[Pizza Heist]

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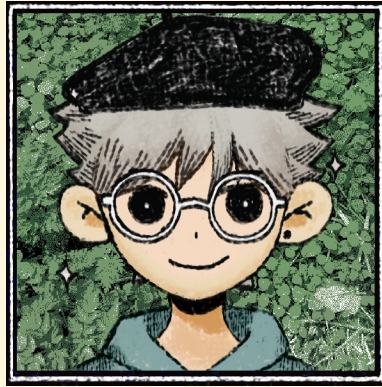Loading Files..
Importing Servers..

Meet The Team

Brian Cazares
aka
Agent Pineapple

Daniel To
aka
Agent Meatball

Nikki Thao
aka
Agent Supreme

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

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. Use of active learning to teach students how to stay safe in the digital world
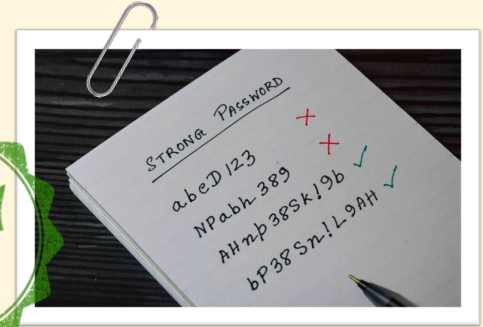
Password Security

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

● ilovetap

AgentPepperoni

towerdefense

Secure Passwords

iLoveT@p24

AgentP3pperoni#47

j@nedoePlaysT0werDef6

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 most sneaky way to steal your data, install malware, or just mess around with you!

Phishing Examples

Identifiers

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

Remember

W ere 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
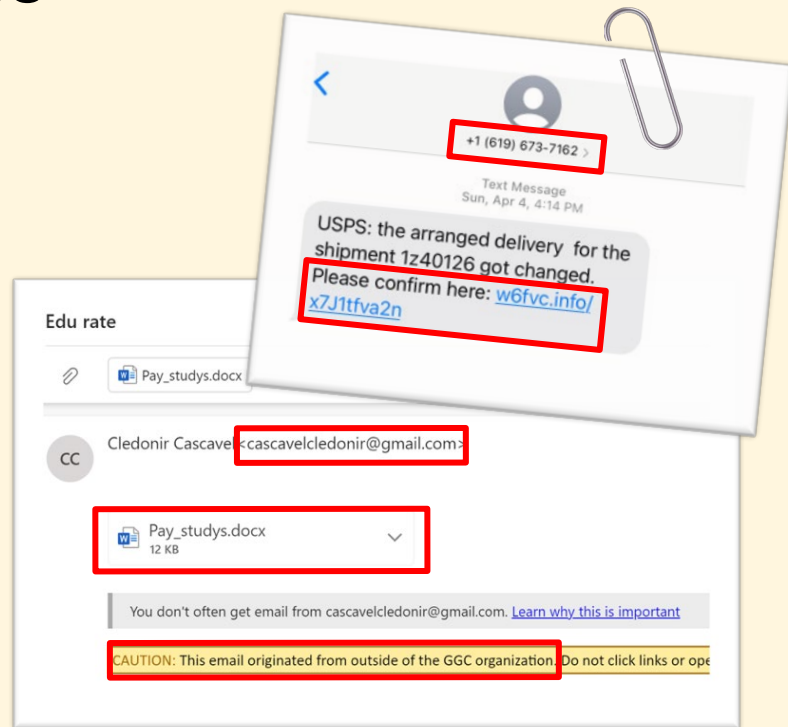
Spot The Difference: Find the real URL

