

[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

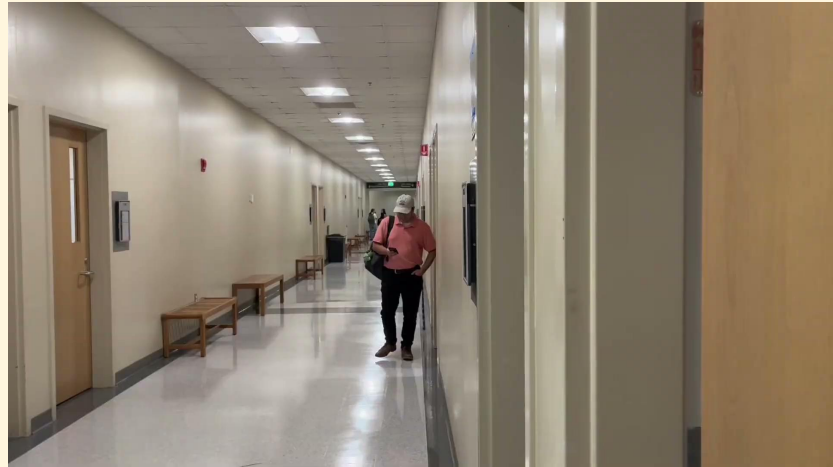
- Scripts and Code Editor





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.





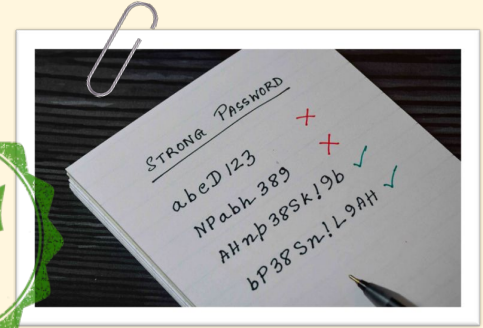
Password Security

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
-



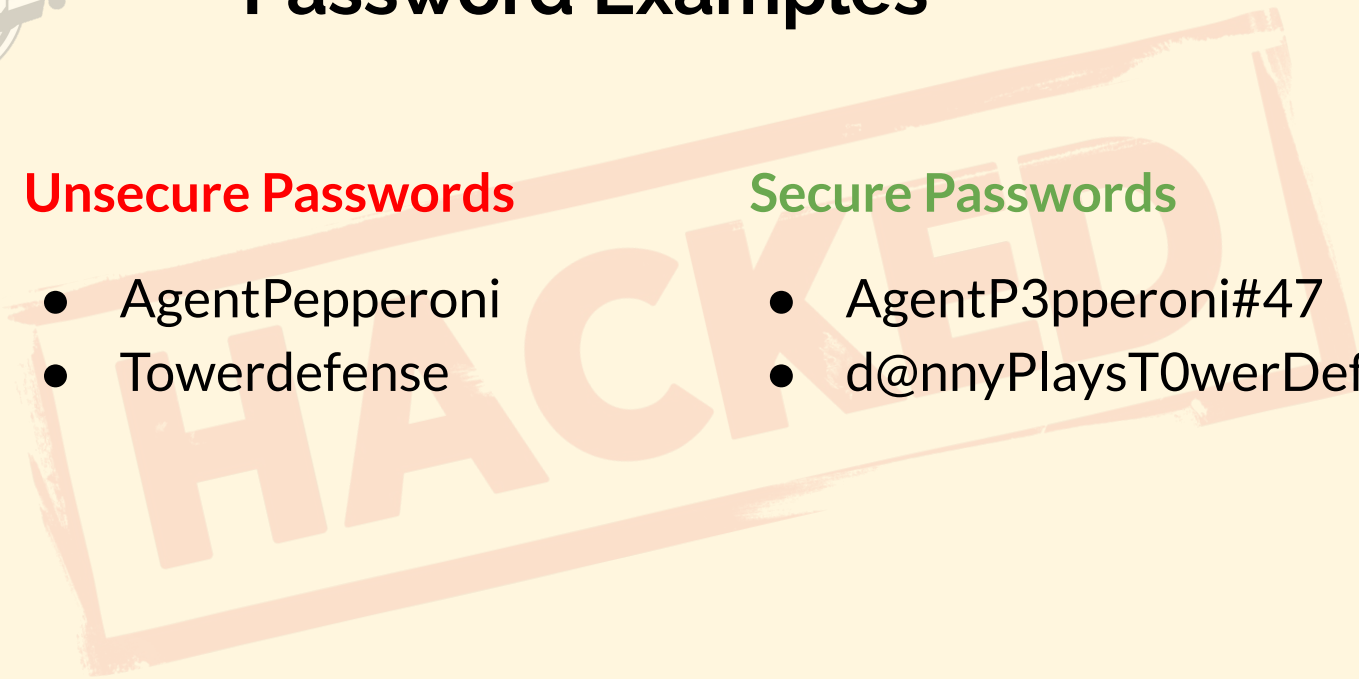
Password Examples

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!





