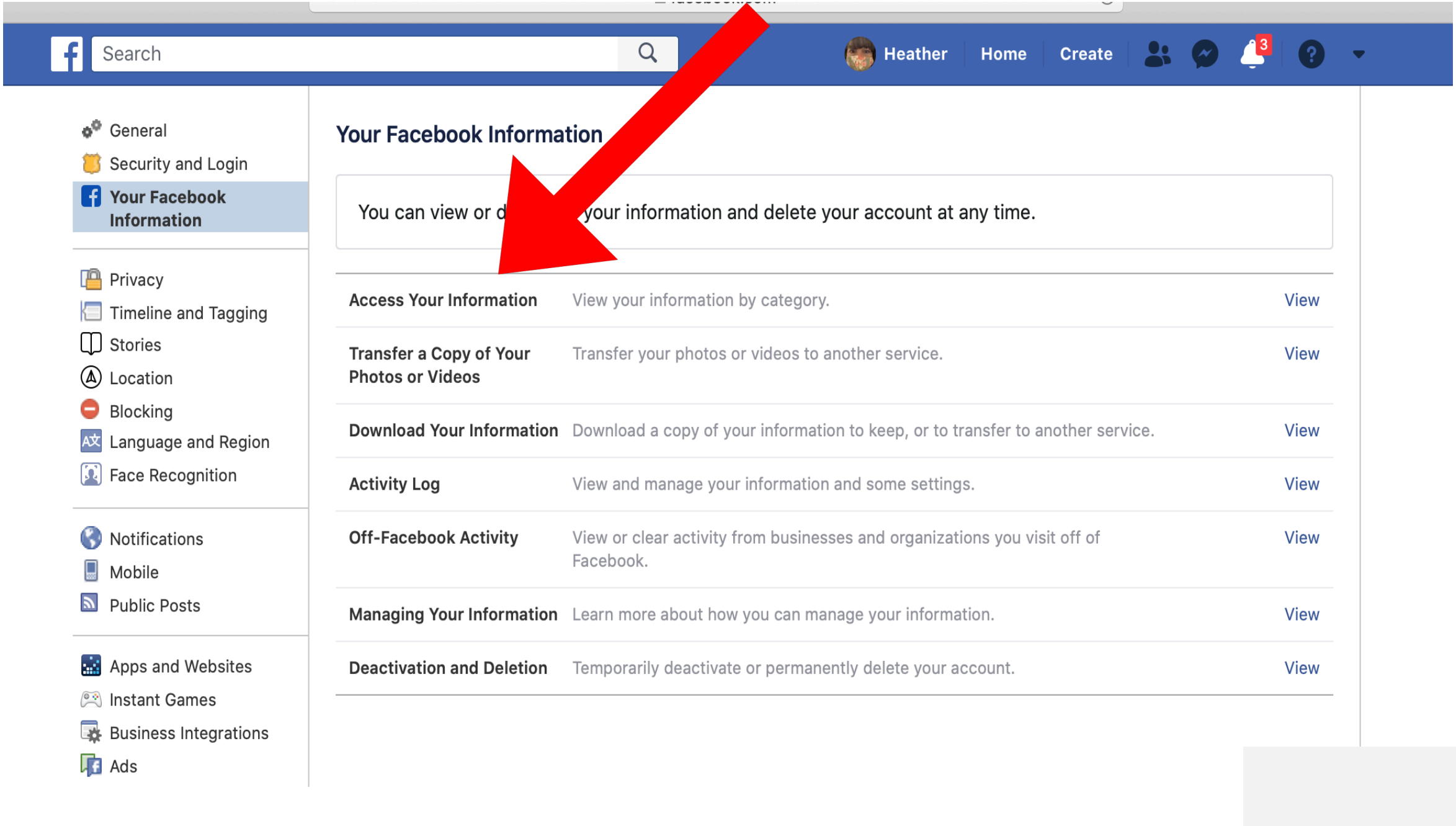
Search
Heather
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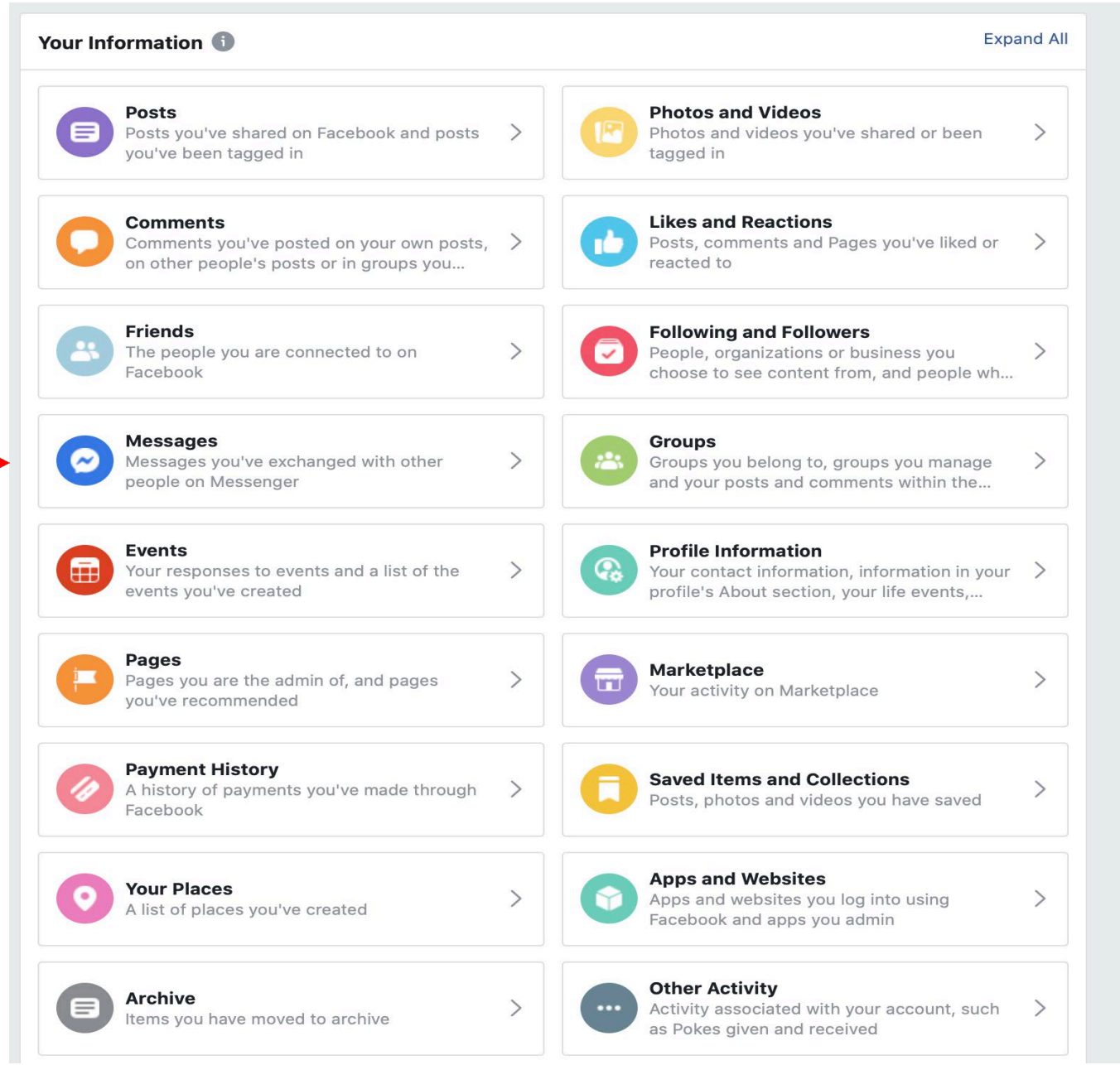
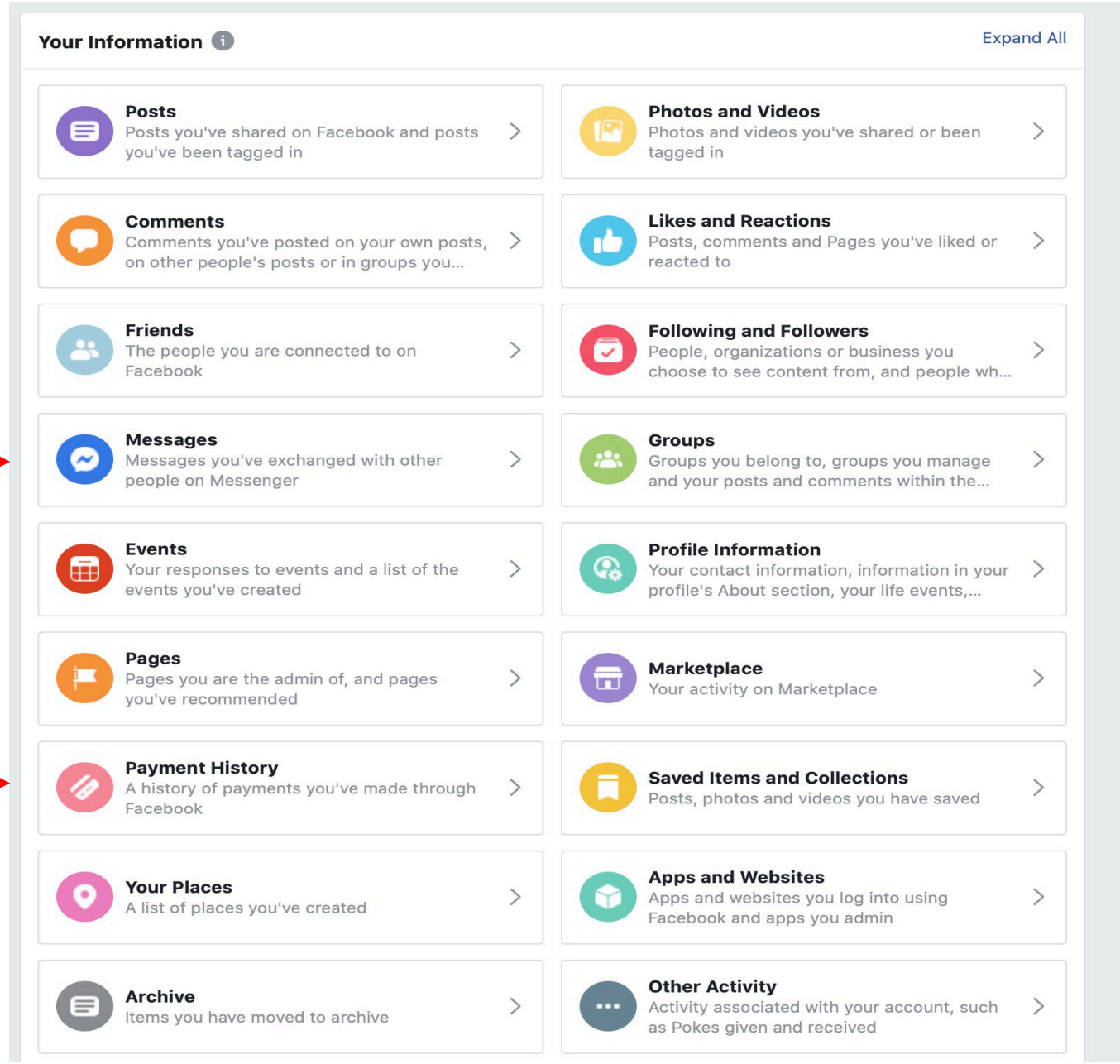
3
General
Security and Login
Your Facebook Information
Privacy
Timeline and Tagging
Stories
Location
Blocking
Language and Region
Face Recognition
Notifications
Mobile
Public Posts
Apps and Websites
Instant Games
Business Integrations
Ads
Your Facebook Information
You can view or d your information and delete your account at any time.
Access Your Information
View your information by category.
View
Transfer a Copy of Your Photos or Videos
Transfer your photos or videos to another service.
View
Download Your Information
Download a copy of your information to keep, or to transfer to another service.
View
Activity Log
View and manage your information and some settings.
View
Off-Facebook Activity
View or clear activity from businesses and organizations you visit off of Facebook.
View
Managing Your Information
Learn more about how you can manage your information.
