

Cybersecurity Basics

Adam Lewkowsky
Librarian II
Sherwood Public Library



Provided by AT&T and the Public Library Association.

Today's Agenda

- **Introduction**

- What is cybersecurity?

- **Skill Building**

- Recognizing a secure website
- Making passwords strong and memorable
- Recognizing and avoiding online scams

- **Tips and Tricks**

- **Practice**

Introduction

Why do we need to be **concerned about safety** when we're online?



- We share **personal information** that we want to keep **private**.
- Fraudsters may try to gain access.

Introduction (continued)

Cybersecurity:

Personal data is not accessible to others.



Devices work properly and are free from **malware**.



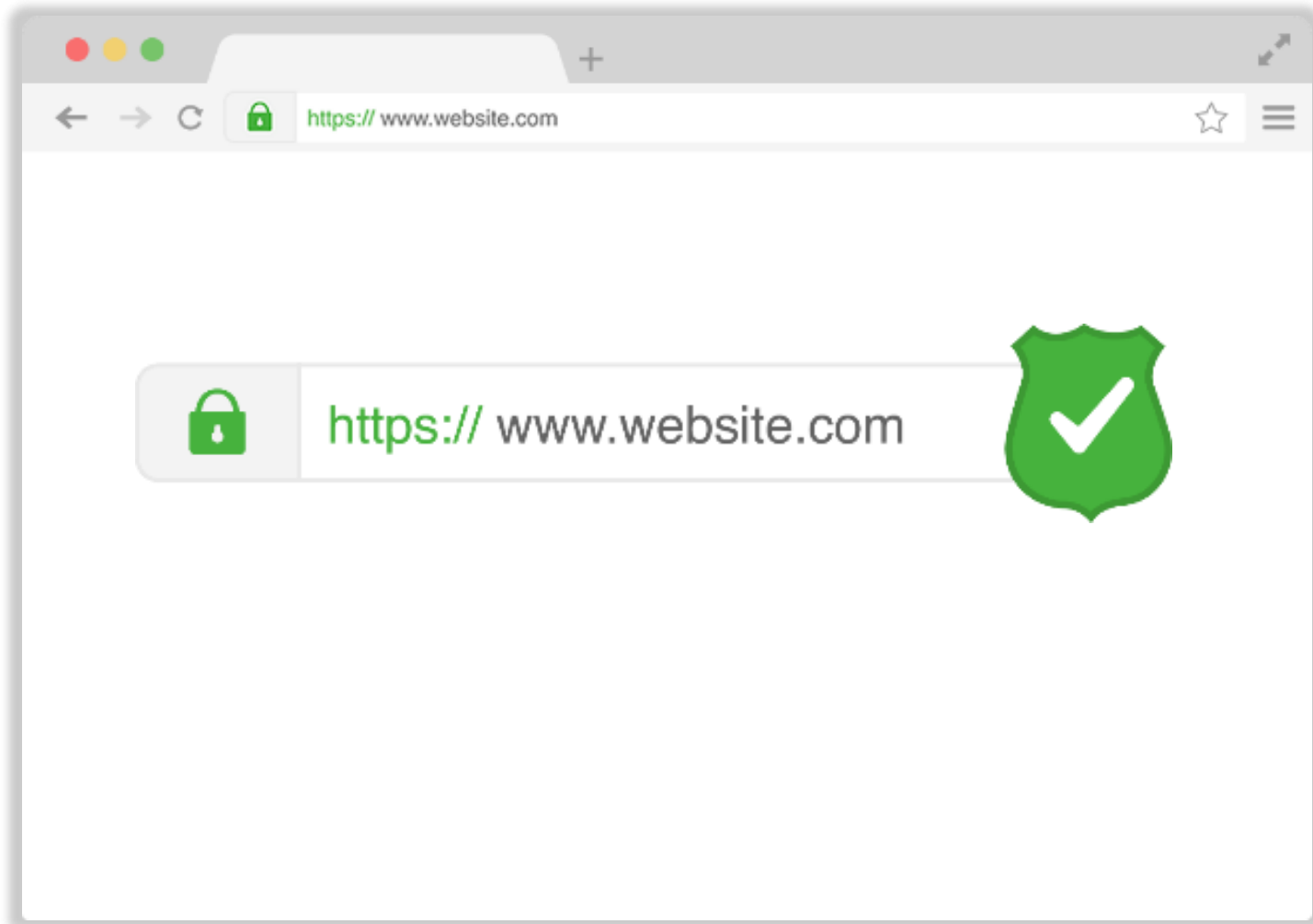
Secure Websites

Why does a website need to be secure?

