[Pizza Heist]

Authenticating Network..
Loading Files..
Importing Servers..

An Introduction to Pizza Heist

A hacker themed simulator game that teaches cybersecurity basics.

Technology

- Unity & Visual Studio Code

Topics

- Password Security, Phishing, and Viruses

An Introduction to Pizza Heist Cont.

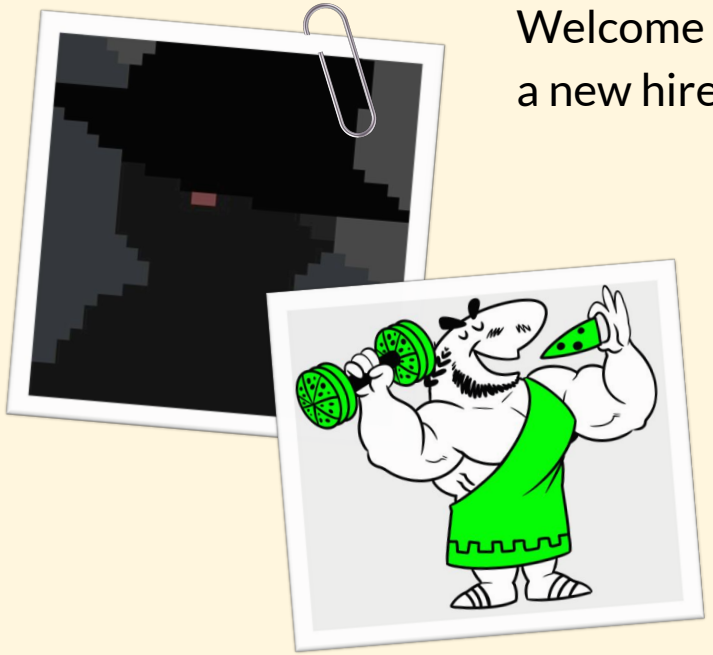
Unity

- User Interface
- Game Object (Enemies and Towers)
- Scripts & Functionality (C#)

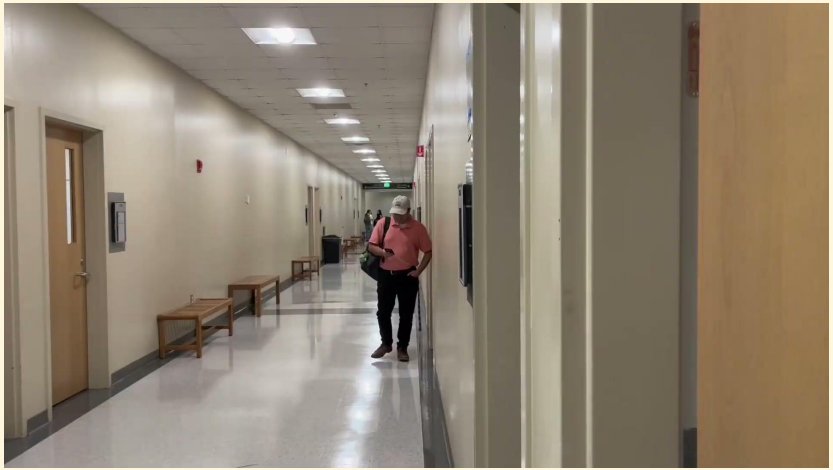
Visual Studio Code

- Scripts and Code Editor

Mission Report



Welcome to your first day on the job where you will be playing as a new hire at Big Caesars in their cybersecurity department.



STEC 4800: TAP

Technology Ambassador Program

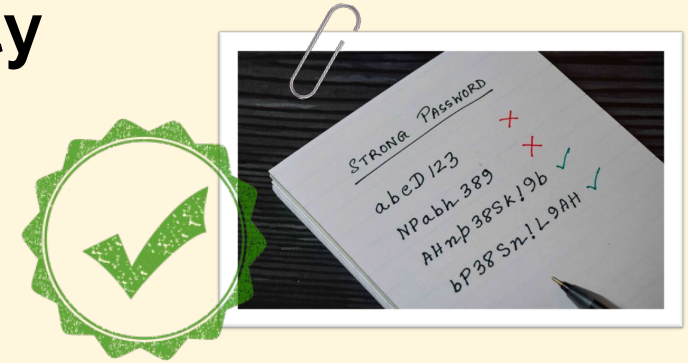
- Aims to increase the number of students pursuing Information Technology (IT) majors & minors
- Students develop projects using the technology of their choice and participate in outreach service learning events

Goals

1. This study aims to educate middle school, high school, and college students about the existence of malicious entities and how to prevent their data from being breached

2. Create a learning space along with a fun and entertaining environment.

Password Security



Why do you need a secure password?

