

# Software Engineering II

## Semester 2025-II

### Workshop No. 1 — Requirements, User Stories, and Story Mapping

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Welcome to Workshop 1! This session is the foundation for your *Software Engineering II* course project. You will define the requirements, user stories, and initial planning artifacts for your team project. The goal is to set a clear direction for your team and project.

#### Scope and Objectives

- **Requirements Gathering:** Specify both *functional* and *non-functional* requirements for your application, considering the needs of users and stakeholders.
- **User Stories:** Write user stories for all relevant roles, each with acceptance criteria.
- **User Story Mapping:** Organize user stories into a user story map for planning and prioritization.

#### Methodology and Deliverables

##### 1. Requirements Documentation

- List and describe the main **functional requirements** (what the system should do).

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Any comment or concern regarding this workshop can be sent to Carlos A. Sierra at: *casier-rav@unal.edu.co*.

- List and describe the main **non-functional requirements** (quality attributes, e.g., usability, performance, security, scalability).
- Example:

**Functional:** The system must allow users to register and log in.

**Non-Functional:** The system should respond to user actions within 2 seconds.

## 2. User Stories

- Write user stories for different roles (e.g., end-user, admin, manager).
- Use the format: **As a** [role], **I want to** [action] **so that** [benefit].
- Each story should include acceptance criteria in the format: **Given** [context], **When** [event], **Then** [outcome].
- Example:

As a user, I want to reset my password so that I can regain access if I forget it.

**Acceptance Criteria:**

**Given** the user is on the login page, **When** they click "Forgot Password" and enter their email, **Then** the system sends a password reset link to the user's email.

## 3. User Story Mapping

- Create a visual map or table showing how user stories are grouped and prioritized for development.
- Example resource: <https://plan.io/blog/user-story-mapping/>

## 4. Delivery Format

- Compile all deliverables into a single PDF.
- Organize your files in a folder named **Workshop-1** in your course project repository, with a **README.md** referencing each section.

### Project Requirements Checklist

- Clear and complete requirements (functional and non-functional).
- Well-defined user stories and acceptance criteria.
- User story mapping for planning.
- Organized and referenced documentation.

### Deadline

**Saturday, October 26th, 2025, at 22:00.** Late submissions may affect your grade according to course policies.

### Notes

- All documents must be in **English**.
- Cite any references (articles, tutorials) that influenced your design choices.
- Focus on clarity and completeness. This foundation will evolve as you progress through the course project.

*Good luck! A solid requirements and planning definition will set the stage for a successful project implementation.*