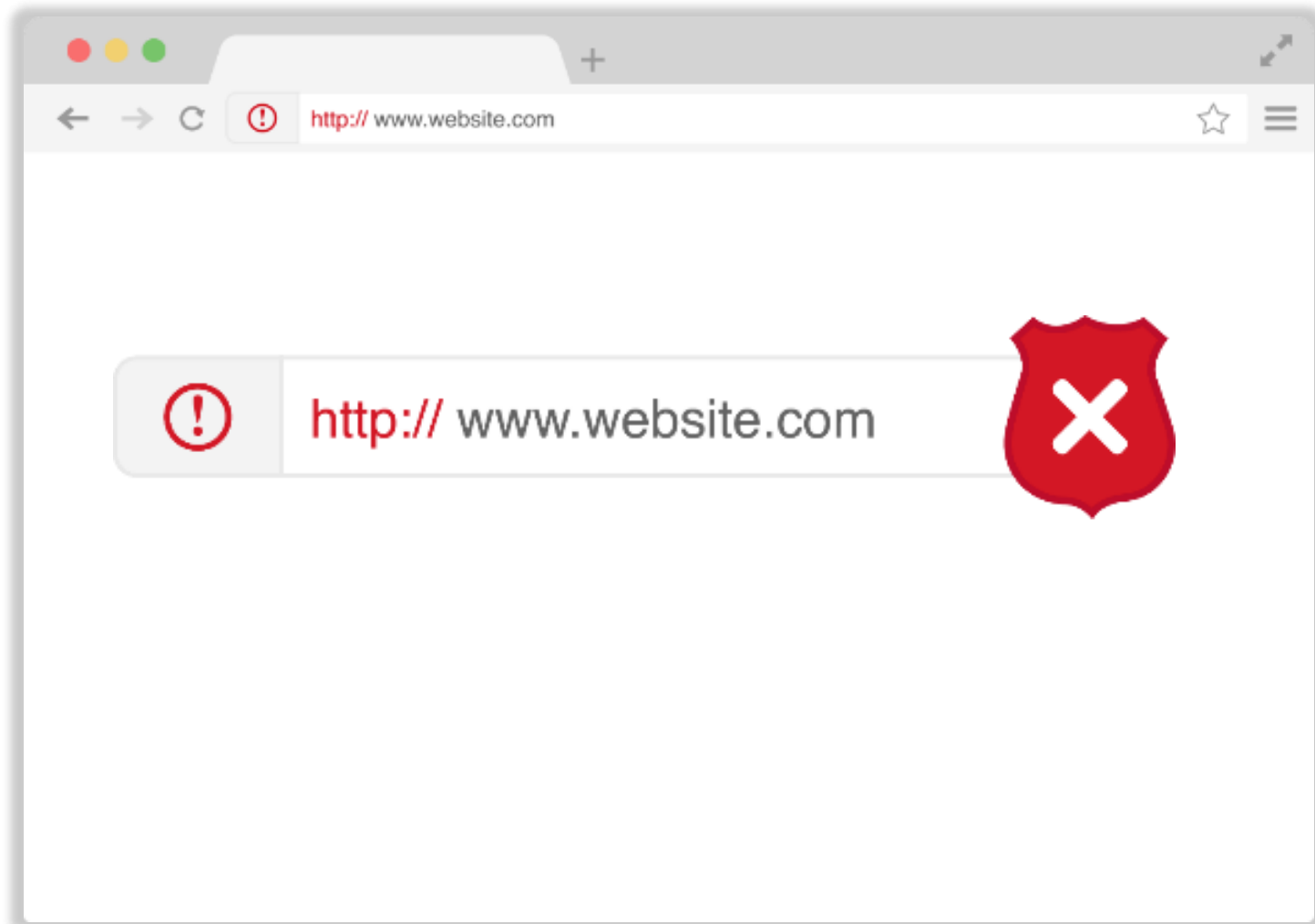
- If you're going to enter personal information, you want to keep your information safe.



