

Faculty of Computing

Year 2 Semester 1 (2025)

SE2030 - Software Engineering

Lab Sheet 01

Requirement Engineering

Week: 2

Lab Duration: 2 Hours

Objective: To practice requirement gathering using a bot-based stakeholder simulation and define system features for group project implementation.

Instructions

1. Get into your pre-assigned 6-member groups.
2. First, your instructor will assign you a group ID.
3. Then you will assign a random topic for your group project from the approved list.
4. Each group must work on the assigned topic only. Topic changes are not allowed.
5. Begin your requirement gathering using the Project Discussion Bot, which simulates various stakeholders of the system. Note: No external AI tools (e.g., ChatGPT) are allowed. Only the Project Discussion Bot may be used.
Bot Link: <https://tinyurl.com/3a7k8k6b>
6. Use the bot to interact with different personas (e.g., Admin, End User, Staff) relevant to your assigned topic.
7. Ask meaningful questions to understand the system's purpose, workflows, and functional requirements.
8. For each stakeholder you interact with, take a screenshot that shows:
 - (a) The question(s) you asked
 - (b) The response(s) received from the bot
9. Organize and save your screenshots as evidence.

10. As a group, summarize and document the following:
 - (a) Major users/stakeholders of the system
 - (b) At least 6 major functional requirements (one per group member)
11. Prepare a report that includes (5- 10 pages):
 - (a) Cover Page including Module Code, Module Name, Calendar Year, Semester, Group ID, Project Topic Name, and Group Members –
 - (b) Summary of your requirement gathering process (Minimum 6 sample screenshots)
 - (c) Identified users and their roles
 - (d) Final list of at least 6 core functions your system will implement
 - (e) A brief description of each function, including relevant sub-functions
12. 12. Submit your report (PDF Format) to the respective link before the deadline.
File name format: GroupID.pdf

Note: This report will be checked during the proposal presentation in the 3rd week.