View
Deactivation and Deletion
Temporarily deactivate or permanently delete your account.
View


Your Information
Expand All
Posts
Posts you've shared on Facebook and posts you've been tagged in
Photos and Videos
Photos and videos you've shared or been tagged in
Comments
Comments you've posted on your own posts, on other people's posts or in groups you...
Likes and Reactions
Posts, comments and Pages you've liked or reacted to
Friends
The people you are connected to on Facebook
Following and Followers
People, organizations or business you choose to see content from, and people wh...
Messages
Messages you've exchanged with other people on Messenger
Groups
Groups you belong to, groups you manage and your posts and comments within the...
Events
Your responses to events and a list of the events you've created
Profile Information
Your contact information, information in your profile's About section, your life events,...
Pages
Pages you are the admin of, and pages you've recommended
Marketplace
Your activity on Marketplace
Payment History
A history of payments you've made through Facebook
Saved Items and Collections
Posts, photos and videos you have saved
Your Places
A list of places you've created
Apps and Websites
Apps and websites you log into using Facebook and apps you admin
Archive
Items you have moved to archive
Other Activity
Activity associated with your account, such as Pokes given and received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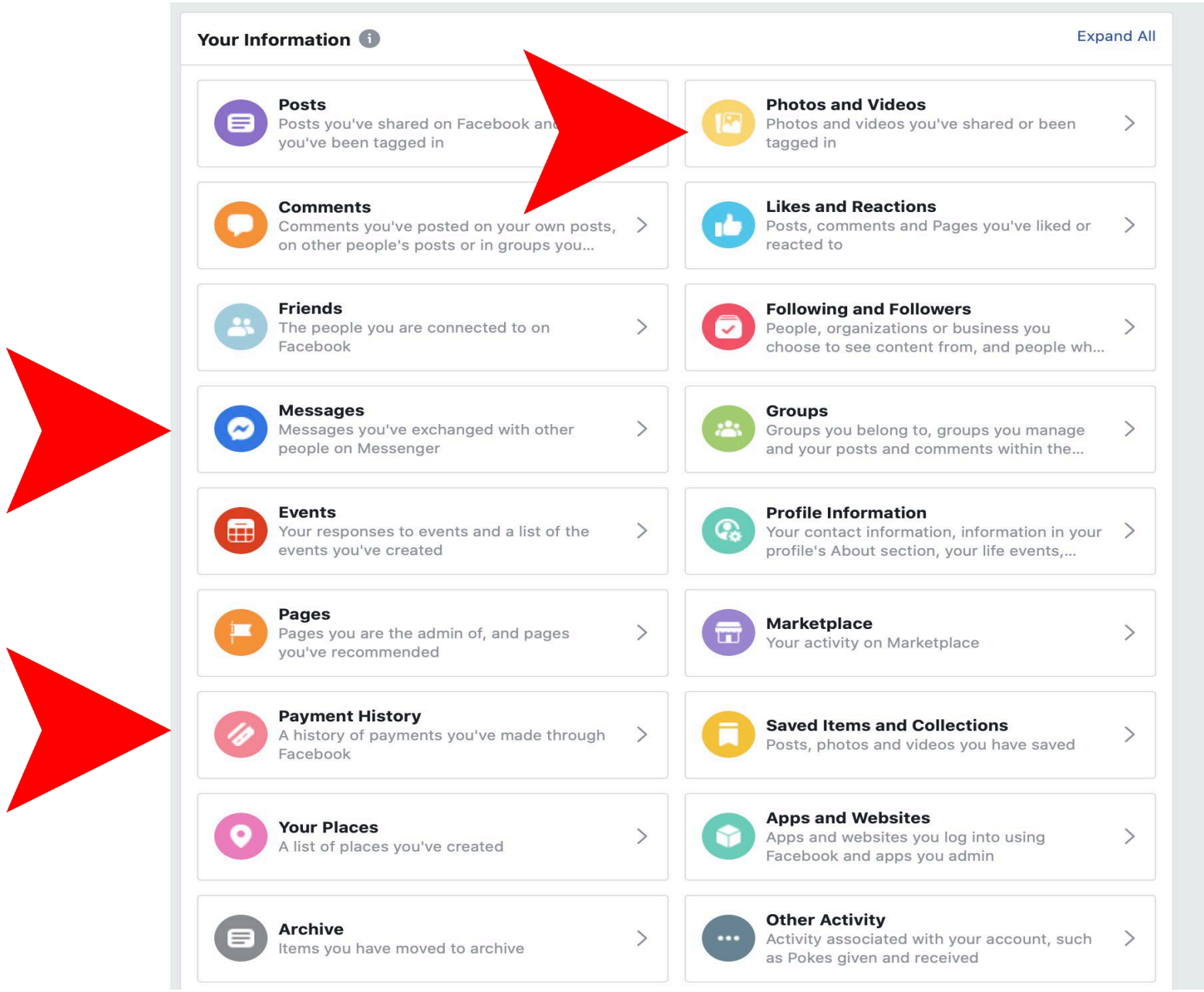
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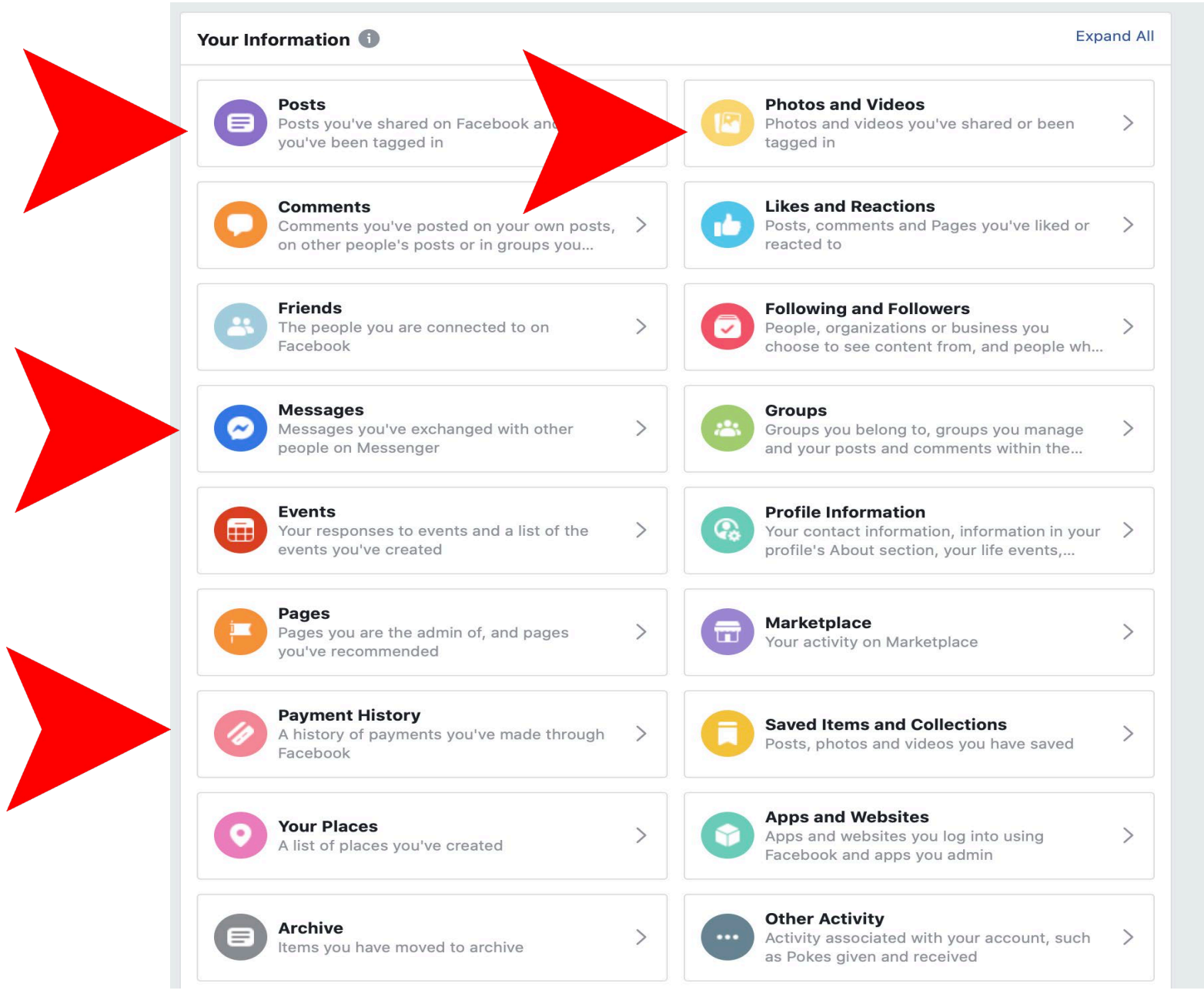
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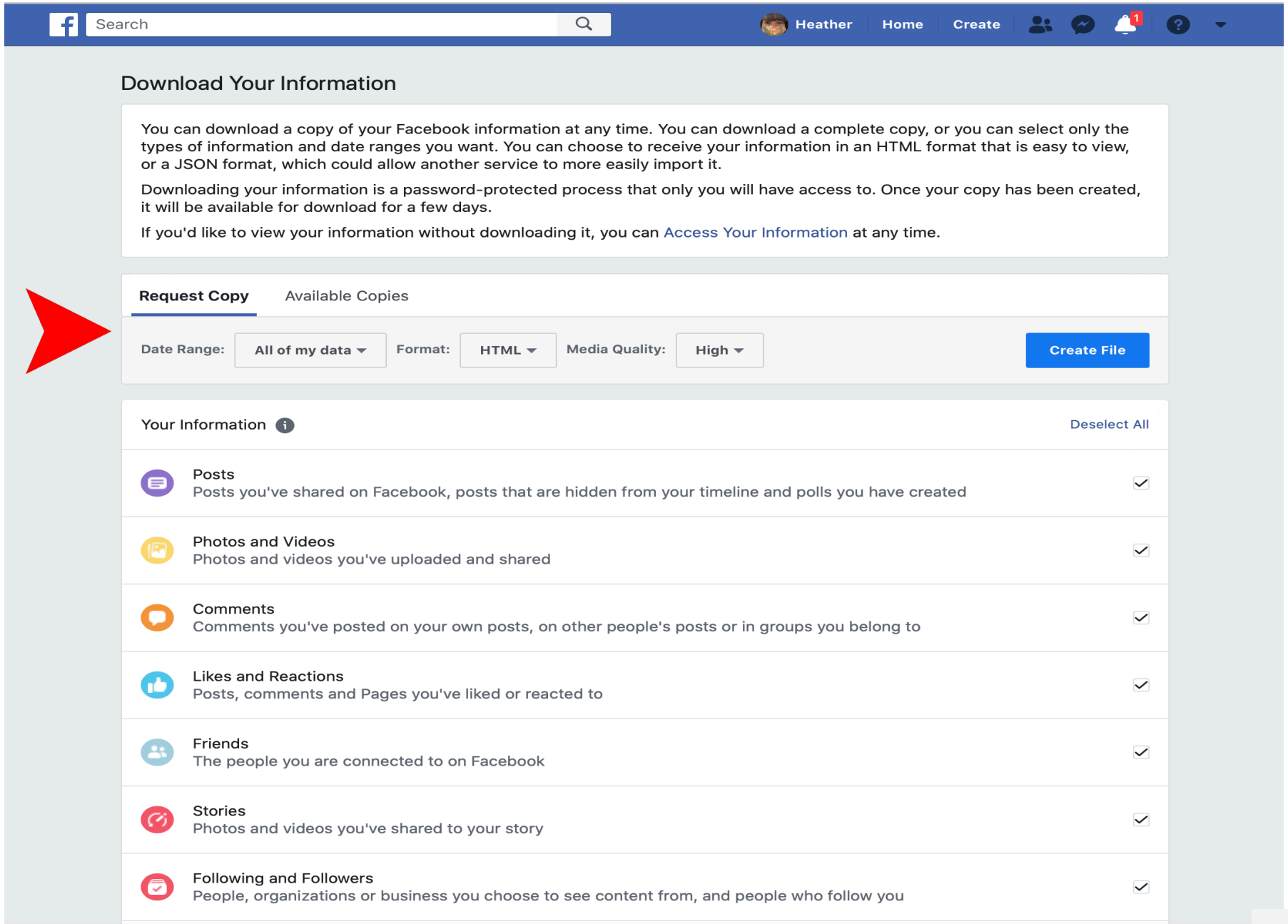
- General
- Security and Login
- **Your Facebook Information**
- Privacy
- Timeline and Tagging
- Stories
- Location
- Blocking
- Language and Region
- Face Recognition
- Notifications
- Mobile
- Public Posts
- Apps and Websites
- Instant Games
- Business Integrations
- Ads

Your Facebook Information

You can view or download your informa and delete your account at any time.