Secure Websites (continued)



Secure Websites (continued)



Personal Accounts

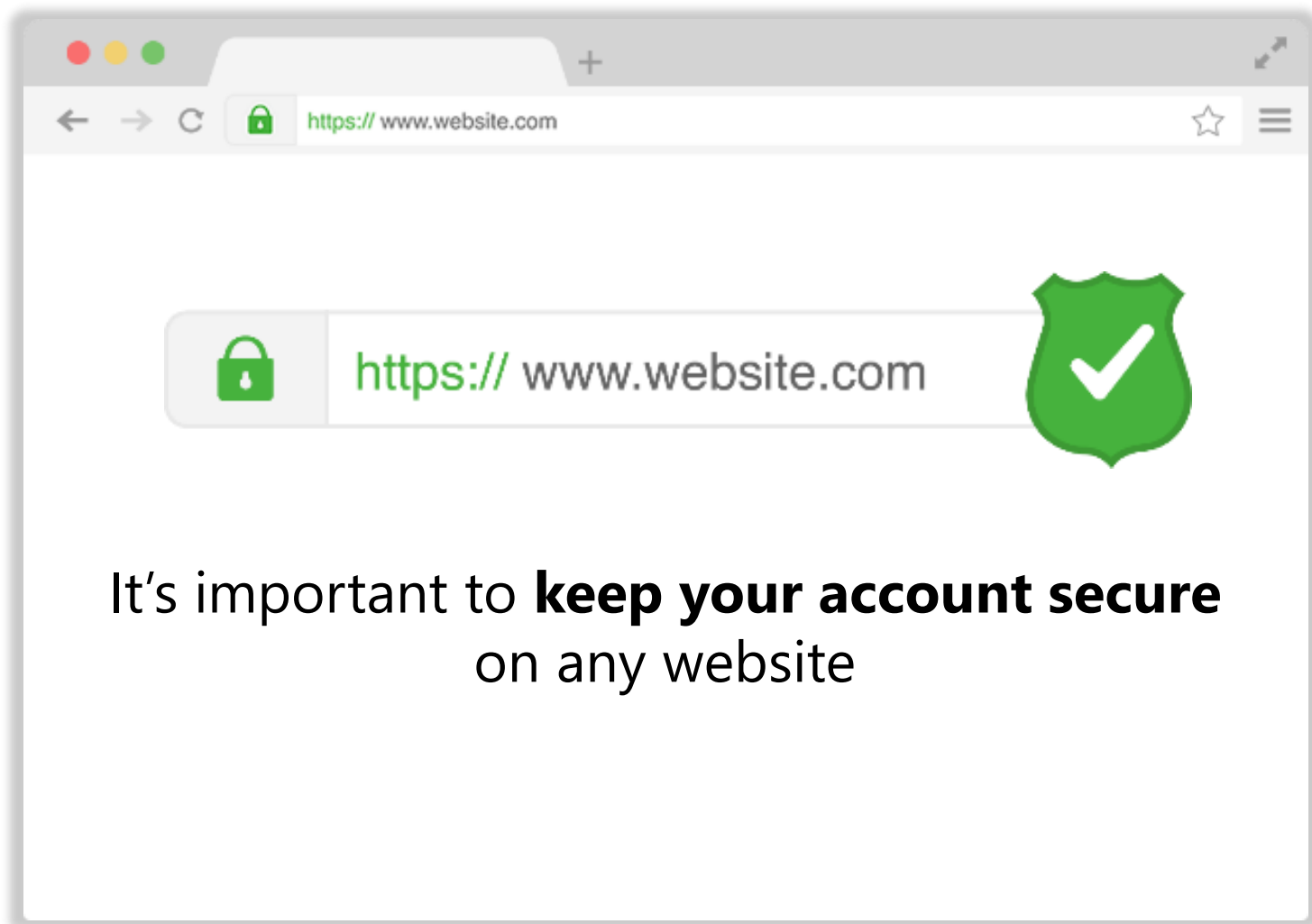
What kinds of online accounts have you created?