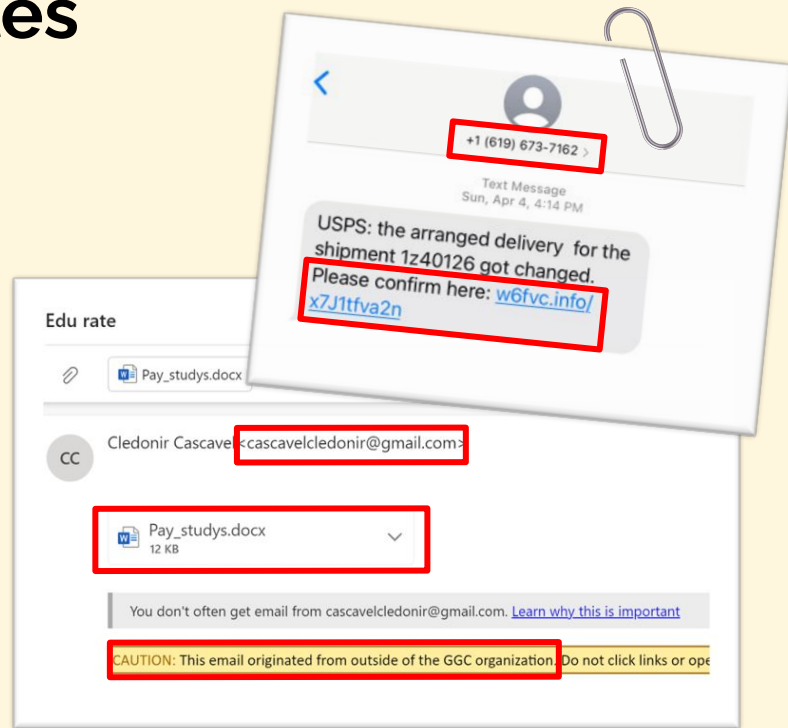
Phishing Examples

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.amazOn.com OR www.amazon.com

www.steamcommunity.com OR www.steamconnnunity.com

www.roblox.com OR www.roblox.com



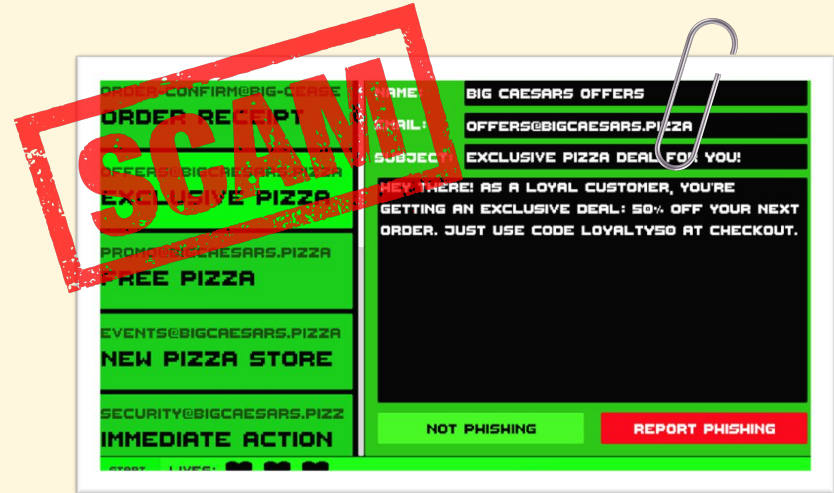
Phishing Game

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





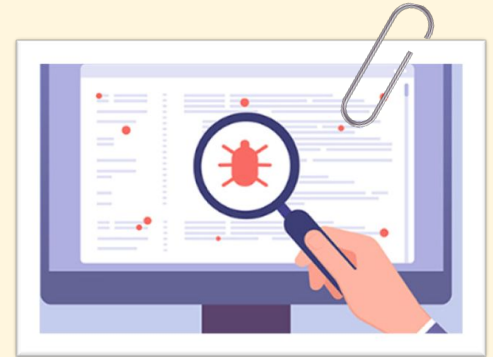
Viruses and Anti-Viruses

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.