Access Your Information	Vie information by category.	View
Transfer a Copy of Y Photos or Videos	ansfer your photos or videos to another service.	View
Download Your Information	Download a copy of your information to keep, or to transfer to another service.	View
Activity Log	View and manage your information and some settings.	View
Off-Facebook Activity	View or clear activity from businesses and organizations you visit off of Facebook.	View
Managing Your Information	Learn more about how you can manage your information.	View
Deactivation and Deletion	Temporarily deactivate or permanently delete your account.	View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Download Your Information
You can download a copy of your Facebook information at any time. You can download a complete copy, or you can select only the types of information and date ranges you want. You can choose to receive your information in an HTML format that is easy to view, or a JSON format, which could allow another service to more easily import it.
Downloading your information is a password-protected process that only you will have access to. Once your copy has been created, it will be available for download for a few days.
If you'd like to view your information without downloading it, you can Access Your Information at any time.
Request Copy
Available Copies
Date Range:
All of my data
Format:
HTML
Media Quality:
High
Create File
Your Information
Deselect All
Posts
Posts you've shared on Facebook, posts that are hidden from your timeline and polls you have created
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Photos and videos you've uploaded and shared
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Comments you've posted on your own posts, on other people's posts or in groups you belong to
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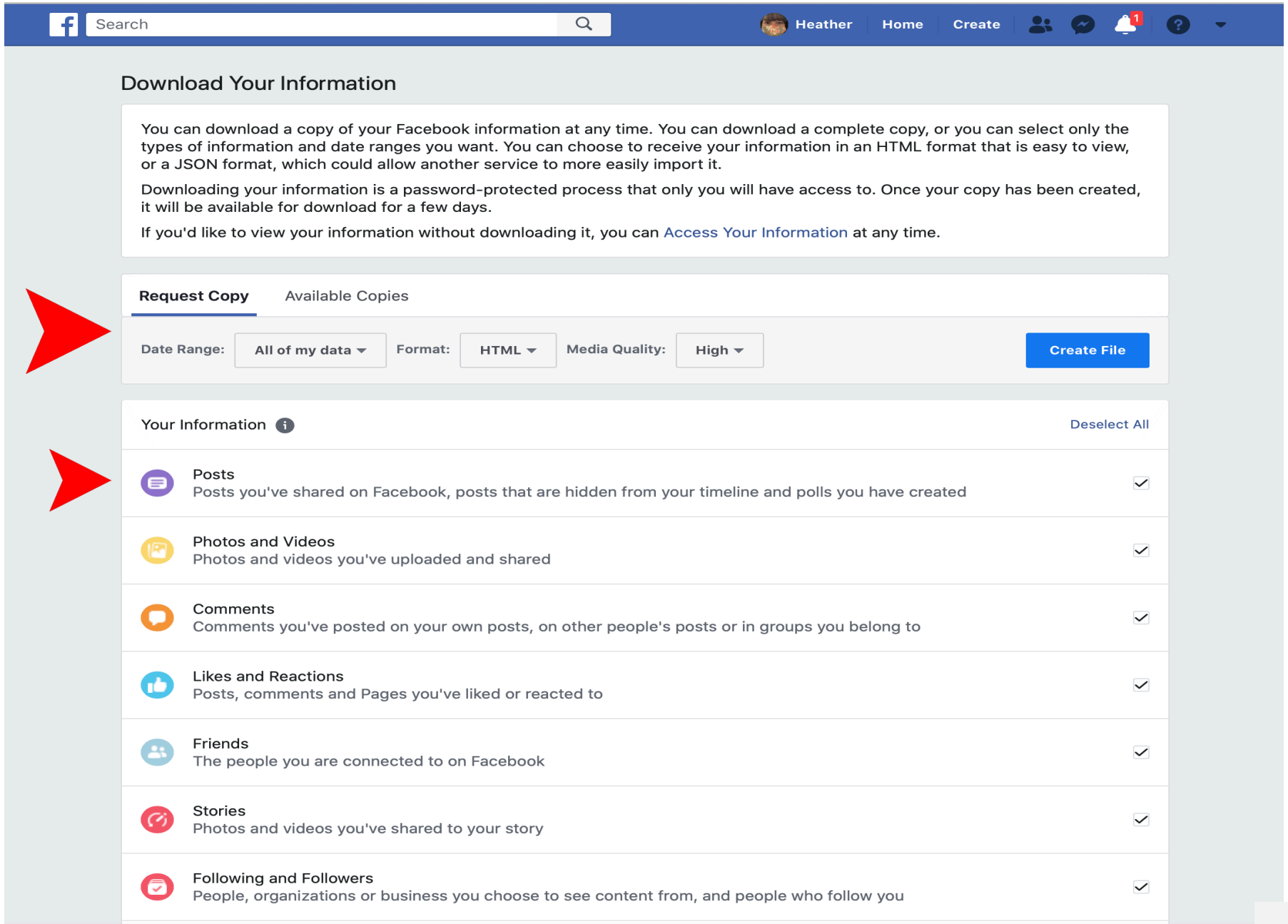
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Download Your Information
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Downloading your information is a password-protected process that only you will have access to. Once your copy has been created, it will be available for download for a few days.
If you'd like to view your information without downloading it, you can Access Your Information at any time.
Request Copy
Available Copies
Date Range:
All of my data
Format:
HTML
Media Quality:
High
Create File
Your Information
Deselect All
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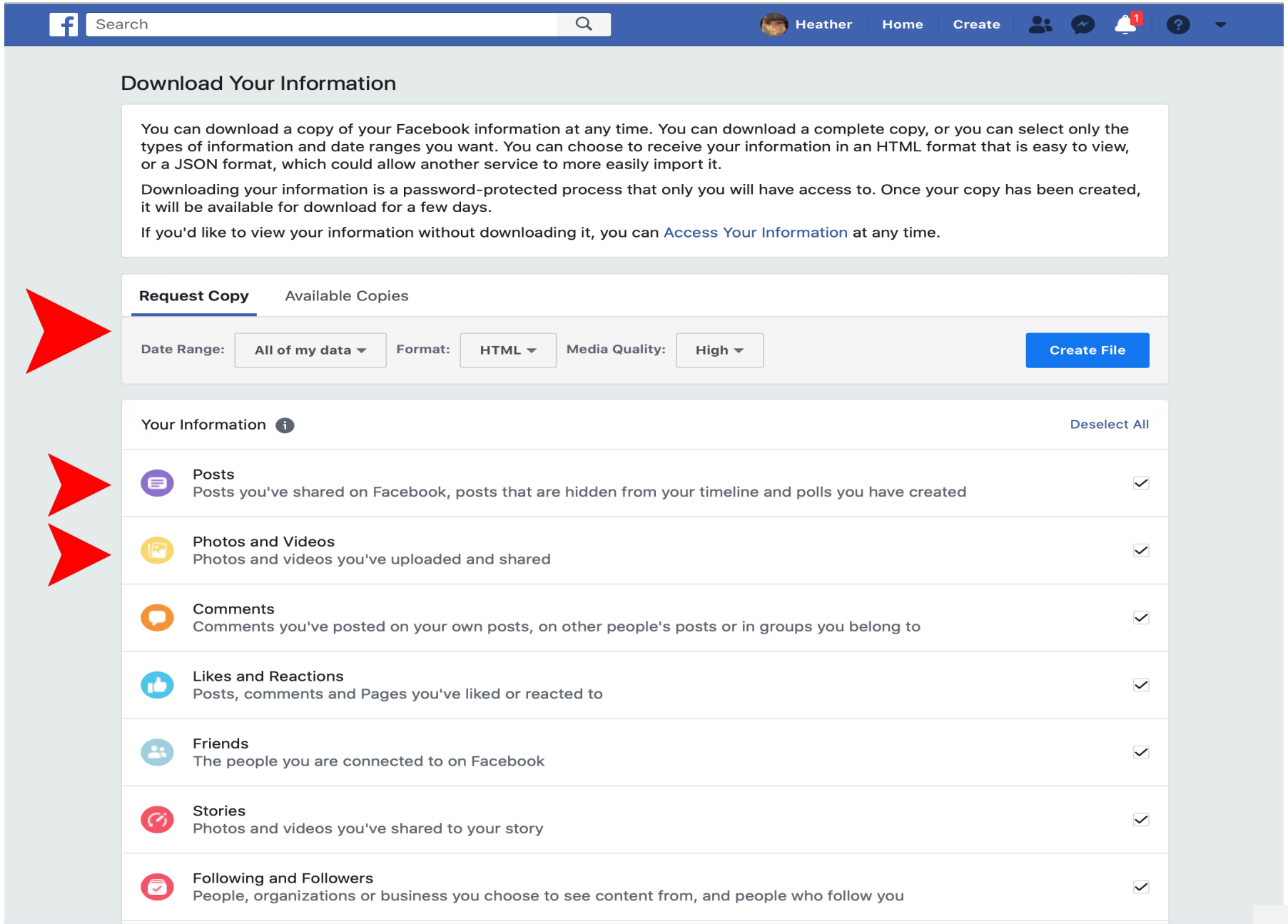
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Downloading your information is a password-protected process that only you will have access to. Once your copy has been created, it will be available for download for a few days.