Why would someone create an account on a website?

- You create a personal account so your information is **accessible only to you.**



Secure Websites (continued)



It's important to **keep your account secure**
on any website

Activity # 1

ACTIVITY #1: Secure Websites

Use a Web browser to browse to a website you might use for shopping, banking, social media, or something else that interests you.

If you don't have your own computer, follow along with the instructor.

Website visited: _____

Is the website I visited secure? _____ yes _____ no

How did you determine that the website is secure?

1. _____

2. _____

Strong Passwords



A strong password is one that is **hard to guess**

Strong Passwords (continued)

How do you come up with a password?

How do you make it strong and secure?



Common Requirements

SIGN UP

[CREATE ACCOUNT](#)

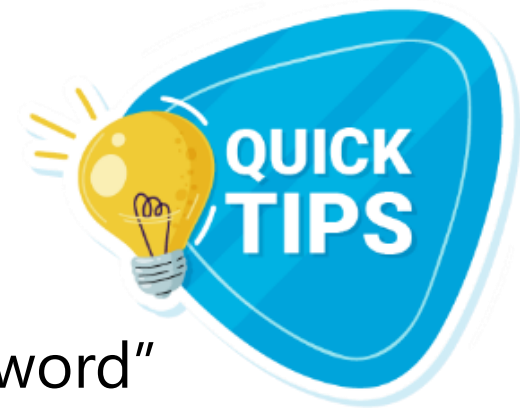
[Already have an account? Login here](#)

Password must be at least **8 characters** and contain the following: at least **one uppercase** and **one lowercase** letter and **one numeric** character.

Can usually include:

- Numbers
- Uppercase and lowercase letters
- Symbols, such as punctuation marks

Tips for Strong Passwords



- ✘ Don't use **common words** like "password"
- ✘ Don't include **personal information**
- ✘ Don't use the **same password** on multiple accounts and sites
- ✘ Don't share with others—keep them **private**

Tips for Strong Passwords (continued)

- ✓ Make the password **longer**



Hard to
remember

- ✓ Use short phrases that are easier to remember:

“cowshelpmakecheese”

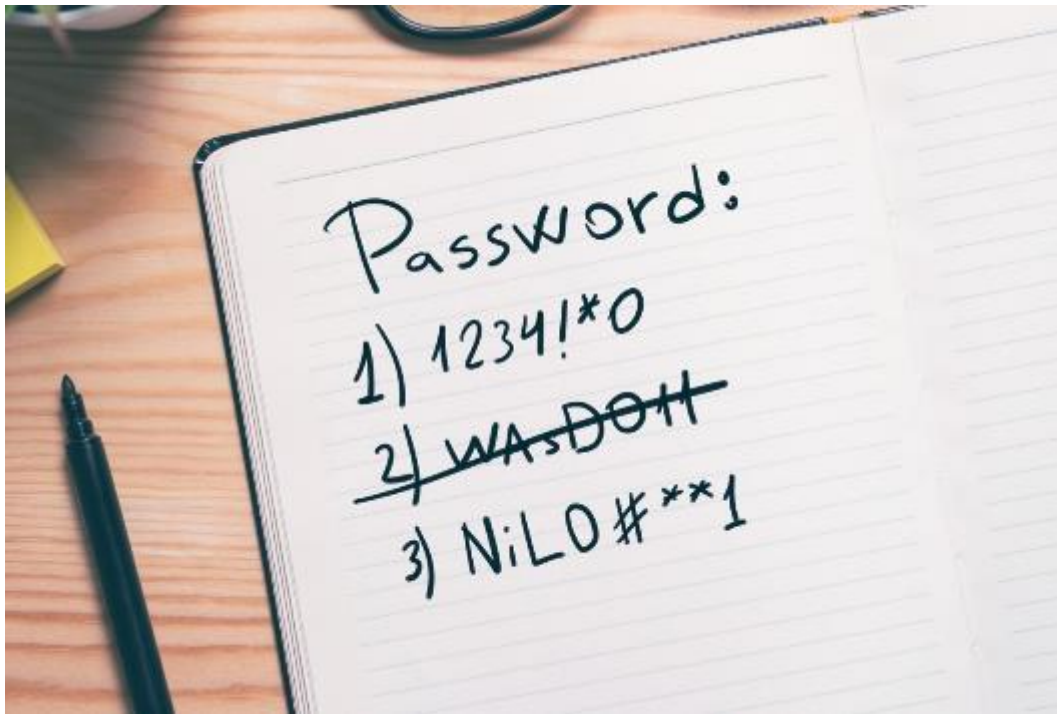
Keeping Track of Passwords

How do you remember your passwords?

