

Project Guidelines for Part 1

*Submission of Part 1: Extended to Week 6

1. Requirement Specification's Information

- a. Requirement Specification is the report that documents all the client's requirements in a formal way. We use the Requirement Specification's template from the IEEE as our standard way of documenting the requirement, however, the content can be varied. Please use the SRS Template that we provided. In formal software engineering, we call the requirement report, or requirement documentation, as a **"Software Requirement Specification" (SRS)**.
- b. The purpose of Requirement engineering is to gather client requirements, by understanding the client's problem at first. Then we will further get more information on what the clients want the solution to be. Eg: Let say the client is looking for an E-learning portal to be used by their students and lecturers. So basically, the client's problem is that they don't have an e-learning portal software yet. You as the software engineer or requirement engineer will need to meet and discuss with the client to understand further what are the functions to be provided in the solution software. Therefore, the functions to be provided in the software are called "client requirements". The analysis model including use case diagram, sequence diagram, class diagram etc, will describe the client requirements.
- c. You can use a few requirement elicitation methods to analyse and provide solutions to support your requirement gathering and analysis process.
- d. In the SEF's project, the requirements are totally based on what you and your team decided as **"the best solution", after the analysis process is done**. Thus, your team's decision on what to do for each requirement or function will lead to a specific design later, in terms of the class diagram, database diagram, UI diagram, etc.

2. What to submit for **Part 1: Requirement Report?**

One SRS report

Only submit 1 document using the Filename standard as below:

Part1-GroupNumber-SectionTTxx.doc

or

Part1-GroupNumber-SectionTTxx.pdf

a. Software Requirement Specification (SRS)

i. Detail of SRS diagram to include:

1. Use case diagram
2. Sequence diagram. (Usually, 1 sequence diagram for one function)
3. Class Diagram or ERD

- There is no limit to the number of diagrams.

APPENDIX:

1. Elicitation Method (**Either one** method)
 - a. Literature Review of 3 existing software systems with screenshots for each system.
 - i. Comparison table of existing system.
 - b. Survey
 - c. Any other method.

2. Please find the attachments of template and sample report.
 - a. SRS Template. (Your project will be based on this requirement doc)
 - b. SRS Specification (sample report)
3. New deadline to submit Report Part 1: **Week 6 (17th Sept 2021)** by midnight.
4. Tips: If your delivery meets all project minimum requirements, you will pass. But if project work is delivered beyond what we request and expect, it will be considered as good or outstanding, provided the minimum requirements are correct. The mark is subjective.

All the best.