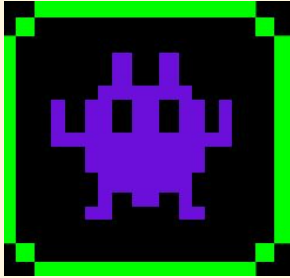
What are Anti-Viruses?

- 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.

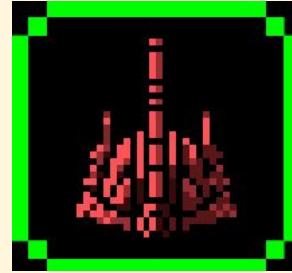


Defenders



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.



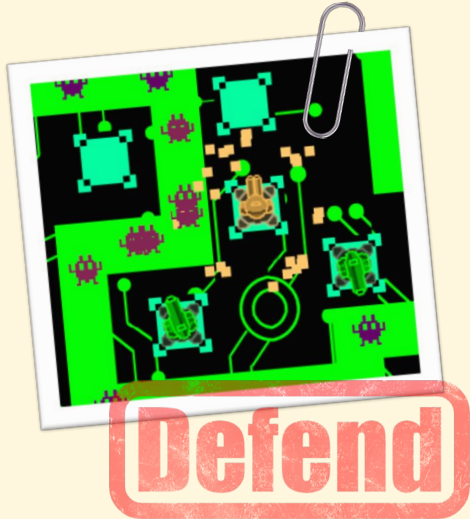
Virus Tower Defense

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

A login form with a black background. At the top is a pixelated profile picture of a character with a beard and a green shirt. Below it are two white input fields. The first field contains the text "Agent Pepperoni". The second field contains the text "PASSWORD". Below the input fields is a green button with the text "LOG IN" in black. At the bottom of the form is a white error message. Three orange arrows point from labels on the right to the input fields and button. A fourth orange arrow points from a label at the bottom to the error message.

Agent Pepperoni

PASSWORD

LOG IN

PASSWORD MUST BE BETWEEN 12 AND 24 CHARACTERS.

Username

Password

Log In Button

Error Message



Desktop

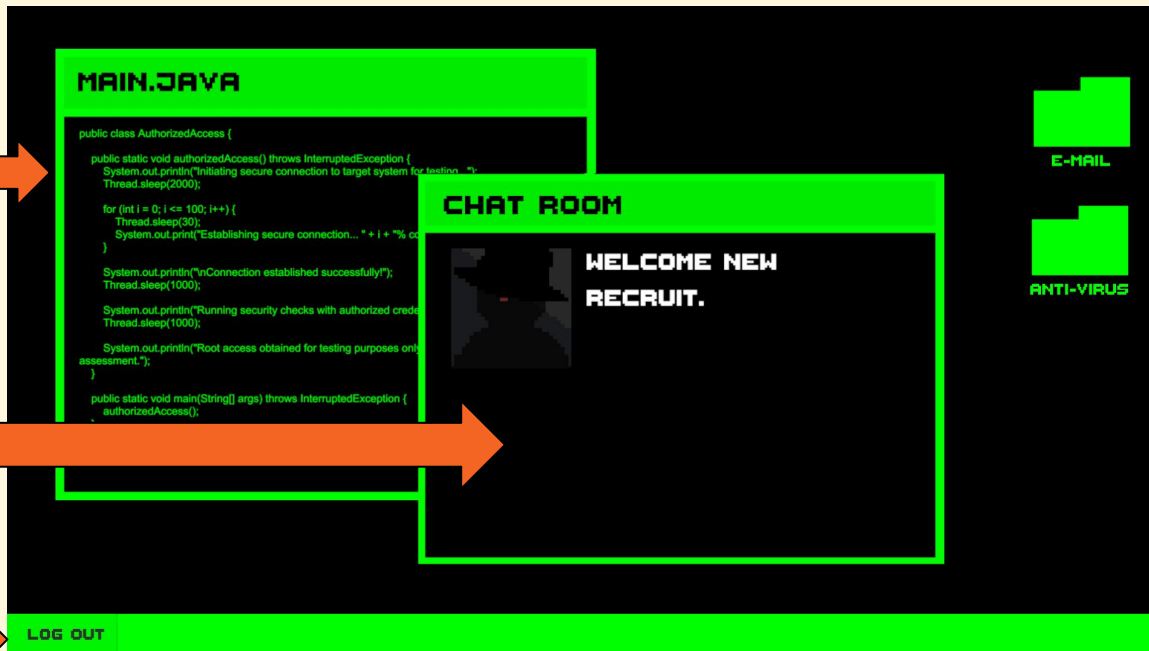
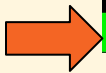
Some Cool
Looking
Code