1. Notebook
2. Password software
3. Phrase



1. Notebook



- * Store in a safe and secure place



Instead of writing the actual password, write something that helps you remember what the password is.

2. Password Software





3. Phrase




Activity # 2

SIGN UP

 Username

 Password

 Confirm Password

[CREATE ACCOUNT](#)

[Already have an account? Login here](#)

Password must be at least **8 characters** and contain the following: at least **one uppercase** and **one lowercase** letter and **one numeric** character.

Using the password requirements in the Sign Up form above, **create a strong password** that meets the criteria.

How can you make the passwords below more secure?

1. happybirthday _____

2. josephsmith _____

Passwords should be at least 12 characters long and contain one uppercase letter, one lowercase letter, one number, and one special character.

Remember: Longer passwords are stronger passwords.

3. 12345678910 _____

4. password1 _____

Passwords should be at least 12 characters long with no other character requirements. To make this a strong password, use a short phrase.

Remember: Longer passwords are stronger passwords.

Online Fraud and Scams

Cybersecurity:

Personal data is not accessible to others.



Devices work properly and are free from **malware**.



Online Fraud and Scams (continued)

Phishing



Social Engineering



Phishing



Phishing (continued)



Social Engineering



Online Fraud and Scams (continued)

What are some examples you've experienced?

How can you help to stay safe from fraudsters?



Tips to Recognize Scams



- ✓ Have you heard of the person or organization?
- ✓ Can you tell who the email message is from?
- ✓ Does the email have mistakes?
- ✓ Are they asking for your information?
- ✓ Are they trying to rush you into a quick action?
- ✓ Is it too good to be true?



Have you heard of the person or organization?

The image is a screenshot of the AT&T website. The browser address bar shows the URL <https://www.att.com/why-att>. The navigation menu includes links for Deals, Wireless, Internet, TV, Prepaid, and Business. A search bar contains the text "I'm looking for...". There are icons for a heart, a shopping cart, and links for Support and Account. The main banner features a woman smiling while looking at her smartphone, with the text "At AT&T, we're uncomplicating wireless." and the tagline "Staying connected should be easy. Now it is." Below the banner, there is a section titled "FAST. EASY. ONLINE." with the heading "Shop the way you want". This section includes a photo of a man talking on a phone while sitting at a laptop. A list of three bullet points follows: "✓ Shop online, with free shipping and returns.", "✓ Safe, secure, order online and pick up in-store or curbside today.", and "✓ Get help picking out the perfect device and plan".

At AT&T, we're uncomplicating wireless.

Staying connected should be easy. Now it is.

FAST. EASY. ONLINE.

Shop the way you want

- ✓ Shop online, with free shipping and returns.
- ✓ Safe, secure, order online and pick up in-store or curbside today.
- ✓ Get help picking out the perfect device and plan



Can you tell who the message is from?

Account Locked



Accounts <qlaod3z2f6reaji-mwv7cvcrp234pgry@googlegroups.com> 10:08 AM
to me ▾



Your PayPal Account has been temporarily restricted!

You were recently asked to take action on your PayPal account and it looks like we didn't receive the requested response.

Why is your account restricted?

We have found suspicious activity on the credit card linked to your account. You must confirm your identity that you are the owner of the credit card.

To maintain account security, please confirm and provide the documents for your identity.



What to do now?





Login to your account and complete the required steps.

[Log in to PayPal account](#)



Are they asking for your information?

Account Locked Inbox x  

 Accounts <qlaod3z2f6reaji-mwv7cvcrp234pgry@googlegroups.com> 10:08 AM   

to me ▾

Your PayPal Account has been temporarily restricted!

You were recently asked to take action on your PayPal account and it looks like we didn't receive the requested response.

