

# CS491 Senior Design Project 1

## Logbook

Kerem Demirören 22203380

- [20/Sept/2025] - A meeting was held to discuss potential project topics. Three candidate topics were determined. All team members participated.
- [25/Sept/2025] - The final project topic was selected and approved by the supervisor. The entire team attended the meeting.
- [2/Oct/2025] - The project was approved by the innovation expert, and the evaluation report was received.
- [14/Oct/2025] - Alper Biçer prepared a decision-making [document](#) regarding the application design. The document covered the OCEAN personality traits, application design strategies for each personality type, adjustable parameters based on personality scores, emotion detection technologies, corresponding actions for detected emotions, and methods for promoting study habits.
- [17/Oct/2025] - First meeting for the design of the project. Everybody attended the meeting. Modified the [Sheets document](#) by adding;
  - study groups,
  - integrations,
  - possible tech stack,
  - and chatbot.
- [20/Oct/2025] - The first progress meeting with the course instructors was held.
- [16/Nov/2025] - High-level architecture discussion and work distribution for Project Specifications Report. Everybody attended the meeting.
  - Alper Biçer will handle the Description and High-Level System Architecture sections.
  - Berfin Örtülü will cover the Constraints, Professional & Ethical Issues, and Standards sections.
  - Gülferiz Bayar will handle the Functional Requirements and Non-Functional Requirements sections.
  - Farabi Sina Sari will conduct the Market & Competitive Analysis section.
  - I will be working on the Academic Analysis section.
- [17/Nov/2025] - Alper Biçer prepared a high-level architecture and a [presentation](#) for the second progress meeting with the course instructor.
- [17/Nov/2025] - The second progress meeting with the course instructor took place.

- [25/Nov/2025] - A meeting was held with Elif Küzeci (Professor, Law Department) to discuss privacy laws and regulations. The questions were prepared and presented by Alper Biçer. Alper Biçer, Farabi Sina Sari, Gülferiz Bayar, and Berfin Örtülü attended the meeting.
- [26/Nov/2025] - Alper Biçer met with Ezgi Sakman (Instructor, Psychology Department) to discuss the application of the OCEAN personality model within the project.
- [27/Nov/2025] - A meeting was conducted to finalize the Project Specifications Report. All team members completed their assigned sections.
- [4/Dec/2025] - A meeting was held to determine the demo content and finalize the technology stack. All team members attended.
- [5/Dec/2025] - The innovation expert was consulted regarding the chosen technology stack and provided guidance on suitable technologies for AI training in the second semester.
- [9/Dec/2025] - Alper Biçer prepared a database schema (E/R diagram) and a [presentation](#) for the third meeting with the course instructor.
- [9/Dec/2025] - Meeting to do the user interface mock-ups before and after the third progress meeting with the course instructor on the same day. Also distributing the work for the Project Analysis and Requirements Report. Everybody attended the work distribution part of the meeting but the initial mock-up designs were done by Berfin Örtülü, me, Gülferiz Bayar, and Alper Biçer.
  - Gülferiz Bayar is going to do the Introduction, Current System, Functional Requirements, Non-functional Requirements, and Pseudo Requirements sections.
  - Farabi Sina Sari is going to do the Scenarios and Use-Case Model sections.
  - Alper Biçer is going to do the Object and Class Model section. Also Alper's E/R model will be added to the report too.
  - Berfin Örtülü, me, and Gülferiz Bayar's user interface designs will be added to the report.
  - Berfin Örtülü is going to do the Constraints, Standards, Risks & Alternatives, Project Plan, Ensuring Proper Teamwork, Ethics & Professional Responsibilities, and Planning for New Knowledge & Learning Strategies sections.
- [9/Dec/2025] - The third progress meeting with the course instructor was conducted.
- [16/Dec/2025] - A meeting was held to distribute responsibilities for the demo and finalize remaining tasks for the Project Analysis and Requirements Report. Alper Biçer, Farabi Sina Sari, Berfin Örtülü, and I attended. Following the meeting, Berfin Örtülü and I continued working on the user interface designs.

- [17/Dec/2025] - User interface designs were completed collaboratively by Berfin Örtülü, me, and Gülferiz Bayar.
- [18/Dec/2025] - The Project Analysis and Requirements Report was finalized, with all team members completing their assigned responsibilities.
- [21/Dec/2025] - The demo presentation was finalized, and a rehearsal was conducted.
- [22/Dec/2025] - Presented the Demo.