



TECHNOLOGY CAMP

Identity & Social Engineering

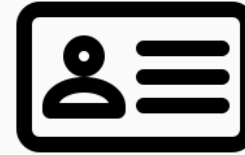
Day 1 : Session 2

- Your real identity
- Online identity may be vulnerable
- Simple things to protect yourself
- Importance of protecting
 - *Real identity*
 - *Digital identity*



Identity

- Define Identity (Personal & Virtual)
 - *Drivers License, SSN*
 - *Gaming handle, Instagram*
- What is Identity Theft?
- What are common online phishing Scams
- How to secure your Identity?
- Is your identity safe?



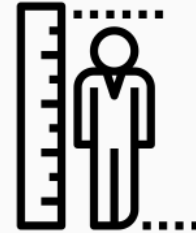
Your Legal Identity

- First Name, Middle Name, Last Name
- Maiden Name
- Social Security Number
- Home Address / Phone number



Your Personal Identity

- Height
- Weight
- Gender
- Color of eyes / hair
- Distinguishing marks



Identity Documents

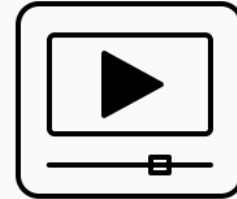
- Social Security Card / Number
- Drivers' License / ID Card
- Passport
- Birth Certificate
- Credit Cards / Property Deed



Don't Become a Victim of ID Theft

Let's watch it

- <https://www.youtube.com/watch?v=Fztuohj3Fck>
- *Teacher materials: video-1.2.1*



What is virtual identity?

...is a social identity that an Internet user establishes in online communities and websites. It can also be considered as an actively constructed presentation of oneself.



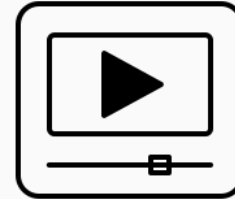
What is a virtual identity?

- Internet Identity / Internet Persona
- Email address
- Facebook, Instagram, SnapChat
- XBOX / PlayStation GamerTag
- Social Groups
- Deception



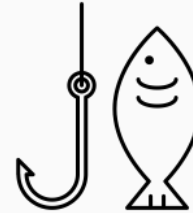
Manage your online reputation

- Let's watch it
 - <https://www.youtube.com/watch?v=w7qEbPVw3hA>
 - *Teacher materials: video-1.2.2*
- What is geo-tagging?



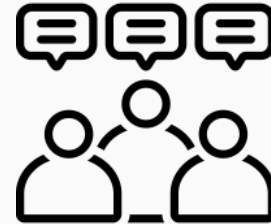
Impersonation

- Catfishing
- Creating fake online profiles
- Fake photos
- False information
- Influence media for gains



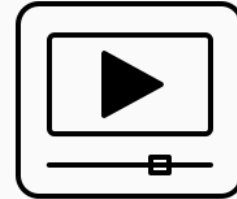
What is Social Engineering

Social engineering is the non-technical cracking of information security (IS). It applies deception for the sole purpose of gathering information, fraud or system access. The more information available, the greater the potential for social engineering

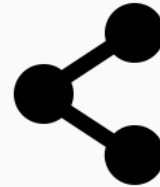


What is Social Engineering

- Animation
- Lets watch it:
 - <https://www.youtube.com/watch?v=CLinev3eNc8>
 - *Teacher materials: video-1.2.3*

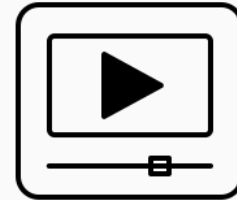


- Information we share can make us vulnerable to Social Engineering attacks.