Why is your account restricted?
We have found suspicious activity on the credit card linked to your account. You must confirm your identity that you are the owner of the credit card.

To maintain account security, please confirm and provide the documents for your identity.

What to do now?
Login to your account and complete the required steps.

[Log in to PayPal account](#)



Does the email have mistakes?

Account Locked

 Inbox x  



Accounts <qlaod3z2f6reaji-mwv7cvcrp234pgry@googlegroups.com> 10:08 AM
to me ▾

Your PayPal Account has been temporarily restricted!

You were recently asked to take action on your PayPal account and it looks like we didn't receive the requested response.

Why is your account restricted?

We have found suspicious activity on the credit card linked to your account. You must confirm your identity that you are the owner of the credit card.

To maintain account security, please confirm and provide the documents for your identity.

What to do now?

Login to your account and complete the required steps.

[Log in to PayPal account](#)



Are they trying to rush you into a quick action?

Action required | Regarding Your funds confirmation



<CashApp@pqg.promoallday.com>
to me ▾

10:08 AM



Cash App.

Congratulations!

We have been trying to reach you in order to deliver your
\$750 Cash app Gift Card

⚡ Expiring Soon : Complete the necessary steps and get
\$750 To Your Cash App Account

[Confirm-ASAP!](#)



Is it too good to be true?

Action required | Regarding Your funds confirmation



Inbox x



<CashApp@pqq.promoallday.com>
to me ▾

10:08 AM



Cash App.

Congratulations!

We have been trying to reach you in order to deliver your
\$750 Cash app Gift Card
⚡ Expiring Soon : Complete the necessary steps and get
\$750 To Your Cash App Account

Confirm-ASAP!

Activity # 3

[Action Required] [Unusual suspicious activity] Review your account



Inbox x



<tah-be4akh-.xzre2texacud78je9mck5092514030@buuuih5.com>

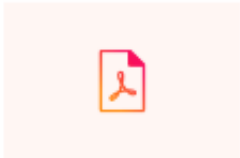
10:08 AM



to me ▾

Your Account update on on February 15, 2022.

Due to the large number of accounts coming in from palpability of account so the Pharmacy suspends the account service, we request that customers have to re-register debit cards and payment addresses so your account is verified on our servers. Please find the document attached and follow the on-screen instructions.



Pharmacy account...pdf

What are **four things** in this email that indicate a **scam**?

Dos and Don'ts to Avoid Scams



Don't


- ✘ Give any personal information
- ✘ Reply to or engage with the fraudster
- ✘ Click any links or buttons
- ✘ Download any files or attachments

Do

- ✔ Be skeptical
- ✔ Read emails carefully
- ✔ Look up information on your own




Don't give any personal information.

