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





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

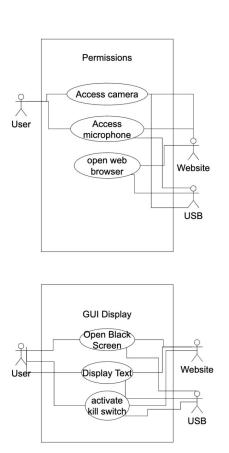
Cyber-Prank Project Schedule

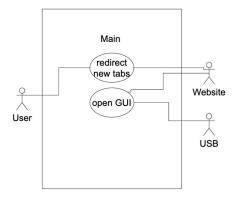
The Awesome Hackers

	P	Project Start Date:	10/18/2021 (N	londay)	Displa	y 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 202 18 19 20 21 22 3 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
WBS	Task	Lead	Start	End	Days	% Done	Work Days	M T W TA F Sa Su M T W
1	Develop USB Permissions	lan	Sun 10/24/21	Thu 11/04/21	12		9	
1.1	Enable USB Once Inserted		Sun 10/24/21	Mon 10/25/21	2	0%	1	
1.2	Disable Write Permissions		Tue 10/26/21	Wed 10/27/21	2	0%	2	
1.3	Download Code		Thu 10/28/21	Sat 10/30/21	3	0%	2	
1.4	Run Code		Sun 10/31/21	Thu 11/04/21	5	0%	4	
2	Create Phishing Link	Natalie	Wed 10/27/21	Fri 11/05/21	10		8	
2.1	Create Fake Email Account		Wed 10/27/21	Thu 10/28/21	2	0%	2	
2.2	Create URL		Fri 10/29/21	Sat 10/30/21	2	0%	1	
2.3	Create Email Draft		Mon 11/01/21	Wed 11/03/21	3	0%	3	
2.4	Attach Link to the Website		Thu 11/04/21	Fri 11/05/21	2	0%	2	
3	Establish GUI	Natalie	Mon 11/01/21	Sat 11/06/21	6		5	
3.1	Create Full Screen Display		Mon 11/01/21	Mon 11/01/21	1	0%	1	
3.2	Display Message		Tue 11/02/21	Wed 11/03/21	2	0%	2	
3.3	Make GUI Unable to be Closed		Thu 11/04/21	Sat 11/06/21	3	0%	2	_
4	Create Kill Switch	Nikki	Mon 11/15/21	Wed 11/24/21	10		8	
4.1	Decide on a Kil Command		Mon 11/15/21	Mon 11/15/21	1	0%	1	
4.2	Create a Method Terminating the Pr	rogram (KillMethod)	Tue 11/16/21	Sun 11/21/21	6	0%	4	
4.3	Set the Kill Command to Initiate the	KillMethod	Mon 11/22/21	Mon 11/22/21	1	0%	1	
4.4	Test the KIIIMethod		Tue 11/23/21	Wed 11/24/21	2	0%	2	
5	Create End Process	lan	Tue 11/16/21	Wed 11/24/21	9		7	
5.1	Gain Camera/Mircophone Permission	ons	Tue 11/16/21	Thu 11/18/21	3	0%	3	
5.2	Prompt Victim to Make a Video		Fri 11/19/21	Sun 11/21/21	3	0%	1	
5.3	Activate Kill Switch		Mon 11/22/21	Wed 11/24/21	3	0%	3	
6	Develop a Website	Zoe & Natalie	Thu 10/28/21	Wed 11/10/21	14		10	
6.1	Create a Domain Name/URL		Thu 10/28/21	Fri 10/29/21	2	0%	2	
6.2	Install WordPress		Sat 10/30/21	Sat 10/30/21	1	0%	0	
6.3	Pick a Theme		Sun 10/31/21	Sun 10/31/21	1	0%	0	
6.4	Add Content		Mon 11/01/21	Sun 11/07/21	7	0%	5	
6.5	Combine with Camera/Mic Access		Mon 11/08/21	Wed 11/10/21	3	0%	3	
7	Implement Virus Software	Nikki & lan	Mon 10/25/21	Wed 11/17/21	24		18	
7.1	Initial Research		Mon 10/25/21		7	0%	5	
7.2	Run GUI		Mon 11/01/21		3	0%	3	
7.3	Gain System Permissions		Thu 11/04/21		3	0%	2	
7.4	Develop New Tab Prank		Sun 11/07/21		4	0%	3	
7.5	Testing			Wed 11/17/21		0%	5	

Where We Are At...

Use Case Diagrams





Where We Are At... pt. 2

Requirements

Functional Requirements

- Graphical User Interface
 - The background color for the GUI once the link is clicked shall be black with a hexadecimal RGB color value of 000000.
 - The text displayed would be the color white and have a hexadecimal RGB color value of FFFFFF
 - 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.
- Phishing Attack
- . HTML
 - Only developers shall have the right to view user video and audio recorded by the program.
- General Program
 - i. The program shall utilize the java language
 - The program shall turn on the user's camera and microphone
 - The program shall change the system volume to maximum.
 - iv. The program shall prevent the user from turning down the volume.
- 5.
- A USB drive shall be used to gain access to the targets computer.
- After the USB drive is removed the program shall still run on the computer.

Non-Functional Requirements

- 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.
 - The user shall interact with the GUI for at most 30 minutes if they are unable to activate the kill switch.
 - The program shall be adaptable to various sizes of computer screen.
- Phishing Attack
 - The link shall shutoff the user current screen to display the program's GUI
 - The program shall be accessed through a link
 - The email shall look like it is from a legitimate source.
- HTMI
- 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.
- General Program
 - i. The program shall not steal any personal of the user.
 - 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...

RICKASTLEY

NEVER GONNA GIVE YOU UP



RICK ASTLEY

NEVER GONNA GIVE YOU UP