- Identity Theft
- Sensitive Information
  - Full name, birthday, home address, etc.

What makes a secure password?

- Using a combination of uppercase and lowercase letters, numbers, and symbols
- At least 12 characters
- Avoid using common dictionary words, names, and personal information

How to keep it secure?

- Don’t share it with friends or family
- Never send a password via email, instant message, or any other forms of communication that is not secure
- Use a unique password for different accounts

Password Examples

Unsecure Passwords

- AgentPepperoni
- Towerdefense

Secure Passwords

- AgentP3pperoni#47
- d@nnyPlaysT0werDef6

Account Log In

Username

- Give yourself a user or codename

Password

- Create a secure password using the requirements
- You will get an error message notifying you what your password still needs

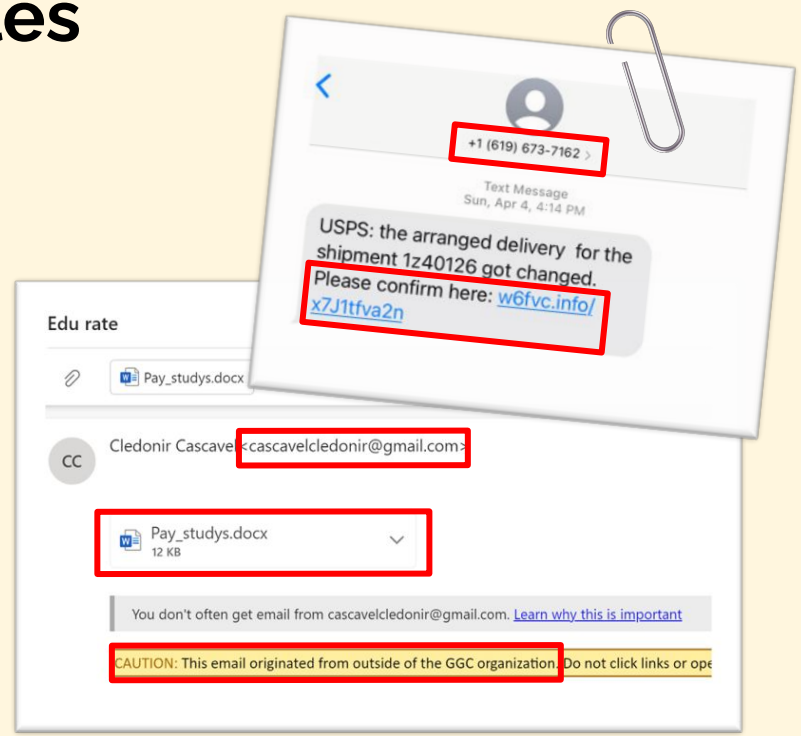
Phishing

Fish? No, Phish!!

- When hackers impersonate reputable companies in order to steal data and sensitive information
- Most commonly found in emails, suspicious websites, phone calls/texts

The sneakiest way to steal your data, install malware, or just mess around with you and do damage!

Phishing Examples



Identifiers

- Suspicious links/files
- Lack of content in emails
- Unknown contacts
- Incorrect grammar and punctuation

Remember

- Were you expecting a message from that person/organization?
- If it's too good to be true, it probably is
- If you're worried, contact that person/organization through their known forms of contact

Spot The Difference: Find the *FAKE* URL

www.amaz0n.com OR www.amazon.com

www.steamcommunity.com OR www.steamconnnunity.com

www.roblox.com OR www.roblox.com

Phishing Game

To be scammed or not to be?

- Boss wants you to sort through the shop's email
- Some emails are phishy and some are not
- Read all elements of the email carefully

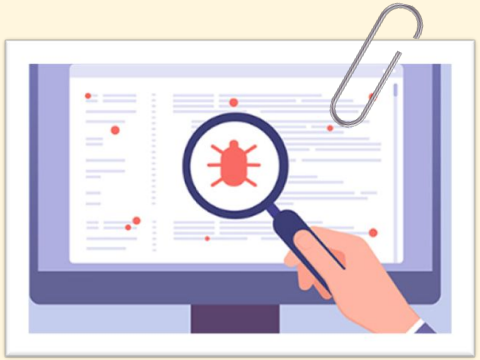
Goal of the game:

- Clear out the inbox and correctly mark all the phishing emails to continue

Viruses and Anti-Viruses

What are viruses?