Amount to be paid 

Card details

CARD

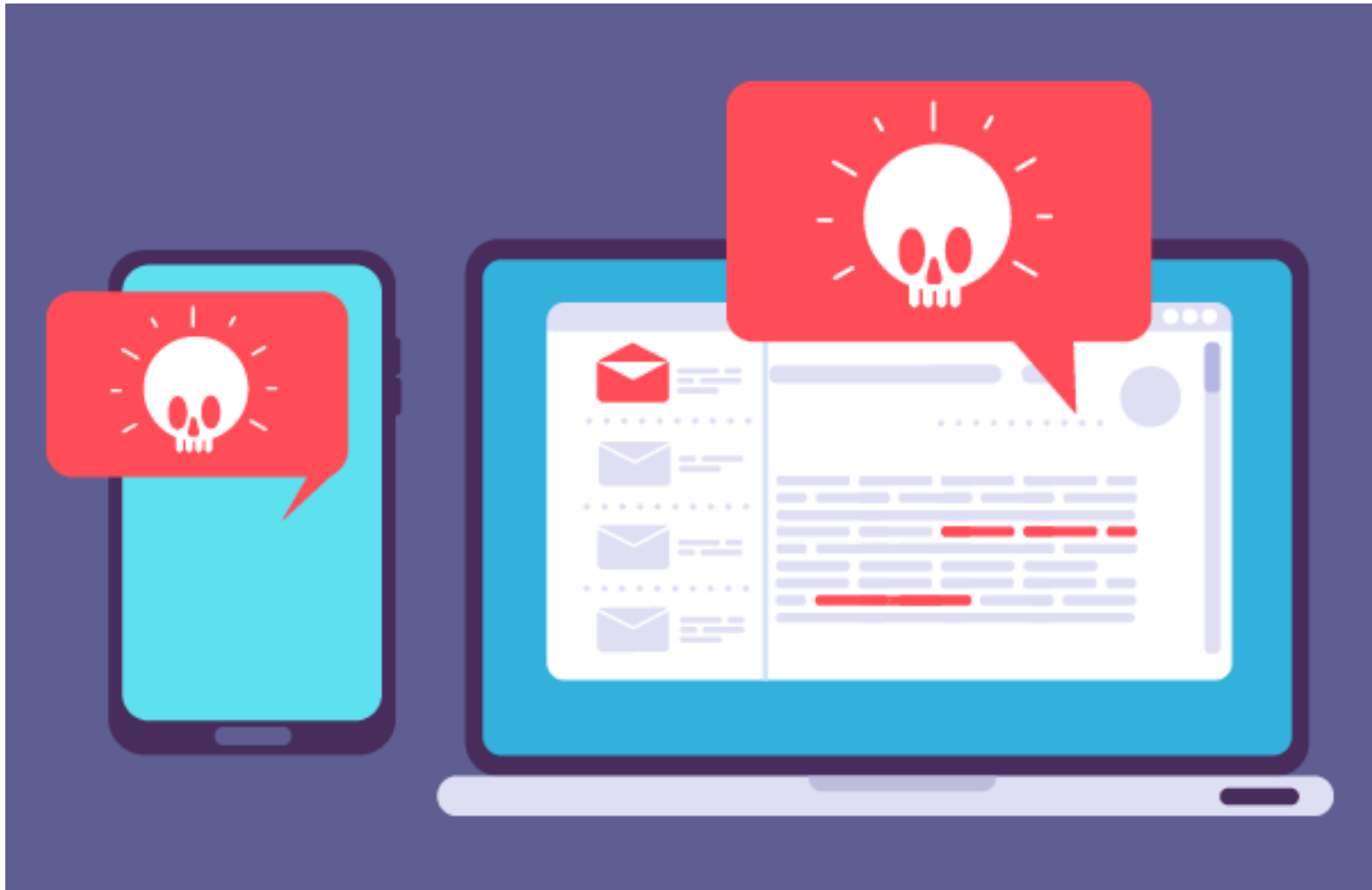
MM YY  CVV

Surname First name

PAYMENT



Don't reply to or engage with the fraudster.





Don't click any links or buttons.

The screenshot shows an email interface. At the top left, the subject is "Account Locked". On the right, there are icons for a yellow envelope, "Inbox x", a printer, and a share icon. Below the subject, the sender is "Accounts <qlaod3z2f6reaji-mwv7cvcrp234pgry@googlegroups.com>" and the recipient is "to me". The time is "10:08 AM". On the right side of the email header, there are icons for a star, a reply arrow, and a three-dot menu. The main body of the email contains the following text:

Your PayPal Account has been temporarily restricted!

You were recently asked to take action on your PayPal account and it looks like we didn't receive the requested response.

Why is your account restricted?
We have found suspicious activity on the credit card linked to your account. You must confirm your identity that you are the owner of the credit card.

To maintain account security, please confirm and provide the documents for your identity.

What to do now?
Login to your account and complete the required steps.

At the bottom center, there is a blue button with the text "Log in to PayPal account".



Don't download any files or attachments.

[Action Required] [Unusual suspicious activity] Review your account



Inbox x



<tah-be4akh-.xzre2texacud78je9mck5092514030@buuuih5.com>

10:08 AM



to me ▾

Your Account update on on February 15, 2022.

Due to the large number of accounts coming in from palpability of account so the Pharmacy suspends the account service, we request that customers have to re-register debit cards and payment addresses so your account is verified on our servers. Please find the document attached and follow the on-screen instructions.



Pharmacy account...pdf



Do be skeptical.





Do read emails carefully.