www.amaz0n.com OR www.amazon.com

www.steamcommunity.com OR www.steamconnnunity.com

www.robllox.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
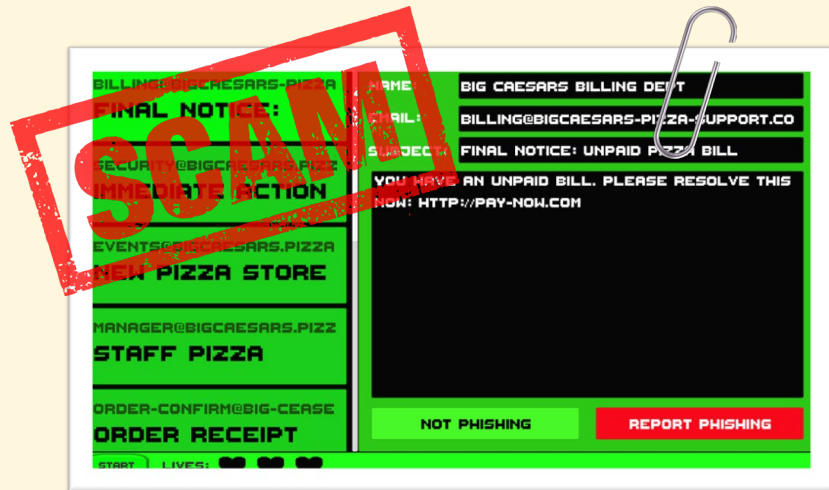
Viruses and Anti -Viruses

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
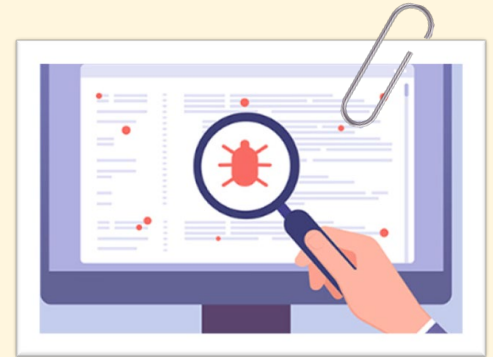
Virus Tower Defense

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.
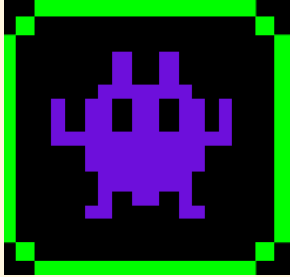
Goal of the game:

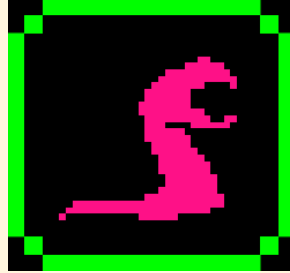To create something fun and unique to showcase and create awareness for the different viruses and antivirus.
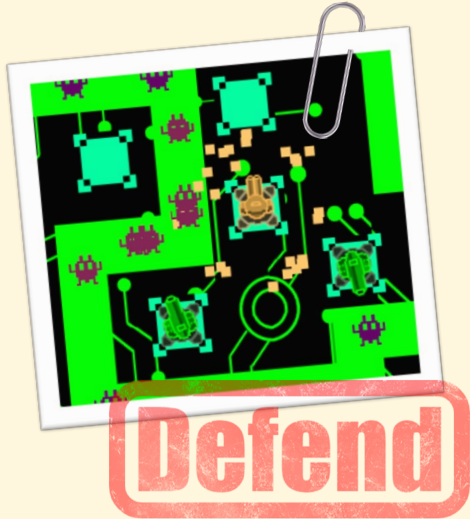
Viruses

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
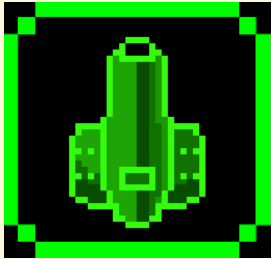
Malware Antivirus

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

Network -Based Antivirus

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

Firewall

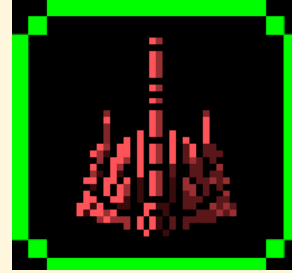A security software that blocks and slows down viruses from breaching into a computer and its network.

Defenders
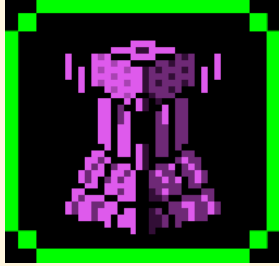
Backup

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

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.

