Software Engineering Seminar
Semester 2025-III
Workshop No. 1 — Project Definition and Planning

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

Scope and Objectives

- **Business Model:** Complete a Business Model Canvas for your application. See: `https://corporatefinanceinstitute.com/resources/management/business-model-canvas-examples/`

- **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.

- **CRC Cards:** Create CRC (Class-Responsibility-Collaborator) cards for the main classes identified in your system.

Methodology and Deliverables

1. **Business Model Canvas**

   - Complete a Business Model Canvas for your chosen application baseline (e.g., e-commerce, booking system, social media).

- Clearly define each section: Key Partners, Key Activities, Value Propositions, Customer Relationships, Customer Segments, Channels, Key Resources, Cost Structure, Revenue Streams.

2. **User Stories**

- Write at least 5 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.
- Example:

   As a user, I want to reset my password so that I can regain access if I forget it.
   Acceptance Criteria: The system sends a password reset link to the user's email.

- Format example:

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. **CRC Cards**

- Create CRC cards for at least 3 main classes.
- Each card should list the class name, responsibilities, and collaborators.
- Example format:

> **Class:** User
> **Responsibilities:** Manage profile, authenticate, reset password
> **Collaborators:** AuthService, EmailService

5. **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 business model and value proposition.

- Well-defined user stories and acceptance criteria.

- User story mapping for planning.

- CRC cards for main classes.

- Organized and referenced documentation.

Examples of Application Baselines

- E-commerce platform

- Booking system

- Social media app

- Inventory management

- Event registration

Deadline

Saturday, October 4th, 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 business and planning definition will set the stage for a successful project implementation.