

Objective

- Understand software engineering basics by applying requirements gathering and documentation skills.
- Experience creating simple software project artifacts.

Setup

- No special software needed; can be done with any text editor, Google Docs, or Word.
- Optionally use tools like Miro (free tier) for brainstorming and Trello for task management.

Tasks

Task 1: Select a Simple App Idea

Choose one of the following or come up with your own:

- To-Do List App
- Fitness Tracker
- Weather Forecast App
- Online Bookstore (basic version)
- Expense Tracker

Task 2: Identify Stakeholders

- List 3-5 stakeholders (users or groups who will use or be affected by the app).
- Describe their interests or goals briefly.

Task 3: Gather Functional Requirements

- Write down at least **5 functional requirements** — what the app should do.
- Use clear, concise statements. For example: “The user shall be able to add new tasks.”

Task 4: Gather Non-Functional Requirements

- Write at least **3 non-functional requirements** — qualities the app should have.
- Examples: performance, security, usability, reliability.

Task 5: Write Two User Stories

- Format: “As a [type of user], I want to [perform an action] so that [achieve a goal].”
- Example: “As a user, I want to receive notifications so that I don’t miss important tasks.”

Task 6: Organize a Simple Requirements Document

Create a document that includes:

- Title and App Description
- Stakeholders
- Functional Requirements
- Non-Functional Requirements
- User Stories

Deliverables

- Submit the requirements document in any readable format (.docx, .pdf, Google Doc link).
- Optional: Include a simple diagram (like a flowchart or use-case diagram) if desired.

Evaluation Criteria

- Clarity and completeness of requirements
- Correct use of functional vs non-functional requirements
- Appropriateness and clarity of user stories
- Logical organization of the document

Bonus Task (Optional)

- Sketch a very simple UI wireframe or mockup of the app's main screen (paper or digital tools like Figma, Balsamiq).
- Explain how the design supports the requirements.