Game Walkthrough

Logging In

Username

Password

Log In Button

Error Message

Desktop

Anti-Virus Folder

Some Cool Looking Code

Chat Room

E-Mail Folder

Log Out

MAIN.JAVA

```
public class AuthorizedAccess {

    public static void authorizedAccess() throws InterruptedException {
        System.out.println("Initiating secure connection to target system for testing...");
        Thread.sleep(2000);

        for (int i = 0; i <= 100; i++) {
            Thread.sleep(30);
            System.out.print("Establishing secure connection... " + i + "% co
        }

        System.out.println("\nConnection established successfully!");
        Thread.sleep(1000);

        System.out.println("Running security checks with authorized crede
        Thread.sleep(1000);

        System.out.println("Root access obtained for testing purposes onl
        assessment.");
    }

    public static void main(String[] args) throws InterruptedException {
        authorizedAccess();
```
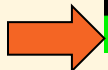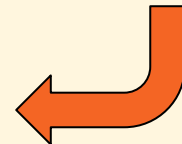
CHAT ROOM

WELCOME NEW RECRUIT.

CLICK TO CONTINUE

ANTI-VIRUS
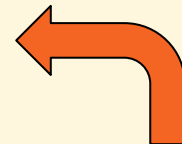
E-MAIL

LOG OUT

Phishing Game

Email Details

Inbox Pane

Phishing Buttons

Lives
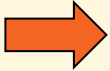
BILLING@BIGCAESARS-PIZZA
FINAL NOTICE:

SECURITY@BIGCAESARS.PIZZ
IMMEDIATE ACTION

EVENTS@BIGCAESARS.PIZZA
NEW PIZZA STORE

MANAGER@BIGCAESARS.PIZZ
STAFF PIZZA

ORDER-CONFIRM@BIG-CEASE
ORDER RECEIPT

NAME: BIG CAESARS BILLING DEPT

EMAIL: BILLING@BIGCAESARS-PIZZA-SUPPORT.CO

SUBJECT: FINAL NOTICE: UNPAID PIZZA BILL

YOU HAVE AN UNPAID BILL. PLEASE RESOLVE THIS NOW: HTTP://PAY-NOW.COM

NOT PHISHING

REPORT PHISHING
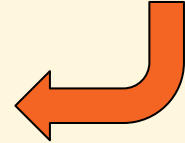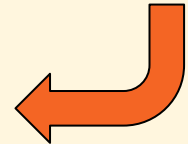
START LIVES: ❤ ❤ ❤

Phishing Game (Incorrect Choice)

Boss will explain if you miss label an email!

Read Carefully!

SECURITY@BIGCAESARS.PIZZ
IMMEDIATE ACTION

NEW PI

MANAGER@
STAFF

ORDER-CO
ORDER

HR@BIGCAI
EMPLOYEE

BOSS:
LOOK AT THAT EMAIL CLOSELY'BIGCAESARS-PIZZA-SUPPORT.COM'? THAT'S FAKE! WED NEVER SEND YOU A LINK LIKE THAT. DON'T FALL FOR THIS TRICK!