6 Degrees of Information

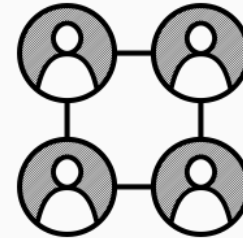
- Leaving digital footprints for others
- Lets watch it:
 - <https://www.youtube.com/watch?v=GYHbanR3EiU>
 - *Teacher materials: video-1.2.4*



Counting Connections

- How often do you check social media / day?
- How often do you post on social media?
- What social media services do you use?
 - *Which ones do you use most often?*
- How many friends/followers are you connected to?
 - *How many more people are they connected to?*

Is it possible to be TOO connected?



Data Sources

- Pictures
- Posts
- Check-ins / location tags
- Friend tags / accounts
- Connected Accounts



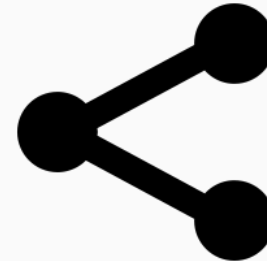
Discovering Personal Information

- Locations / Vacations
- Hobbies & Interests
- Personal Details (birthday, schools, jobs, clubs, pets)
- Secondary Info (details about friends, family)
- Other ideas?



Protecting Personal Information

- Customize social media privacy settings
- Decide on each item you share (post security controls)
- Decide on how much profile info to provide
- Check the background of your photos
- Other ideas?



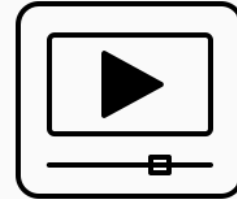
Introduction

- Attempt to obtain data from Internet users
 - *Financial*
 - *Confidential*
- Done by sending emails with links to:
 - *Fake websites*
 - *Website replicas*



Phishing Prevention in 2 minutes

- Fake emails, fake websites, replicas
- Lets watch it:
 - <https://www.youtube.com/watch?v=FZp4mBtJBNQ>
 - *Teacher materials: video-1.2.5*



What is Phishing?

- An attempt to steal login credentials or other private information by impersonating a trusted source
- Phishing can happen via email, text, or almost any other form of communication (including phone calls and in person)
- Even if you don't provide information, opening an infected attachment in a phishing email may infect your computer and result in data theft or loss



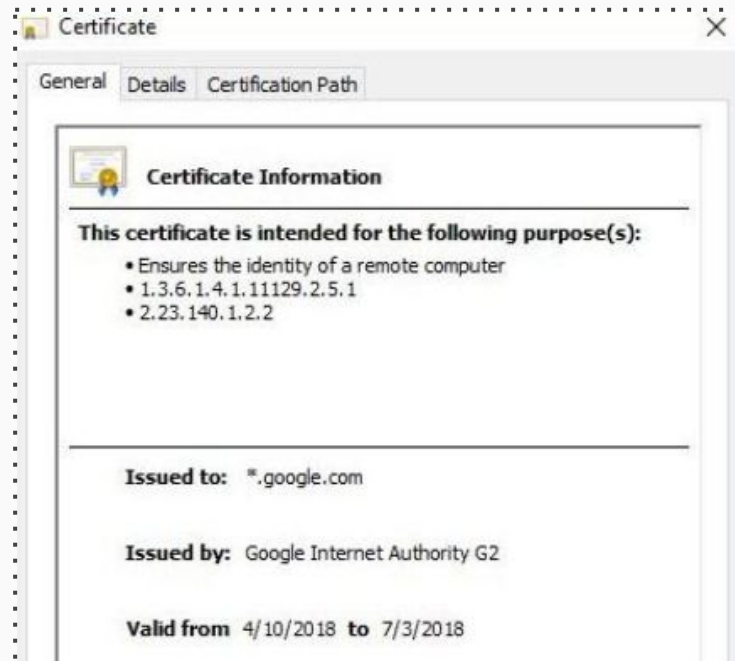
Some things to look for

- Is the URL spelled correctly?
- Do the links in the text match the hover over link?
- Does the top level domain match what you would expect?
- Is all of the contact information accurate and specific?
- Is the text well formatted and professional?