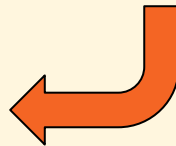
Chat Room



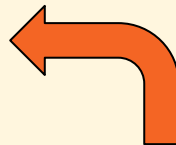
Log Out



E-Mail Folder



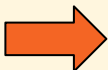
Anti-Virus Folder





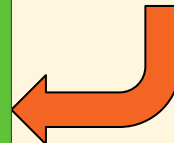
Phishing Game

Inbox Pane

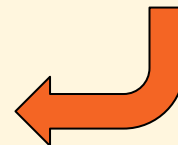


| | |
|--|---|
| ORDER-CONFIRM@BIG-CEASE ORDER RECEIPT | NAME: BIG CAESARS OFFERS |
| OFFERS@BIGCAESARS.PIZZA EXCLUSIVE PIZZA | EMAIL: OFFERS@BIGCAESARS.PIZZA |
| PROMO@BIGCAESARS.PIZZA FREE PIZZA | SUBJECT: EXCLUSIVE PIZZA DEAL FOR YOU! |
| EVENTS@BIGCAESARS.PIZZA NEW PIZZA STORE | HEY THERE! AS A LOYAL CUSTOMER, YOU'RE GETTING AN EXCLUSIVE DEAL: 50% OFF YOUR NEXT ORDER. JUST USE CODE LOYALTY50 AT CHECKOUT. |
| SECURITY@BIGCAESARS.PIZZ IMMEDIATE ACTION | <div>NOT PHISHING</div> <div>REPORT PHISHING</div> |
| START LIVES:    | |

Email Details



Phishing Buttons



Start



Lives



Phishing Game (Incorrect Choice)

Boss will explain if
you miss label an
email!



Read Carefully!

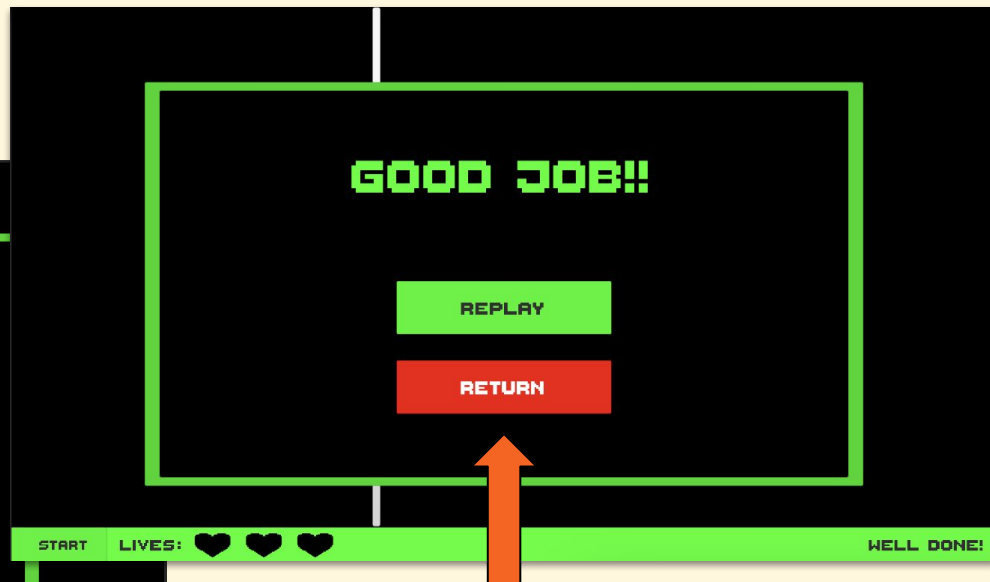
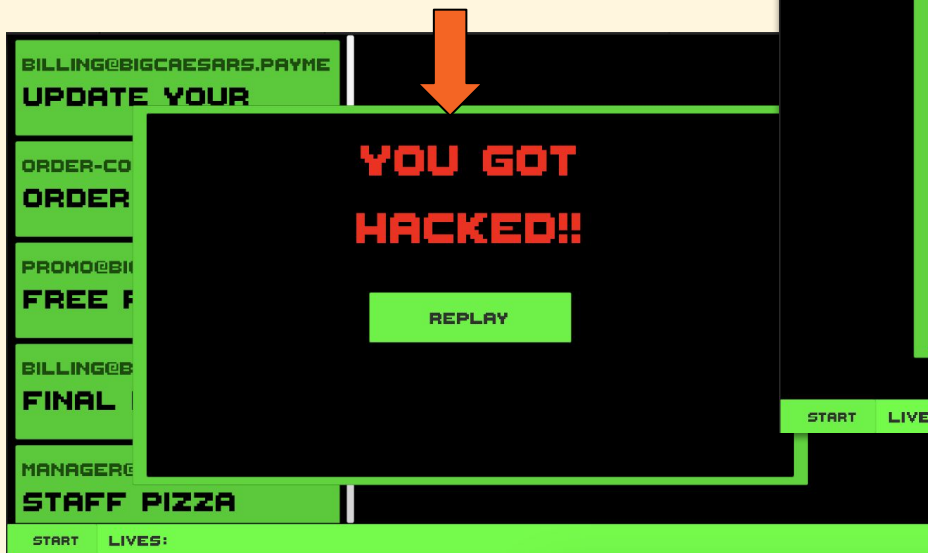