CONTINUE

START   LIVES: ♥ ♥
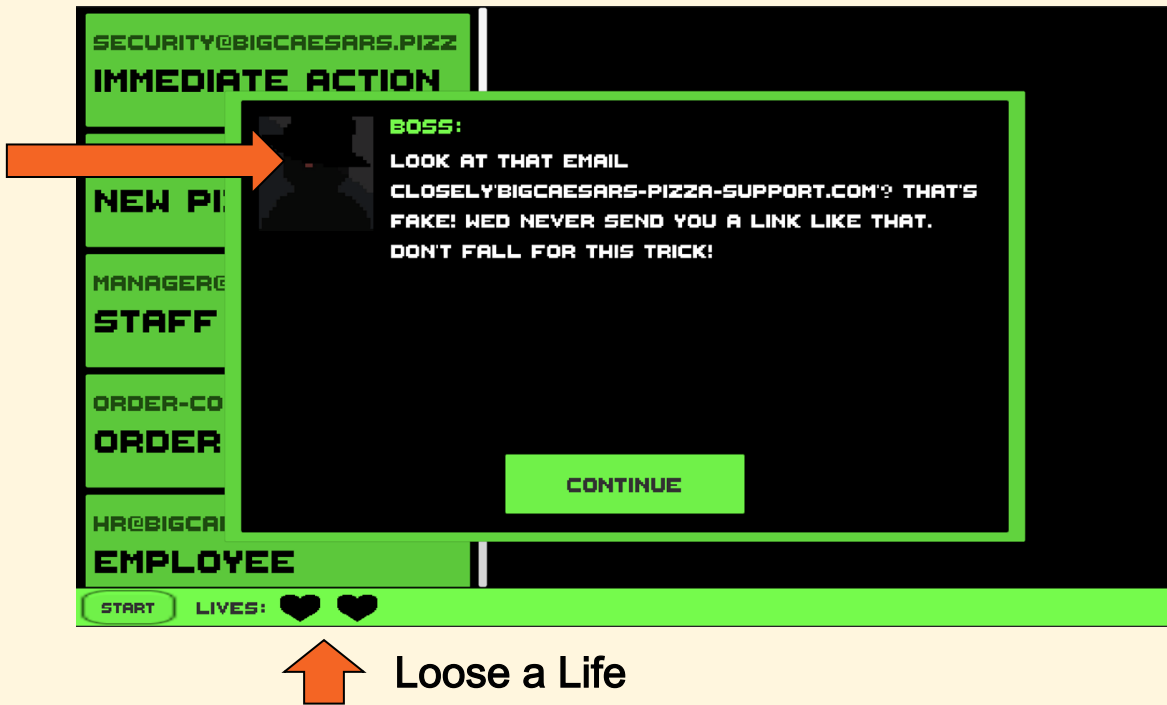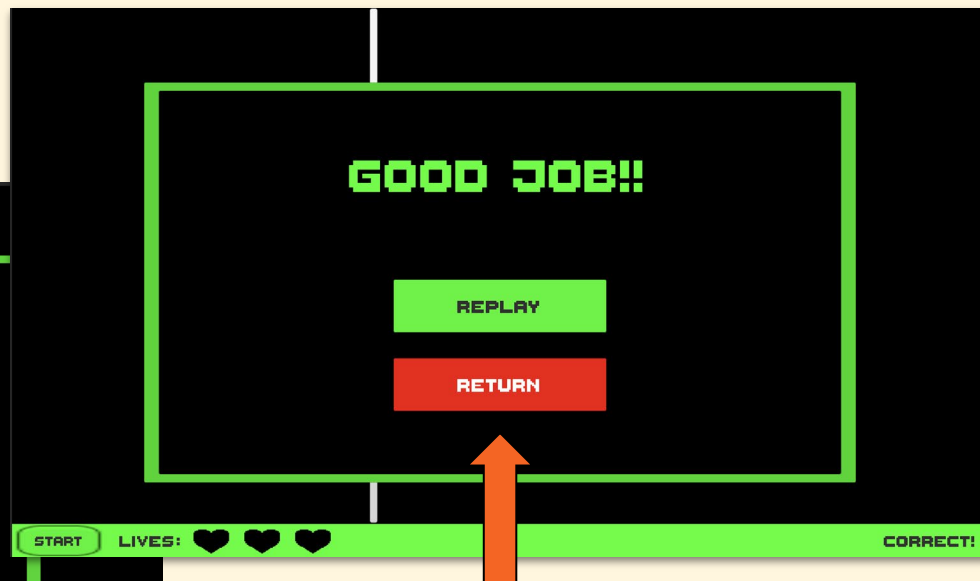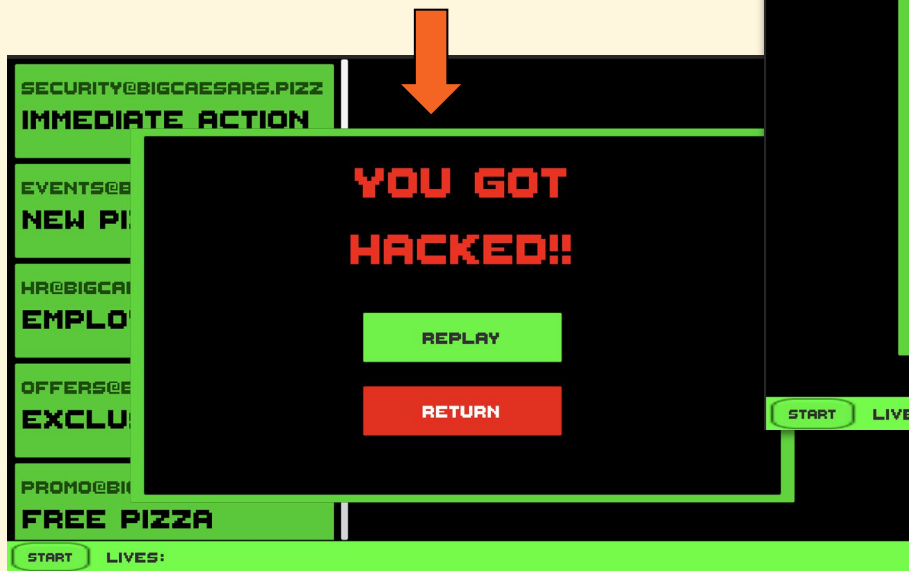
Loose a Life