If you'd like to view your information without downloading it, you can Access Your Information at any time.
Request Copy
Available Copies
Date Range:
All of my data
Format:
HTML
Media Quality:
High
Create File
Your Information
Deselect All
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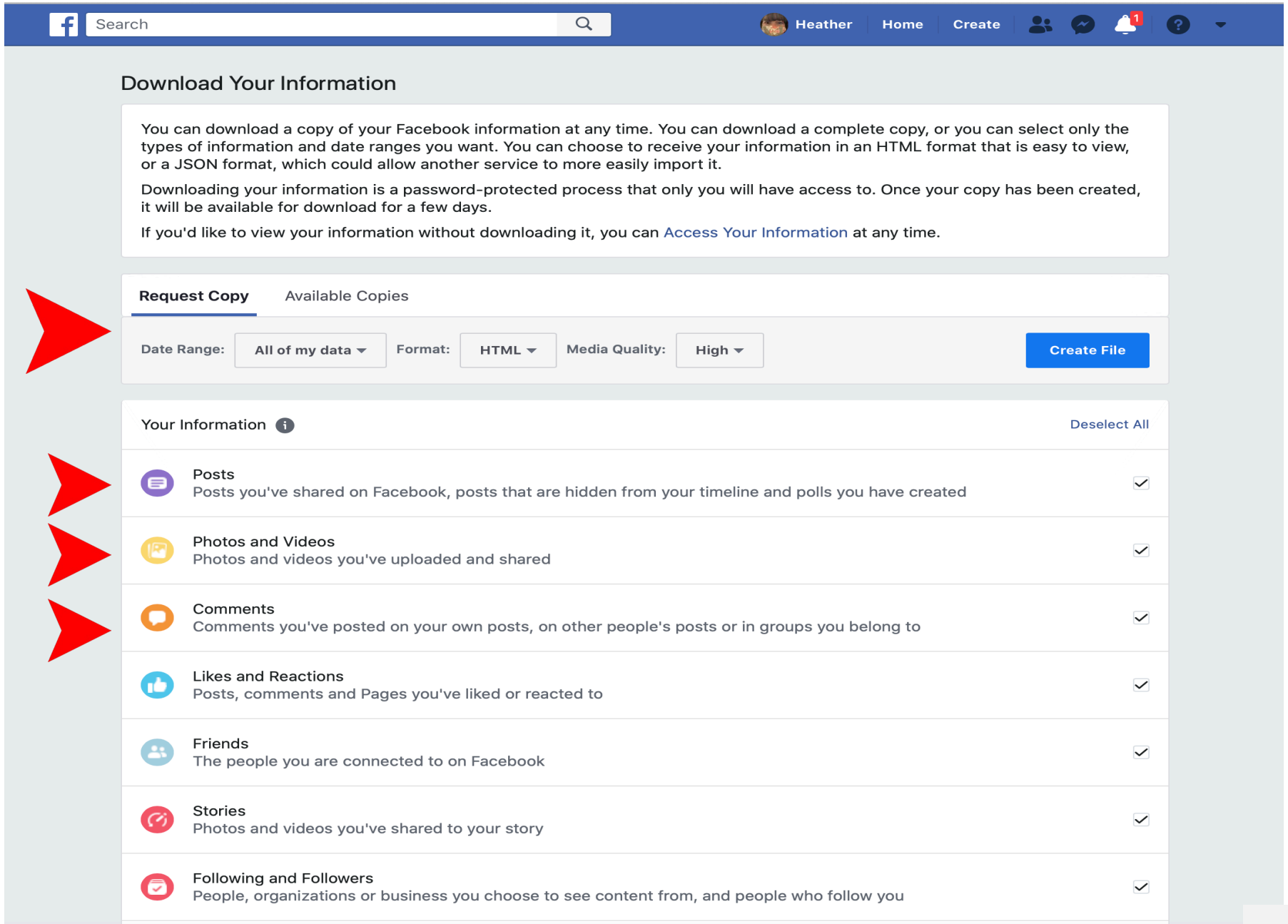
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Downloading your information is a password-protected process that only you will have access to. Once your copy has been created, it will be available for download for a few days.
If you'd like to view your information without downloading it, you can Access Your Information at any time.
Request Copy
Available Copies
Date Range:
All of my data
Format:
HTML
Media Quality:
High
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Your Information
Deselect All
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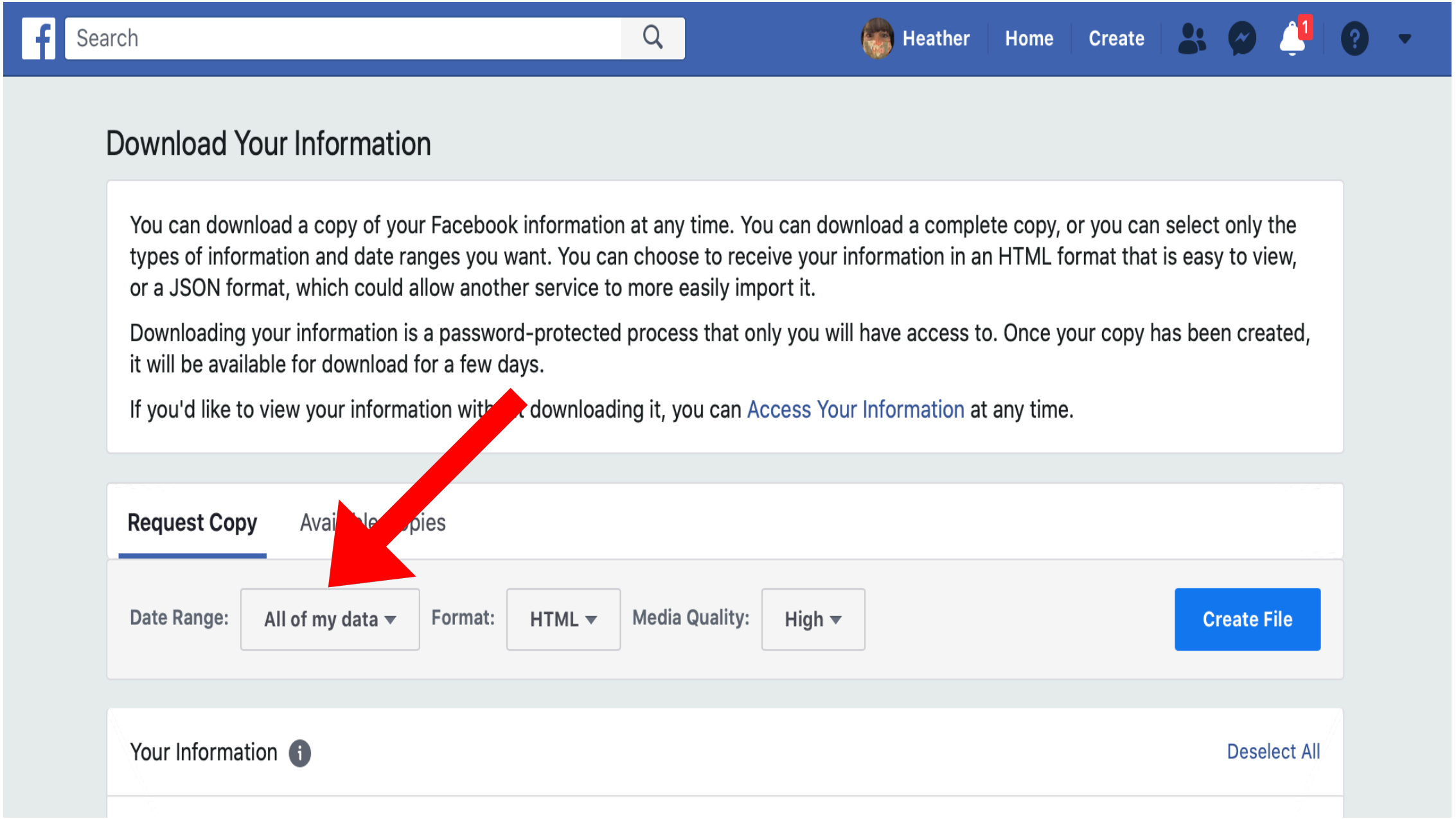
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Heather
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1
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Downloading your information is a password-protected process that only you will have access to. Once your copy has been created, it will be available for download for a few days.