Lose a Life



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

LIVES:   

ORDER RECEIPT

EMAIL: OFFERS

SUBJECT: EXCLUS

HEY THERE! AS A GETTING AN EXCL ORDER. JUST USE

YOU

ORDERS@BIGCAESARS.COM

RELOAD GAME

REPLAY INSTRUCTIONS

LOGOUT

NOT PHISHIN

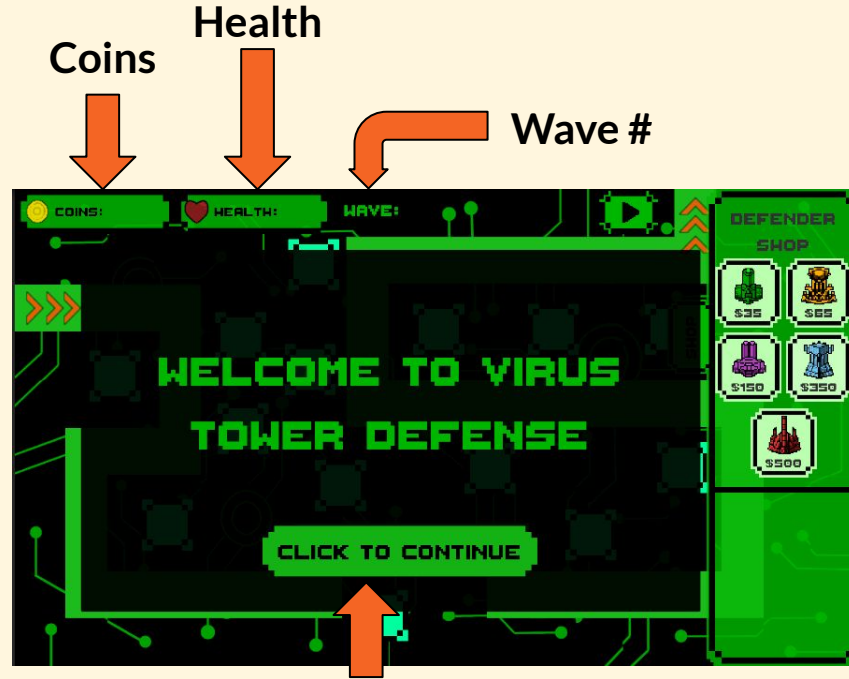
Start button

A screenshot of a game interface titled "ORDER RECEIPT". The interface is green and black. It shows a profile section with a silhouette icon and the text "YOU" and "ORDERS@BIGCAESARS.COM". Below this are three buttons: "RELOAD GAME", "REPLAY INSTRUCTIONS", and "LOGOUT". To the right of these buttons is a dark grey area with white text that reads "HEY THERE! AS A GETTING AN EXCL ORDER. JUST USE". At the bottom of the screen is a green bar with a "START" button, a "LIVES:" label, and three heart icons. Annotations with orange arrows point to various elements: "Profile & Domain" points to the profile icon, "Restart Minigame" points to the "RELOAD GAME" button, "Replay Instructions from Boss" points to the "REPLAY INSTRUCTIONS" button, "Don't press if you want to make the Boss angry" points to the "LOGOUT" button, and "Start button" points to the "START" button at the bottom.