The screenshot shows an email interface. At the top left, the subject is "Account Locked". On the right, there are icons for a yellow envelope, "Inbox x", a printer, and a share icon. Below the subject, the sender is "Accounts <qlaod3z2f6reaji-mwv7cvcrp234pgry@googlegroups.com>" and the recipient is "to me". The time is "10:08 AM". On the right side of the email header, there are icons for a star, a reply arrow, and a three-dot menu. The main body of the email contains the following text:

Your PayPal Account has been temporarily restricted!

You were recently asked to take action on your PayPal account and it looks like we didn't receive the requested response.

Why is your account restricted?
We have found suspicious activity on the credit card linked to your account. You must confirm your identity that you are the owner of the credit card.

To maintain account security, please confirm and provide the documents for your identity.

What to do now?
Login to your account and complete the required steps.

At the bottom center, there is a blue button with the text "Log in to PayPal account".



Do look up information on your own.



Activity # 4

How do you know that a website is **secure**?
Click on the area that shows the site is secure.

The screenshot shows a web browser window with the following elements:

- Browser Tab:** "Find a Job | CareerBuilder" with a close button (x) and a plus sign (+).
- Address Bar:** "https://www.careerbuilder.com" with a lock icon on the left and a grid icon and a star icon on the right.
- Header:** "CareerBuilder®" logo on the left, followed by navigation links: "Jobs", "Salaries & Advice" (with a dropdown arrow), "Recommended Jobs", and "My Messages". On the far right, the user name "Dennis" is displayed with a dropdown arrow.
- Main Content Area:**
 - Left Column:**
 - Text: "Find your next job, fast. Search by skills. View salaries. One-click apply."
 - Search Form: Two input fields. The first is labeled "Job Title, Skills or Military C" and the second is labeled "City, State or Zip" with a location pin icon. A green "Search Jobs" button is to the right.
 - Links: "Post a Job" with a right-pointing arrow, and a checkbox labeled "Work from Home/Remote".
 - Right Column:**
 - Text: "Make your search *easy*."
 - Section Header: "Upload Your Resume"
 - Text: "Don't have a resume? Build one in 3 steps."
 - Button: "Upload/Build Resume" in a blue rounded rectangle.
- Feedback:** A vertical "Feedback" button is located on the right edge of the page.

Which of these passwords is **most secure**?

Password

1MapleStreet

cowshelpmakecheese

asdfghjkl

Which is the **best option** to remember your password?

Notebook stored in a safe place

Sticky note on computer

Use your first and last name

What are **three things** that indicate this is a **scam**?

From: The Pharmacy
Date: July 5, 2021 at 8:22:34 AM CDT
Subject: Pharmacy Points Expiring

Important Message for The Pharmacy Cardholder

To be sure you keep all of your points that you have accumulated over the last year shopping at The Pharmacy, you. Must visit the link below to start using your points now or you will loose them!

[Go here right now to confirm your Pharmacy Points!](#)

What are **three things** that indicate this is a **scam**?

From: david john davidjoh123@geek.com
To: ALbert
Date: July 5, 2021 at 8:22:34 AM CDT
Subject: Tech Support Update

Adorable Member,

Your request for the auto renewal of Tech Support has been preceded successfully. This renewal service starts at \$566 USD for the next 2 years of protected service.

Installation Id: 123FFG

Installed Software: Tech Support - Software Installation

Date of Request: 5 July 2021

Ends on: 2 years later

Total Amount: \$566 USD

If you have any questions, we are hear for you.

TECH SUPPORT

You receive an email telling you you've won a prize.
You think it is spam. **What should you do?**

Reply and tell the sender to stop emailing

**Click the link to visit the website
to see if it's trustworthy**

Click "Unsubscribe"

Put it in your Spam folder or ignore it

Questions

Anything you want to ask or clarify before we end?



Congratulations!

Today you . . .

- learned about cybersecurity.
- built skills to:
 - recognize a secure website.
 - make passwords strong and memorable.
 - recognize and avoid online scams.
- discovered useful tips to help you stay safe online.

Today's training is provided by AT&T
and Public Library Association.

Visit sherwoodoregon.gov/library and
digitallearn.org
for more courses and to build confidence using
technology.



Provided by AT&T and the Public Library Association.

Thank you for coming!



Provided by AT&T and the Public Library Association.