If you'd like to view your information with downloading it, you can Access Your Information at any time.
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All of my data
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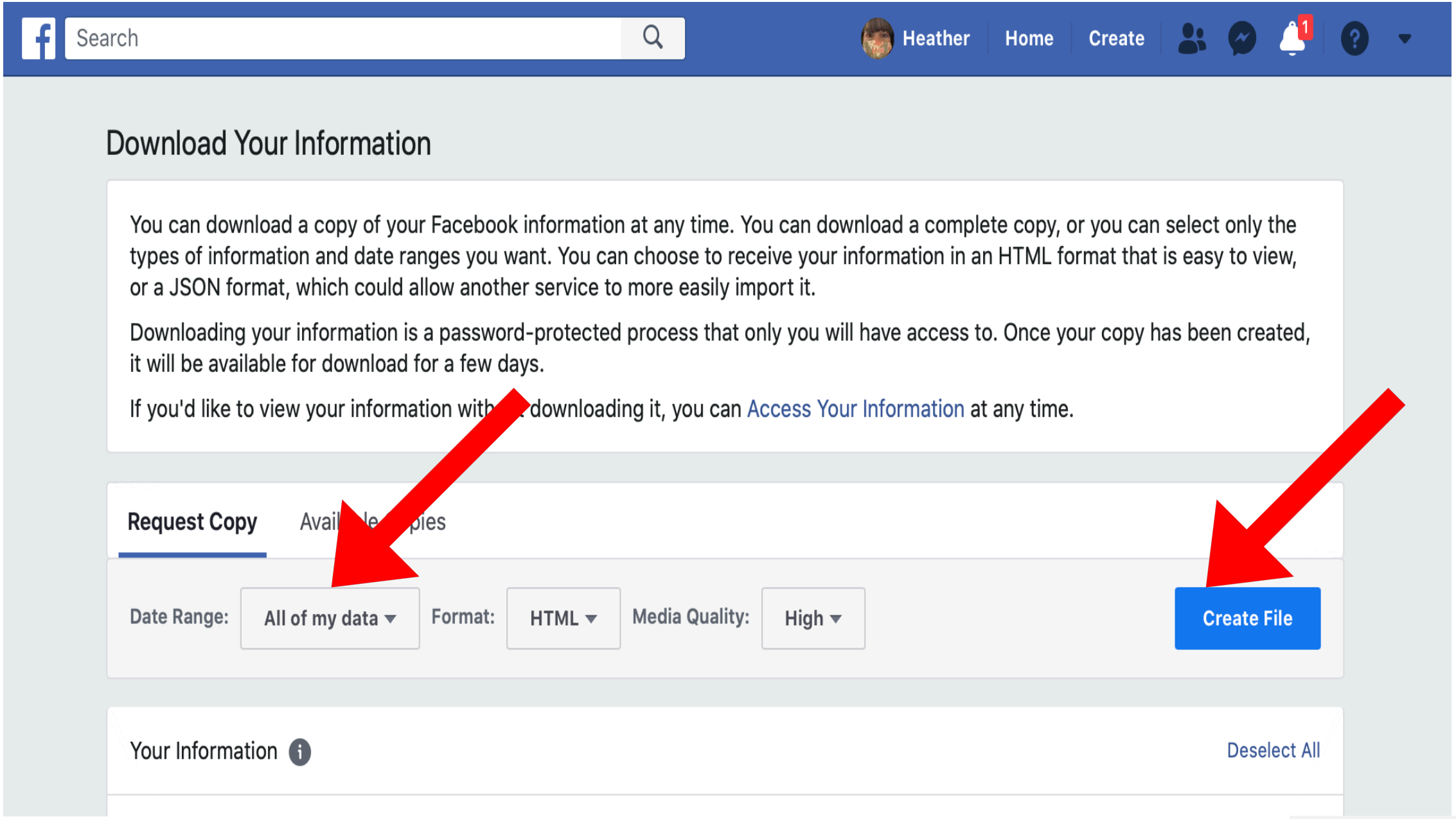
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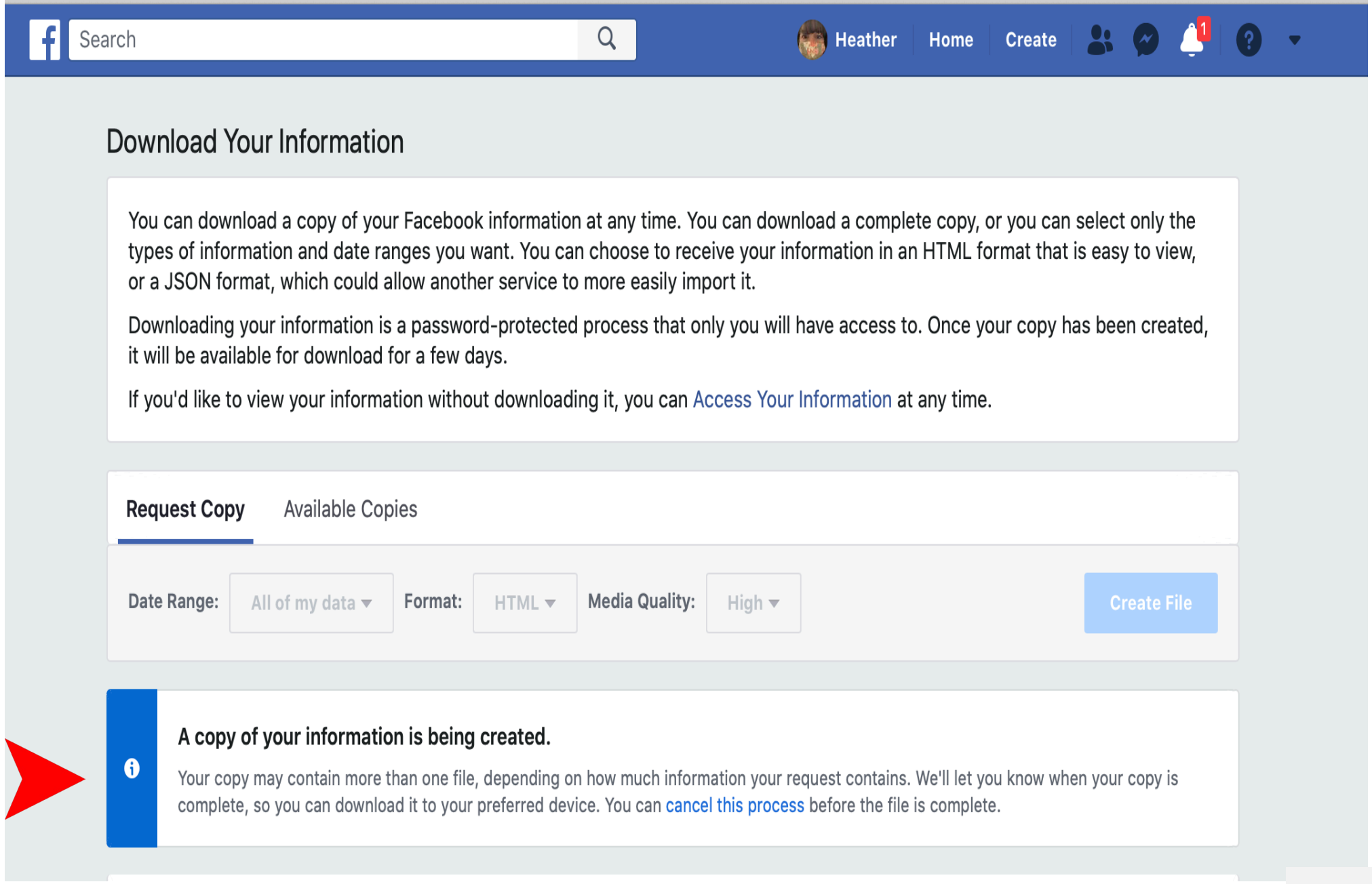