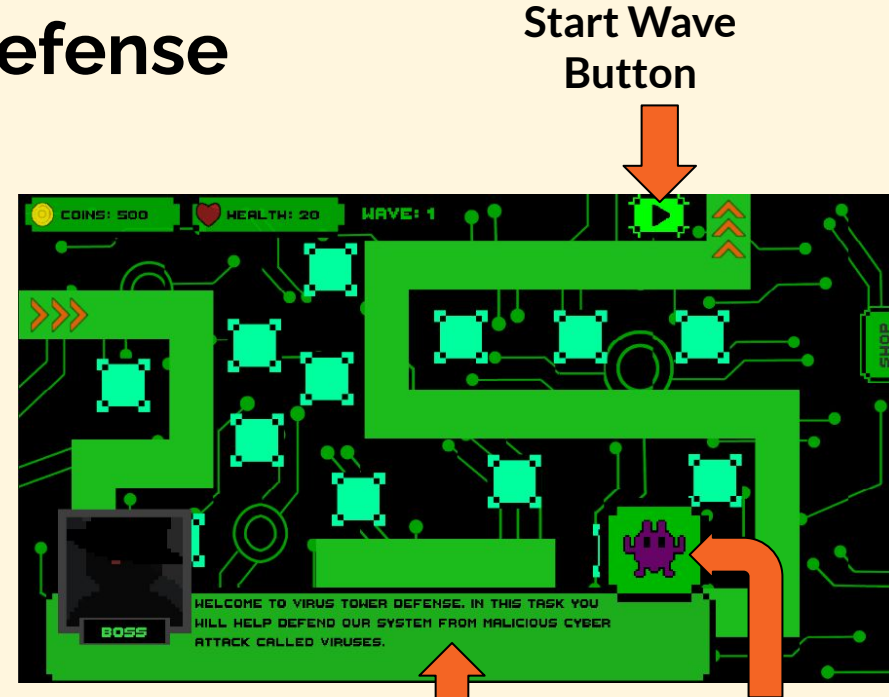
If you ever get stuck,
open the start
menu!



Virus Tower Defense



Click to start the game



Pay attention to details prompted

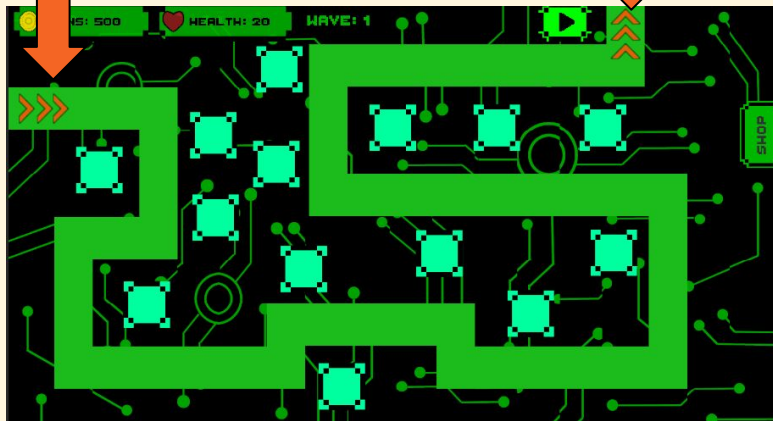
Virus Image



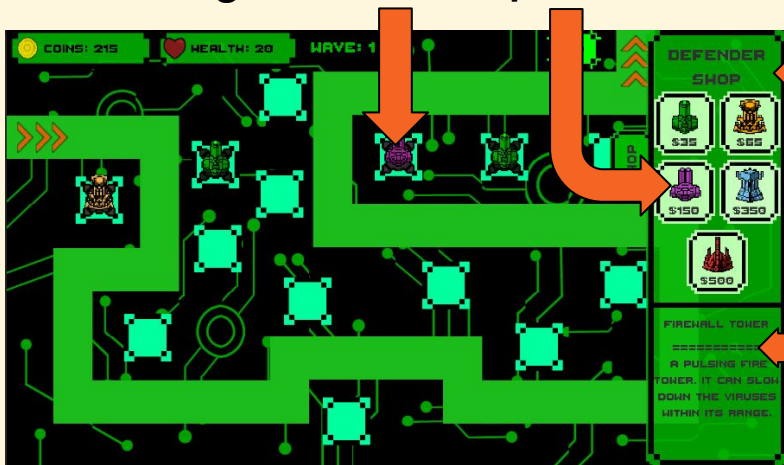
Virus Tower Defense

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..