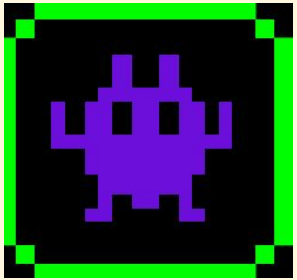
- Viruses are a type of malicious software (malware) designed to attack and execute harmful actions, such as corrupting data, stealing personal information, or disrupting system operations.



What are Anti-Viruses?

- A program designed to detect, prevent, and remove malicious software (malware) from computers and networks
- It protects systems by scanning files, monitoring system behavior, and identifying known malware signatures

Viruses



Malware

A common form of viruses that attack your system in order to gain access to information you have.

Worm

Are commonly self-replicating viruses that spreads itself across the internet. This kind of virus targets the internet in order to gain access to computers.

Denial-of-Service (DoS)

A type of cyber attack aimed at making a network service unavailable to its intended users by overwhelming it with a flood of illegitimate requests or generating traffic.

Viruses

Trojan Virus

A type of malicious software that disguises itself as something legitimate or harmless to trick users into downloading and executing it.

Ransomware

A malicious software that encrypts a victim's data or locks them out of their system, demanding a ransom payment to restore access.

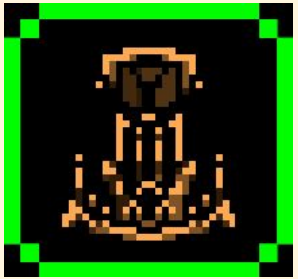
Defenders

Malware Antivirus

Designed to detect, prevent, and remove malicious software (malware) from computers. This is the most basic line of security.

Backup

A copy of data or files stored separately from the original. Used to restore information in case of data loss, corruption, or system failure.



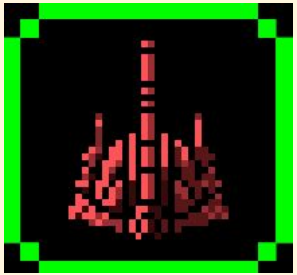
Firewall

A security software that blocks and slows down viruses from breaching into a computer and its network.

Defenders

Network-Based Antivirus

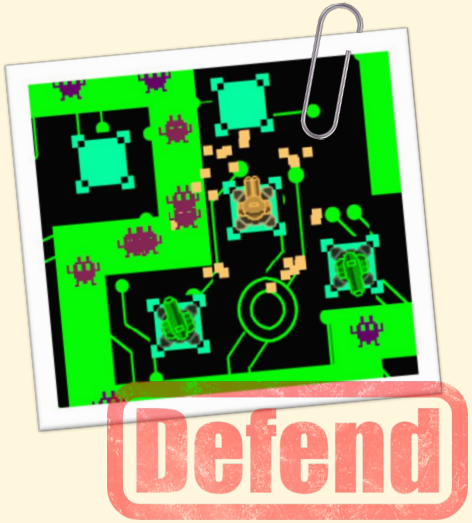
A security solution that scans and protects a network and any connected devices from malware and worms.



Intrusion Detection System (IDS)

A security tool that monitors network or system activities for suspicious behavior or policy violations. It identifies potential security breaches, such as unauthorized access or attacks.

Virus Tower Defense



What is Virus Tower Defense?

- A tower defense mini-game that simulates a friendly understanding of the different types of viruses and how to deal with them.
- The game creates challenging levels that requires players to use different features and aspects in order to overcome the game.

Goal of the game:

- To create something fun and unique to showcase and create awareness for the different viruses and antivirus.