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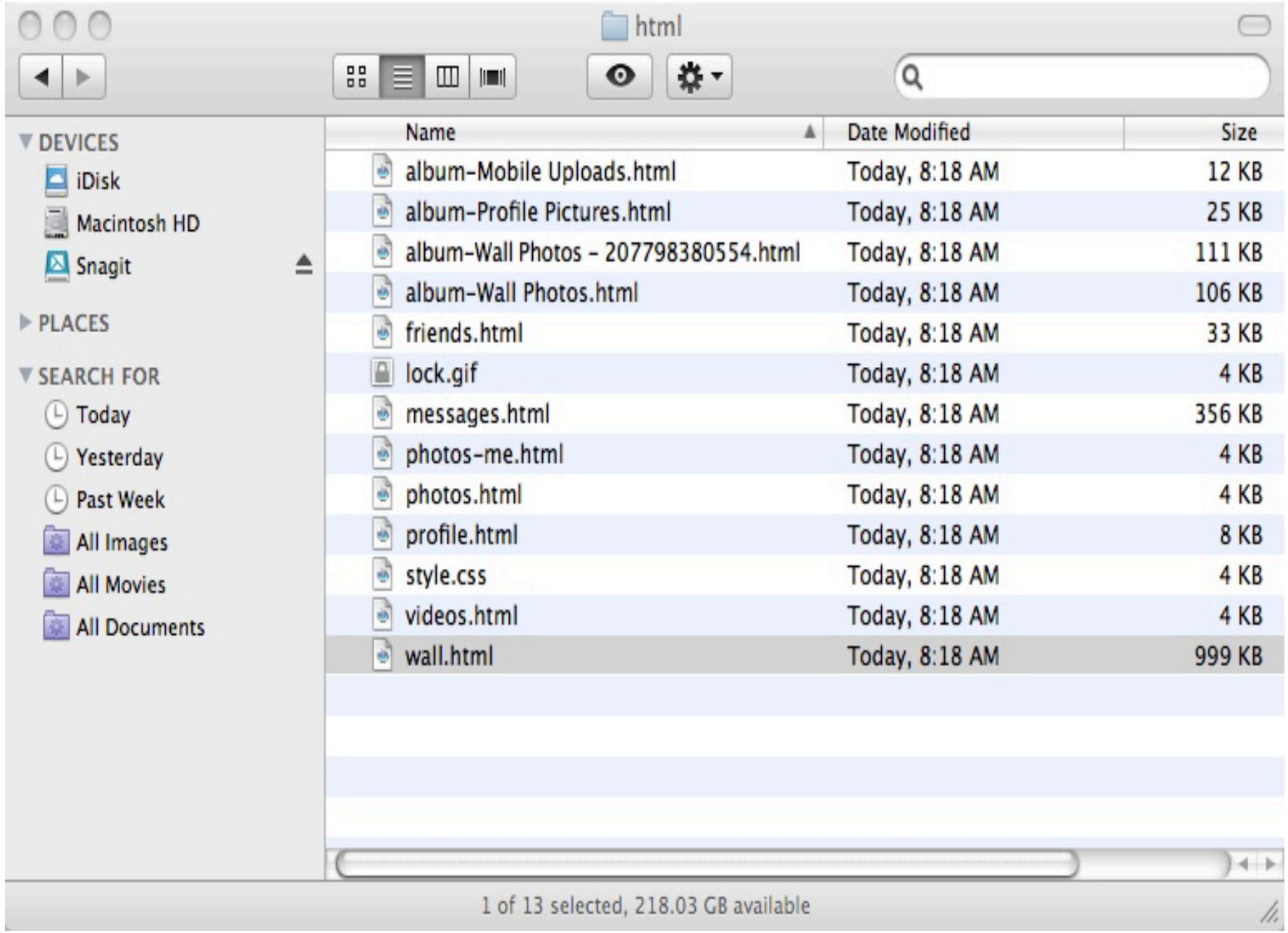
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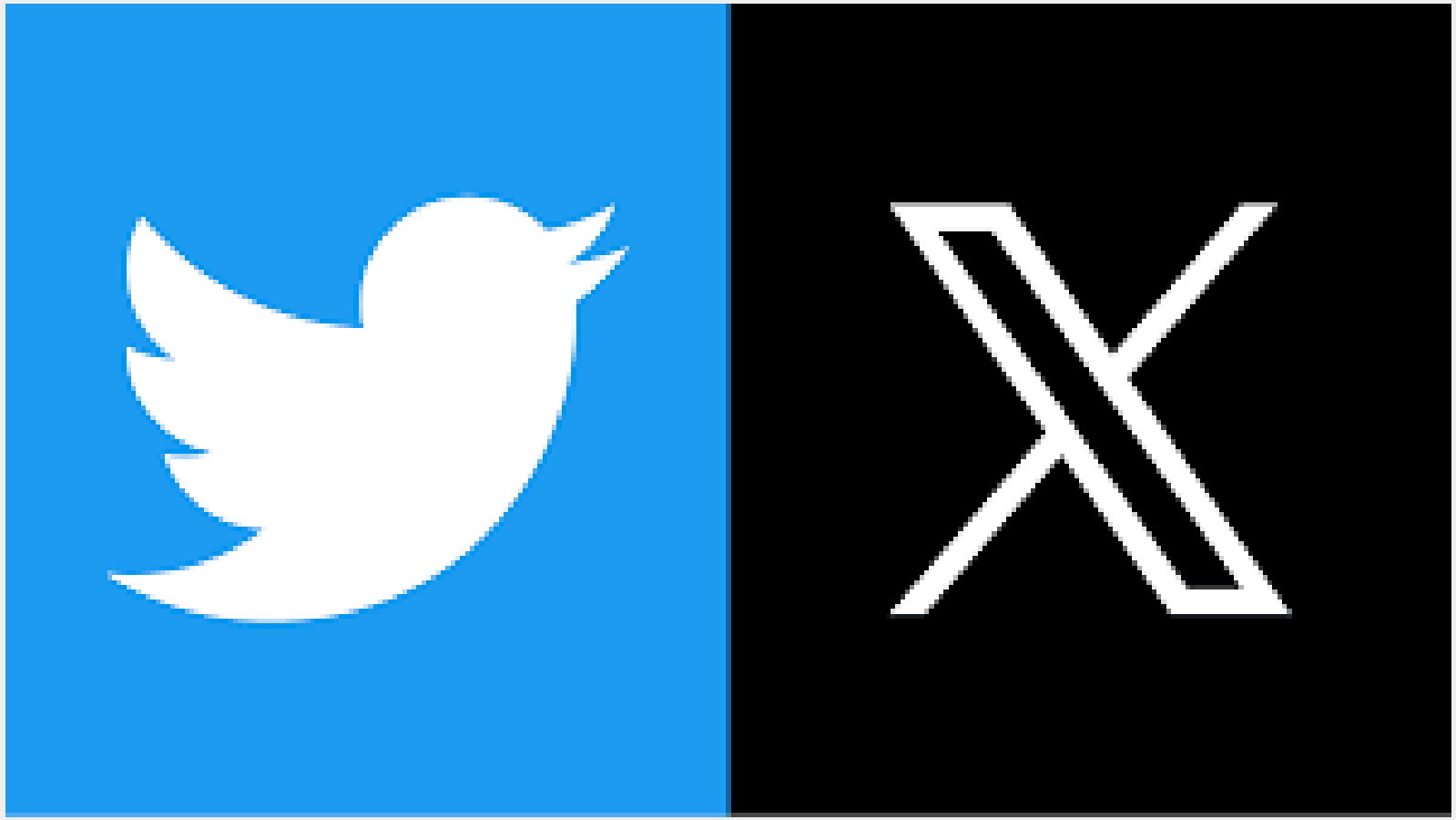

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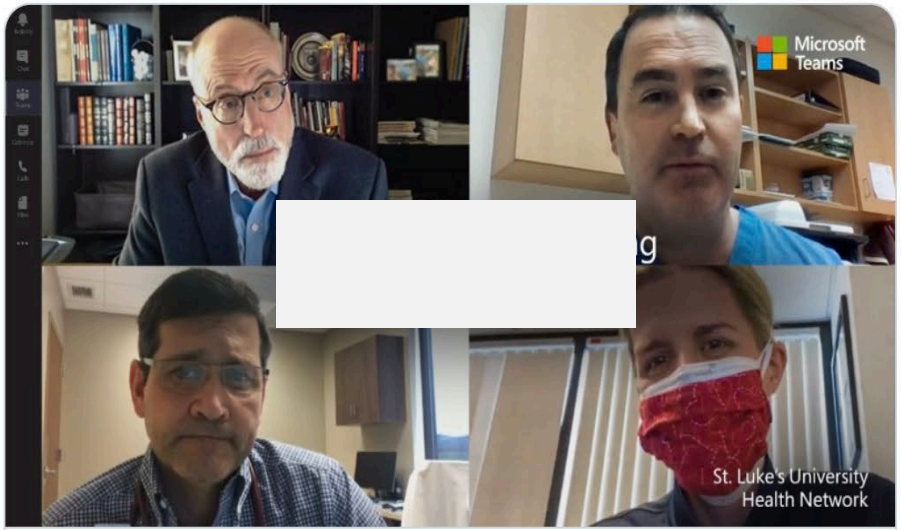

