1. Create a group of 5 students maximum.

· A group of fewer than 5 will require double work.

· A group of more than 5 is not permitted.

· Select your group members for reliability and collaboration skills.

2. Assign each member of your group a malware type topic from the list below.

· Viruses & Worms

· Trojans, Rootkits & Botnets

· Ransomware

· Adware, Malvertising & Spam

· Spyware

3. Provide the names of your group members and their assigned topic to Mr. Nestor.

4. Information to get you started for each topic is provided at the end of this lesson document.

5. Create a portfolio about your topic. A portfolio is a collection of high quality web resources that includes the following:

· References to web pages from trusted sources.

· Links to informative videos that are specific to one idea or topic.

· Links to news reports or journalistic articles

· Links to infographics, images, or other graphic elements

· The resources must be of high-quality

· Links to the resources may be stored in a Word or PowerPoint document, etc.

6. Note: You do not have to summarize or write your own content. Your assignment will be evaluated on your selection of high-quality resources

7. The audience for your portfolio will be to teach your other group members about your topic.

· It will be uploaded to GitHub in Part 2 of this assignment

· **Be Prepared To Teach Your Malware Topic To Other Members Of Your Group**

**An outline for your portfolio is as follows:**

1. Introduction To Your Malware Type. You should have at least one quality resource for each topic.

a) What it does to an infected computer / user

<https://us.norton.com/internetsecurity-emerging-threats-what-is-grayware-adware-and-madware.html>

b) How it infects a computer

<https://www.malwarebytes.com/adware/>

<https://us.norton.com/internetsecurity-emerging-threats-what-is-grayware-adware-and-madware.html>

c) How it spreads

It doesn’t spread, it stays on affected computer.

d) How it is different from other types of malware

<https://study.com/academy/lesson/malware-vs-adware.html>

e) How to detect this type of malware

<https://www.malwarebytes.com/adware/>

<https://usa.kaspersky.com/resource-center/threats/adware>

f) How to remove this type of malware

<http://www.malwareremovalguides.info/how-to-remove-adware-from-google-chrome/>

2. News report(s) of specific case/outbreak of your malware

<http://blog.medianet.com/adtech/first-hand-experience-with-adware-bot/>

<https://www.warriorforum.com/ad-networks-cpm-cpl-display/1238673-what-your-experience-adware-traffic.html>

a) Summarize what happened

b) When and where it happened

c) Its affects: computers infected / countries attacked / financial damage

d) Who was responsible (if available)