

# Semester Project – Weekly Deliverables

## Overview

As part of this course, students will undertake a semester-long project designed to integrate theoretical concepts from lectures with practical application.

- Students will work in teams of four to five members.
- Each team must be composed of students assigned to the same Teaching Assistant (TA), although members may come from different lab groups.
- Teams will remain consistent throughout the semester.
- The project will be developed incrementally, with weekly deliverables aligned with lecture topics and laboratory content.
- The final submission will consolidate all weekly deliverables into a comprehensive project report and presentation.

## Deliverable 1: Expert Interview Simulation

### Objective

Practice requirements elicitation and domain knowledge acquisition, the foundation of effective software design and architecture.

### Task Description

#### 1. Team Formation

- Form teams of 4–5 students under the same TA.
- Submit a list of members in the team formation link.

#### 2. Project Topic Selection

- Select a project topic of your choice. Examples include:
  - Online bookstore
  - Smart home energy application
  - Healthcare appointment system
  - E-commerce platform
  - Food delivery application
- The chosen topic should provide sufficient scope for meaningful requirements gathering and architectural design.

### **3. Preparation of Interview Questions**

- Prepare at least 8–10 concise, to-the-point questions.
- Cover both:
  - Functional requirements (system capabilities, features).
  - Non-functional requirements (scalability, security, performance, usability).
- Reflect lecture concepts (e.g., decomposition, domain modeling, architectural styles).
- All team members collaborate on the questions.

### **4. Conducting the Interview**

- Interview ChatGPT as the domain expert.
- Duration **must not exceed 7 minutes**; longer recordings are not considered.
- Submit a voice recording (audio file).
- One representative may speak; all members help prepare the questions.
- Conduct in **English**, professionally and clearly.

### **5. Deliverable Submission**

- Submit via the official platform:
  - Voice recording (audio file).
  - A concise report (1–2 pages) including:
    - \* Project Title
    - \* Prepared interview questions.
    - \* Text summary of interview (main points only).

### **6. Submission Link & Deadline— Only the team leader is responsible for submitting**

- Team Formation Link: <https://forms.office.com/r/6YgR2aXcnh>
- Submission Link (using your university account): <https://forms.office.com/r/XQRL6ULhbz>
- Deadline: Oct 3, 2025 At 11:59 PM