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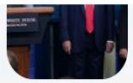

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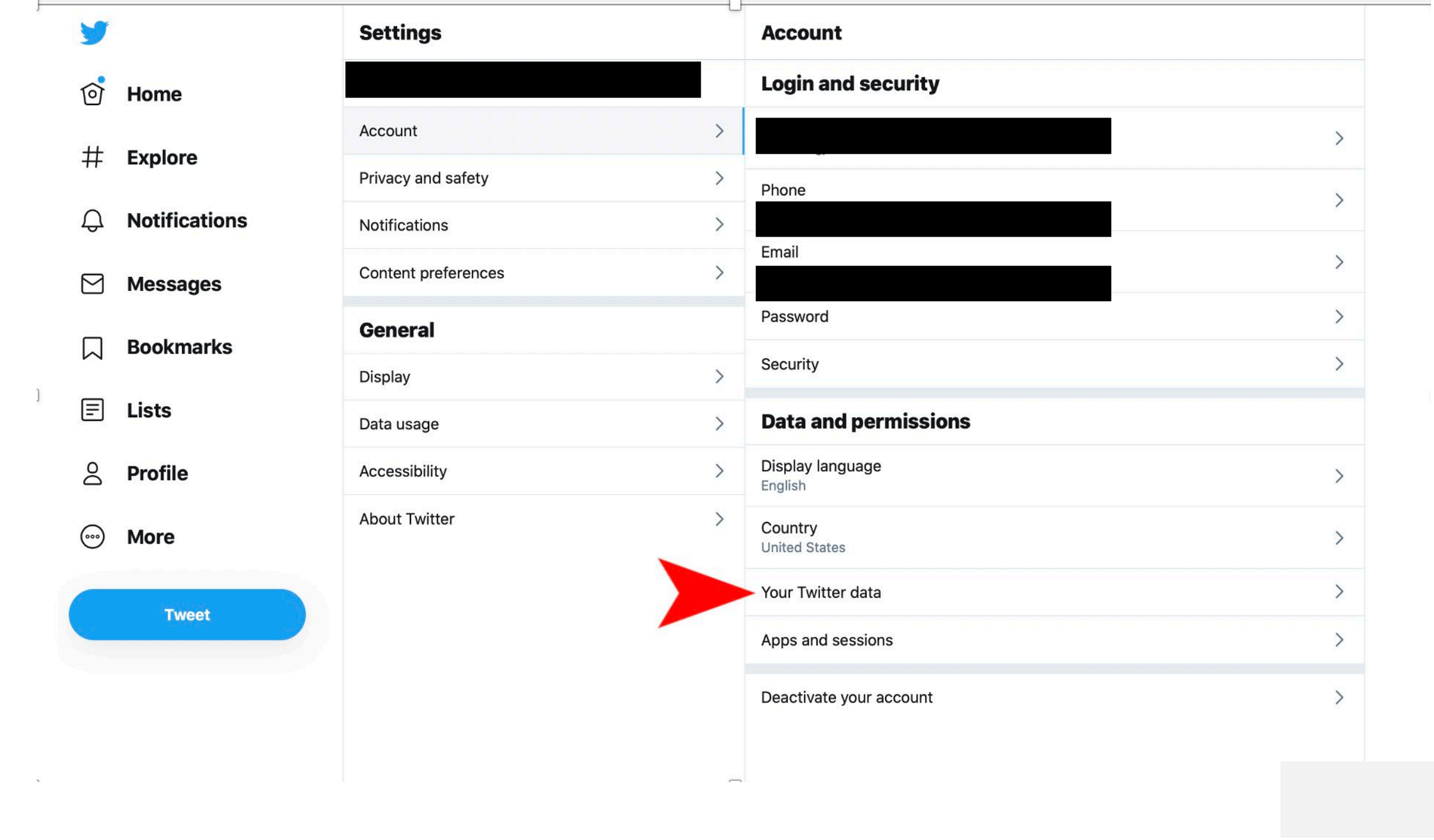
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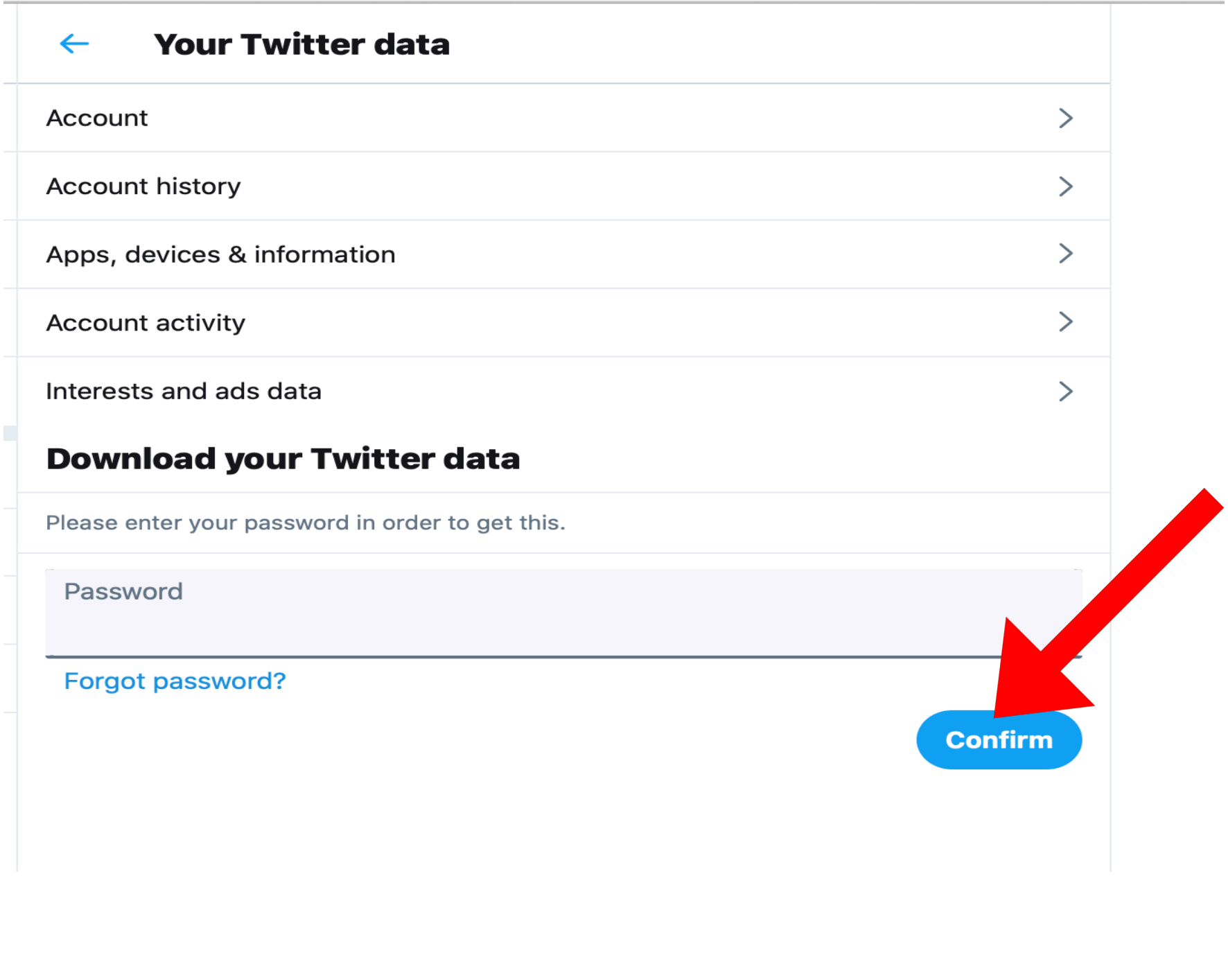
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