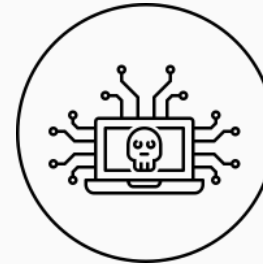
Some things to look for

- Secure Certificates
- HTTPS://
- Valid Certificate

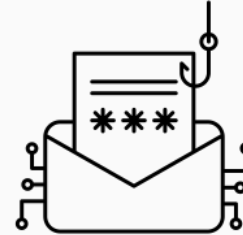


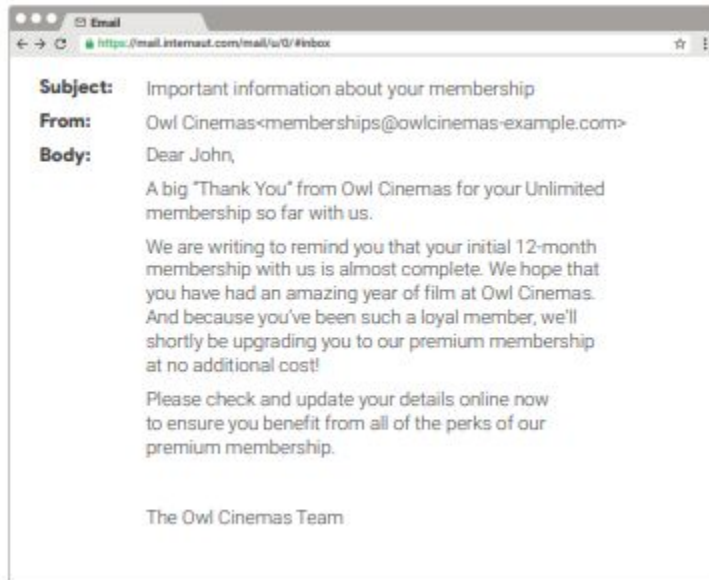
Worst Case Scenario - You took the bait!

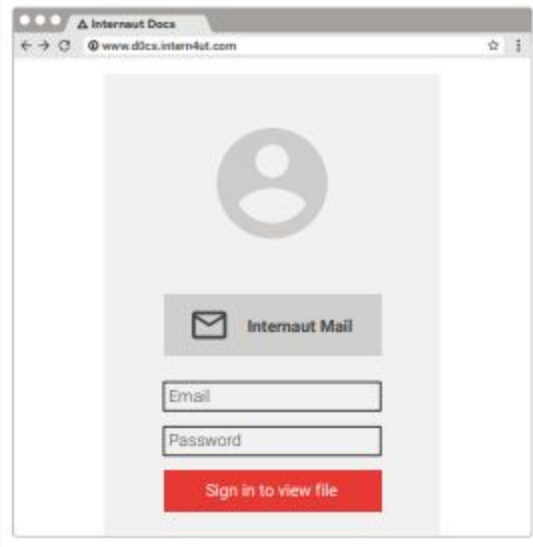
- DO NOT PANIC – Knowing there is a problem is the first step in solving it.
- Inform a responsible adult right away – fast action can minimize risk of harm
- Change passwords
- If you think your contact or friend information has been taken, let friends know so they can be on the lookout
- Report it to appropriate service providers

