

Singapore Polytechnic School of Computing

ASSIGNMENT TWO

INTRODUCTION

This assignment constitutes part of your in-course assessment (25%) as mentioned in the module overview. It is important that you allocate sufficient time to complete this assignment.

OBJECTIVES

The learning objective of this assignment is to reinforce the concepts and principles covered in the module. The team (groups of 3-4 members) shall perform the analysis of the acquired images and produce a **FORENSICS ANALYSIS REPORT** for your assignment.

The team will be tasked to:

- **Perform forensics analysis of the images;** and
- **Produce a report for the case.**

INSTRUCTIONS

1. Students are to complete the assignment in groups of 3-4 members.
2. The group is only required to submit the softcopy via the URL link provided on the BrightSpace.
3. Only one submission per group is needed. If there are multiple submissions from the group, only the latest copy (based on submission timestamp) will be used as final submission.
4. The deadline of this assignment is **12 Aug 2022, Friday, 2359 hours**.
5. **50% of the marks will be deducted** for assignments that are received within ONE (1) calendar day after the submission deadline.
6. Assignment received thereafter ONE (1) calendar day after the submission deadline will be assigned a mark of **zero** and deemed to be a non-submission.
7. Exceptions to this policy will be given to students with valid LOA on medical or compassionate grounds. Students in such cases will need to inform the lecturer as soon as reasonably possible.
8. Read the following sections of this document for task details and report requirements.

TASK DETAILS

The Lone Wolf scenario is a set of materials from a fictional seizure of a laptop of a fictional individual who was planning a mass shooting.

In the scenario, the individual's brother alerted the police regarding the increasingly concerning behavior of his brother. As a result of the alert, the police seized the brother's laptop. The forensics copy of the laptop was acquired.

You are required to analyse the acquired forensics copy of the laptop and produce a report to present your findings about the case.

Source Files: [Click this link to download the source files for this assignment.](#)

Disclaimer: *Please note the above scenario/case is strictly for educational purposes.*

Materials for the case (found at the above URL link):

- Laptop's disk in EnCase format (file names and MD5 hash values):
 - LoneWolf.E01 B1FBB5A40CE1FD4A1AC8663117EA5AC0
 - LoneWolf.E02 C11769A15D69379AA84E69F6006D5C87
 - LoneWolf.E03 312FD2876C454ECE1744B9303E35F4B0
 - LoneWolf.E04 1669162C8BAE6414D1412BC7F122B532
 - LoneWolf.E05 148908037B3B05A21745C2777D1D3DF4
 - LoneWolf.E06 49E5B354F938568AC25ACD088F1F76AF
 - LoneWolf.E07 48FA361DB68328405D70C510E590069D
 - LoneWolf.E08 FE4CA92E5B90E07179B68B282DA97D20
 - LoneWolf.E09 3C2494C42D9816C0789CC3C0861F1D1A
- Laptop's disk in single 12.37 GB zipped file ("Lone Wolf Case.zip" and hash values):
 - MD5: B77842CCE6218A1173FF4F5A395662D5
 - SHA1: 30949061B3B5D0C5227ED2979C990CFBA945B7CE

REPORT REQUIREMENTS

1. Proper report structure should include cover page, content page, documentation of your work and task allocation.
2. Cover page of your report should include:
 - Module name and code
 - Course and class
 - Name of students (**based on student admission no, in ascending order**)
3. Documentation and coverage of work includes:
 - The introduction and **technical** write-up and forensics analysis of the case; 40%
 - Related screen-shots to illustrate the analysis process; 20%
 - Reconstruction of the case and summary; 20%.
 - Individual scores (tasks allocated and reflection); 10%.
 - Completeness of Report Writing and format; 10%.

Please do not REGURGITATE what have been covered in the lectures.

Note: If you have made any assumptions, please make sure they are reasonable and state them in your report.

4. Task Allocation

- Give a breakdown on how tasks are being assigned to individual group members

5. Length of report

- The total length of EACH REPORT shall be at least 10 A4 pages but not exceeding 20 A4 pages. This does not include appendices, tables, learning reflection and diagrams.

6. Research

- While you may surf the Internet for information, do not copy wholesale the information you found. Instead you should explain in your own words. Very little marks will be awarded for wholesale copying.

7. References

- If you use any materials in your report, please quote the reference.
- You can refer to books, journals, or online resources. But please remember to acknowledge the source.

Warning: Plagiarism means passing off as one's own the ideas, works, writings, etc., which belong to another person. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turning it in as your own, even if you would have the permission of that person.

Plagiarism is a serious offence, and if you are found to have committed, aided, and/or abetted the offence of plagiarism, disciplinary action will be taken against you. If you are guilty of plagiarism, you may fail all modules in the semester, or even be liable for expulsion.

ASSESSMENT CRITERIA

The assessments of the assignment will be as follows:

1. Written Report

- **Technical contents** – overview, technical contents and clarity. (40 marks)
- **Related screen shots** – description of exhibits. (20 marks)
- **Reconstruction and Summary** – details and summary. (20 marks)
- **Individual score** – tasks allocated and learning reflection. (10 marks)
- **Report Format and Completeness** – marks are given according to the quality of the work done including personal reflection. (10 marks)

-- The End --