Phishing Game (Endings)

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

Clean out the inbox to move on!

Virus Tower Defense

Coins

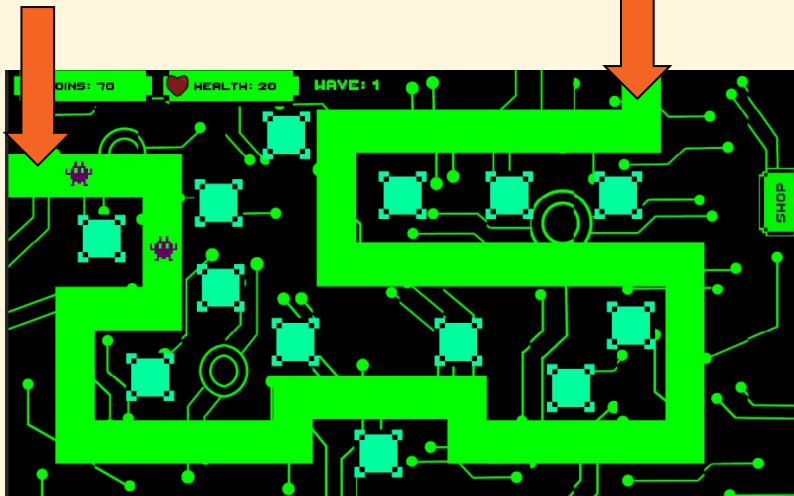Health

Wave #

Click to start the game

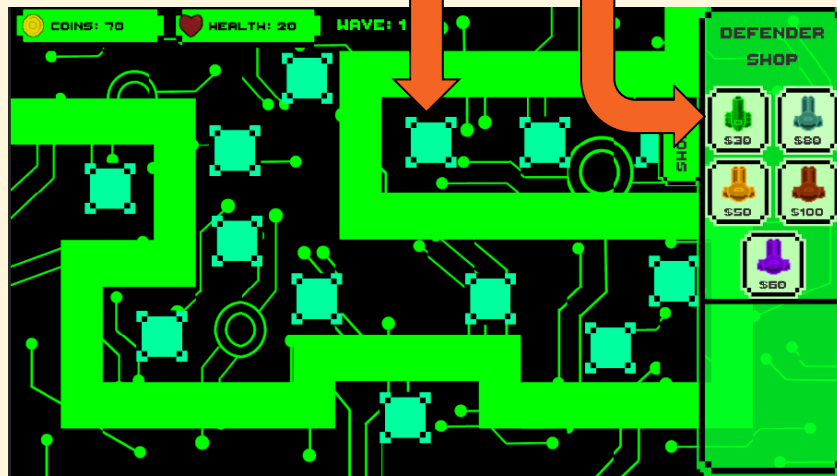Pay attention to details prompted

Virus Tower Defense

Virus enters here

Virus leaves here

Drag turrets to the placeholders

Tower Shop

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..

[Thank You]

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