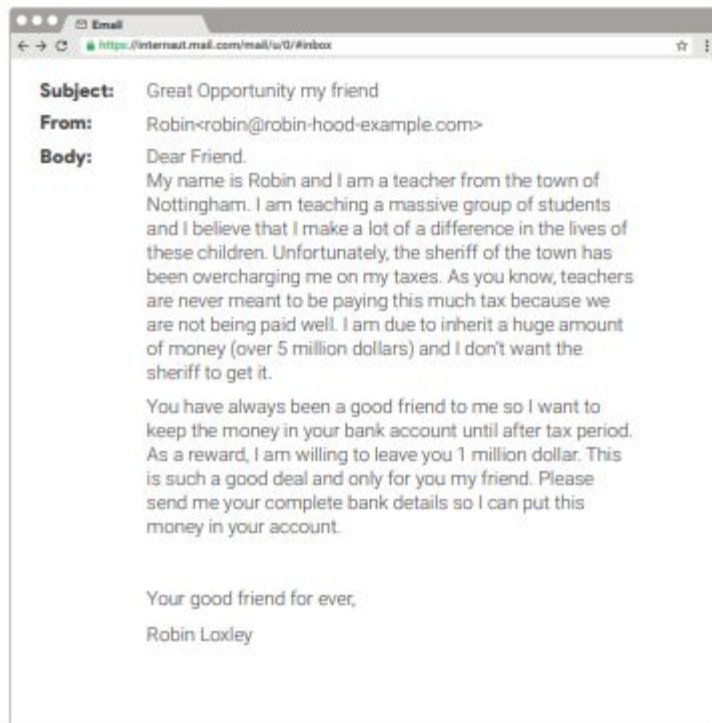


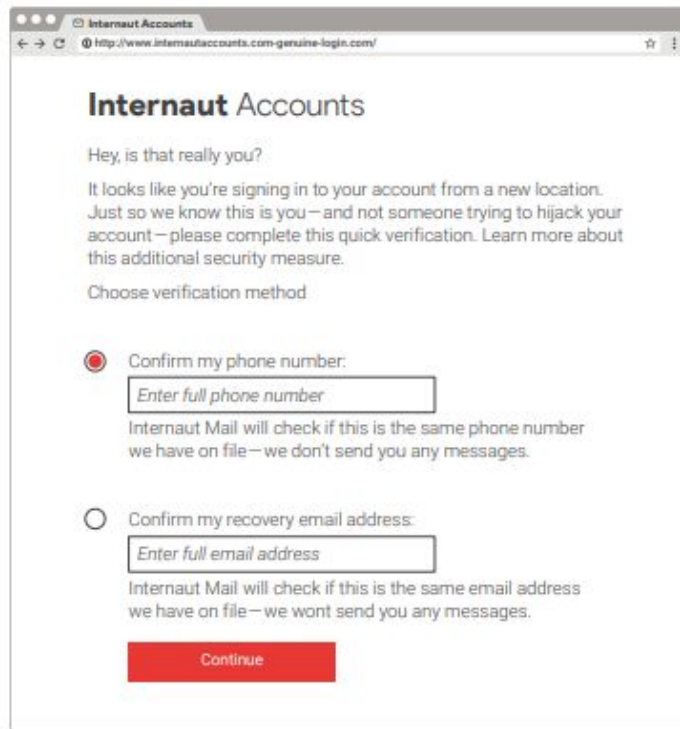
Find the Phishing











The screenshot shows a web browser window with the title 'Internaut Accounts' and the URL 'http://www.internautaccounts.com-genuine-login.com/'. The page content includes a greeting 'Hey, is that really you?', a warning about signing in from a new location, and a request to complete a quick verification. Two verification methods are offered: confirming a phone number (selected with a red radio button) or confirming a recovery email address. Each method has a corresponding text input field and a brief explanation of the verification process. A red 'Continue' button is at the bottom.

Internaut Accounts

Hey, is that really you?

It looks like you're signing in to your account from a new location. Just so we know this is you – and not someone trying to hijack your account – please complete this quick verification. Learn more about this additional security measure.

Choose verification method

☒ Confirm my phone number:

Internaut Mail will check if this is the same phone number we have on file – we don't send you any messages.

☐ Confirm my recovery email address:

Internaut Mail will check if this is the same email address we have on file – we wont send you any messages.

Continue

What we learned...

- Protect, protect, and do it again
- Name, address, SSN, ID cards
- Credit-cards, bank statements
- Online Identity is YOU
- Be careful what you say online
- Online reputation is important
- Share Smart
- Fakes & Phishing