Game Walkthrough

Logging In

Username

Password

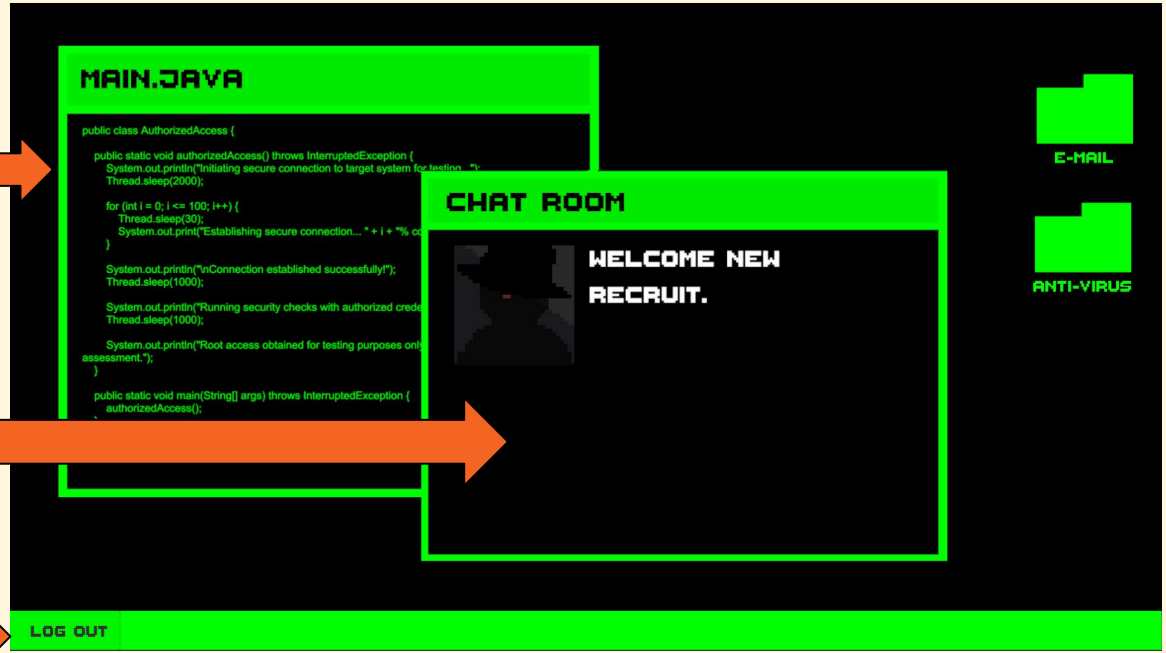
Log In Button

Error Message

Desktop

E-Mail Folder

Some Cool Looking Code



Chat Room

Anti-Virus Folder

Log Out

Phishing Game

Email Details

Inbox Pane

Phishing Buttons

Start

Lives

Phishing Game (Incorrect Choice)

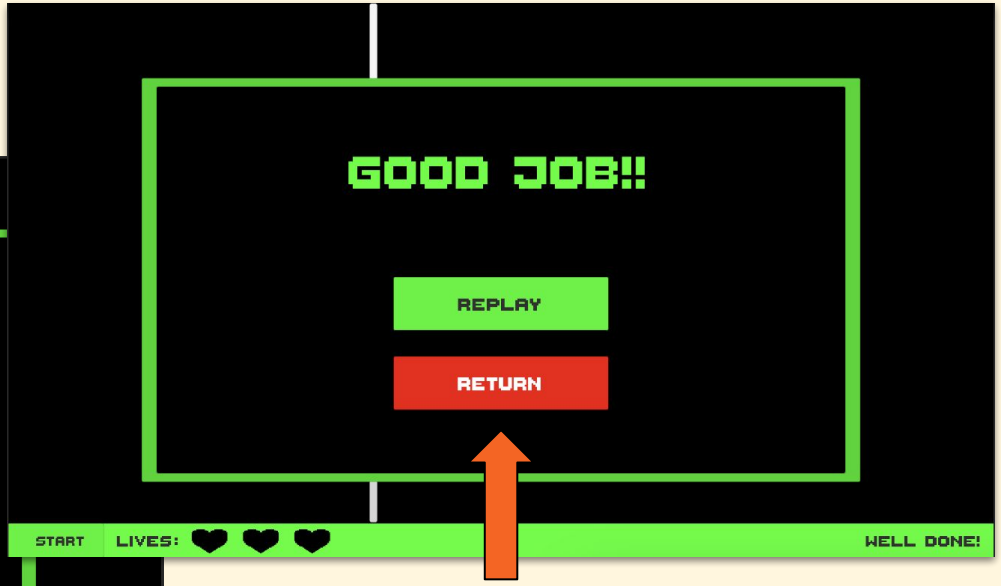
Boss will explain if you miss label an email!

Read Carefully!

Lose a Life

Phishing Game (Endings)

If you lose all 3 lives, your account is compromised!



Clean out the inbox to move on!

Phishing Game (Extra Tip)

Profile & Domain

Restart Minigame

Replay Instructions from Boss

Don’t press if you want to make the Boss angry

Start button

If you ever get stuck, open the start menu!

