

# Cyber-Prank

Presented by The Awesome Hackers

**By Nikki Noble, Natalie Kline,  
Zoe Oliver, and Ian Malinowski**

# Introductions

Nikki Noble:

Hello my name is Nikki Noble.

I'm a senior computer science major.



Natalie Kline:

- Computer Science Major & Music Performance Major
- 2nd-Year, Sophomore



Zoe Oliver:

Hello my name is Zoe. I am a junior computer science major.



Ian Malinowski:

Hello my name is Ian Malinowski, I'm a sophomore computer science major.



# Project Description

- For our project we decided to act as attackers in order to better learn how to defend systems.
- We are creating a virus that will perform a harmless prank on the user who falls victim to our Phishing attack.

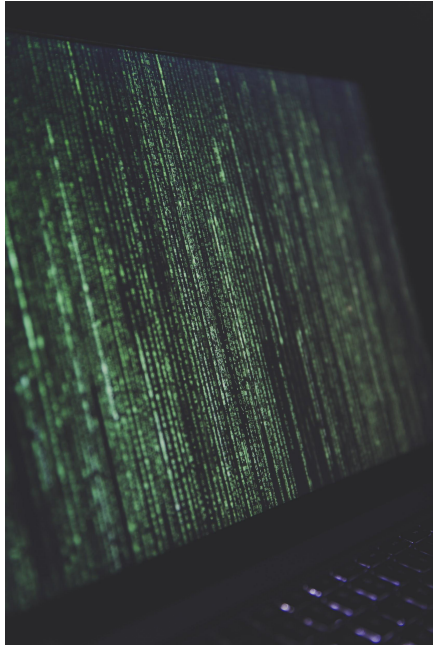


# Further Attacking



- In addition with the Phishing attack, we are also developing a USB version to learn about physical attacks as well.

# The Attack Detailed



- The victim will receive a Phishing email from us with link to a website
- If the link is clicked the website will download our virus
- Upon download the virus will bring up a GUI of a black screen
- Ominous text will appear prompting the victim
- The victim must make a video for their computer to be released

# Timeline - Gantt Chart

## Cyber-Prank Project Schedule

### The Awesome Hackers

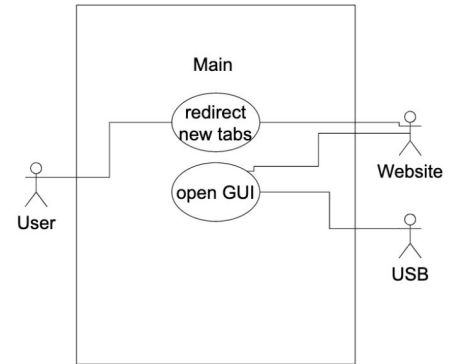
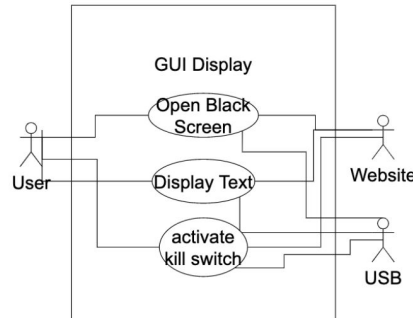
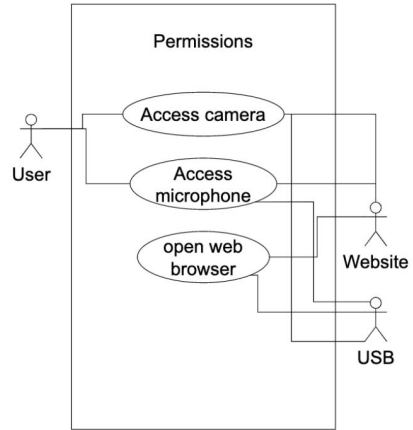
Project Start Date: 10/18/2021 (Monday)      Display Week: 1

Week 1							Week 2							Week 3							Week 4							Week 5							Week 6							Week 7							Week 8						
18 Oct 2021							25 Oct 2021							1 Nov 2021							8 Nov 2021							15 Nov 2021							22 Nov 2021							29 Nov 2021							6 Dec 2021						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12

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# Where We Are At...

## Use Case Diagrams



# Where We Are At... pt. 2

## Requirements

### Functional Requirements

1. Graphical User Interface
  - i. The background color for the GUI once the link is clicked shall be black with a hexadecimal RGB color value of 000000.
  - ii. The text displayed would be the color white and have a hexadecimal RGB color value of FFFFFFFF
  - iii. The program shall utilize the use of a Graphical User Interface (GUI) which the users will interact with as the backbone of the phishing attack.
  - iv. The program shall open the GUI when the phishing link is clicked on in the email or when the flash drive is inserted into the computer.
2. Phishing Attack
3. HTML
  - i. Only developers shall have the right to view user video and audio recorded by the program.
4. General Program
  - i. The program shall utilize the java language
  - ii. The program shall turn on the user's camera and microphone
  - iii. The program shall change the system volume to maximum.
  - iv. The program shall prevent the user from turning down the volume.
5. USB
  - i. A USB drive shall be used to gain access to the targets computer.
  - ii. After the USB drive is removed the program shall still run on the computer.

### Non-Functional Requirements

1. Graphical User Interface
  - i. The GUI should open within less than 3 seconds once the phishing link has been clicked or the flash drive has been inserted.
  - ii. The user shall interact with the GUI for at most 30 minutes if they are unable to activate the kill switch.
  - iii. The program shall be adaptable to various sizes of computer screen.
2. Phishing Attack
  - i. The link shall shutoff the user current screen to display the program's GUI
  - ii. The program shall be accessed through a link
  - iii. The email shall look like it is from a legitimate source.
3. HTML
  - i. The program shall re-direct the user to a designated web domain whenever a new tab is created/opened
  - ii. The user shall not be able to close the web domain after it is opened.
  - iii. The program shall be capable of handling up to 3 users without affecting performance.
4. General Program
  - i. The program shall not steal any personal of the user.
  - ii. The program will not cause any harm or changes to the users system.



# Where We Are At... pt. 3

Overall visual representation



Our prank will take place by displaying a certain link every time a new tab is open. The next slide will display the designated link...

# RICK ASTLEY

NEVER GONNA  
GIVE YOU UP



# RICK ASTLEY

NEVER GONNA  
GIVE YOU UP

YOU HAVE JUST BEEN PRANKED

#RickRolled