Virus Tower Defense

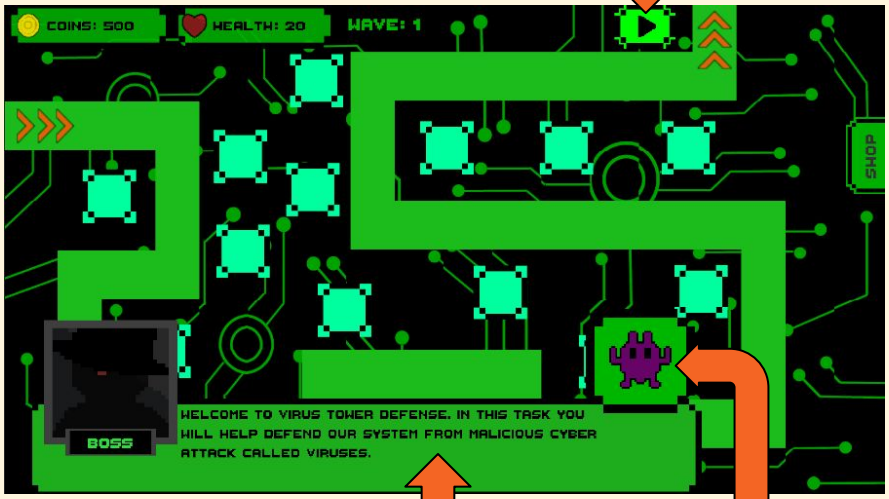
Coins

Health

Wave #

Click to start the game

Start Wave Button



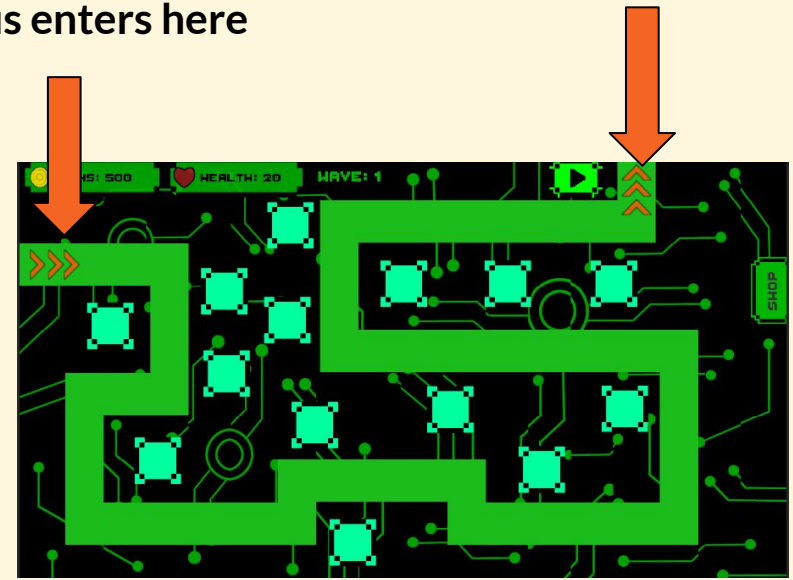
Pay attention to details prompted

Virus Image

Virus Tower Defense

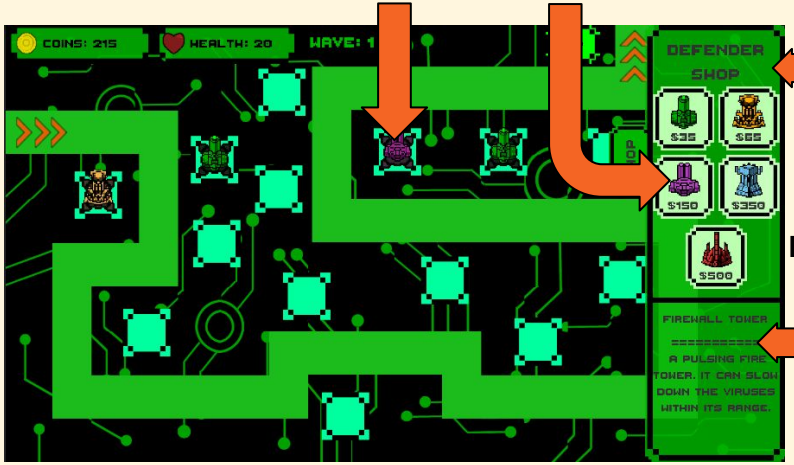
Virus enters here

Virus leaves here



Drag turrets to the placeholders

Tower Shop



Tower Description

Don’t let the virus reach the end or else it will deplete your health!

[Let’s Play]

Rebooting Computers..
Importing Files..
Loading Pizza Heist..

How To Get To Pizza Heist

1. Go to **itch.io**
2. Search **Pizza Heist**
3. Game should be first result!

URL: danielto29.itch.io/pizza-heist

[Thank You]

Loading End Scene..
Asking Questions..
Inquiring Comments..