CS491 Senior Design Project I

Gülferiz Bayar – Logbook (Fall 2025)

- **[20/Sept/2025]**
  A brainstorming session was held for the team to think of possible senior design projects. A number of ideas emerged and the shortlist of topics for the project was chosen to be pitched to the tutors. All team members attended the meeting.

- **[25/Sept/2025]**
  A meeting was held with the project supervisor. In this meeting, the final topic for the project was decided, and it was approved. All members were in this meeting.

- **[2/Oct/2025]**
  Communication was established with an innovation expert via e-mail. Approval for collaboration was received, and feedback was later shared with the team.

- **[14/Oct/2025]**
  On the application scope and direction, decisions have been made.
  I focused on understanding the functional and non-functional aspects that could shape the system. At the same time, all team members contributed by analyzing similar mobile applications(Berfin Örtülü), personality-based approaches(OCEAN- Alper Biçer), and emotion detection technologies in order to clarify how our project could go beyond existing solutions.

- **[17/Oct/2025]**
  The first meeting for the project design was conducted with the entire team in attendance. The collaborative document for planning was updated with the addition of new elements such as study groups, system integration, the technology stack, and a chatbot.

- **[20/Oct/2025]**
  The first progress meeting with the course instructors was conducted. Initial feedback on the project direction was received.

- **[16/Nov/2025]**
  A detailed meeting was held to distribute responsibilities and discuss the high-level system architecture for the Project Specifications Report.
  During this meeting, I was assigned responsibility for the Functional Requirements and Non-Functional Requirements sections.

  - **Berfin Örtülü** was assigned the **Constraints, Professional & Ethical Issues, and Standards** sections.
  - **Alper Biçer** was assigned the **Description and High-Level System Architecture** sections.
  - **Farabi Sina Sarı** was assigned the **Market & Competitive Analysis** section.
  - **Kerem Demirören** was assigned the **Academic Analysis** section.
  - **Gülferiz Bayar** was assigned **the Functional Requirements and Non-Functional Requirements** sections.

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- **[17/Nov/2025]**
  The second progress meeting with our course instructor took place. Discussions involved our concerns, initial design considerations, and the overall plan of our project.

- **[25/Nov/2025]**
  A meeting was arranged with Elif Küzeci from the Law Department to talk about the laws of privacy and the regulation of data protection. The meeting was attended by **Berfin Örtülü, Alper Biçer, Farabi Sina Sarı, and Gülferiz Bayar** to gain insight about the legal limitations surrounding emotional and personal data.

- **[27/Nov/2025]**
  The team met to complete the Project Specifications Report. All members contributed to the document and exchanged feedback on different sections.

- **[4/Dec/2025]**
  A planning meeting was organized to coordinate the demo, and all members attended in order to finalize any technological stack-related decisions.

- **[5/Dec/2025]**

  Berfin Örtülü contacted the innovation expert via e-mail to request feedback on the proposed technology stack. Feedback was requested from the innovation expert regarding the chosen technology stack. After receiving confirmation and suggestions, the team finalized the technologies to be used, particularly with respect to future AI-related work.

- **[9/Dec/2025]**
  The third progress meeting with the course instructor was held. Later in the day, there was a follow-up meeting that aimed at finalizing user interface mock-ups as well as considering the Report on Project Analysis and Requirements.

  I was actively involved in the discussions regarding the allocation of tasks and the preparation of the UI designs to be included in the report.

  Berfin Örtülü took responsibility for the **Constraints**, **Standards**, **Risks & Alternatives**, **Project Plan**, **Ensuring Proper Teamwork**, **Ethics & Professional Responsibilities**, and **Planning for New Knowledge & Learning Strategies** sections.

  Gülferiz Bayar was responsible for writing the **Introduction**, **Current System**, **Functional Requirements**, **Non-functional Requirements**, and **Pseudo Requirements** sections.

  Farabi Sina Sarı was responsible for preparing the **Scenarios** and **Use-Case Model** sections.

  Alper Biçer was responsible for the **Object and Class Model** section, and his **E/R model** was also selected to be included in the report.

- **[16/Dec/2025]**
  A meeting was conducted to share the completed analysis and requirements report and also to discuss the tasks related to demos. The meeting was attended by **Alper Biçer, Farabi Sina Sarı, Berfin Örtülü, and Kerem Demirören**. Gülferiz Bayar took part in reviewing the progress and synchronizing the remaining tasks.

- **[17/Dec/2025]**
  I also contributed, together with other members of the team(**Berfin Örtülü** and **Kerem Demirören)** , in designing and creating the user interface screens for the application.

- **[18/Dec/2025]**
  The Project Analysis and Requirements Report was finalized. All team members have finished their tasks.

- **[21/Dec/2025]**
  The demo presentation was finalized, and a full rehearsal was conducted with the entire team.

- **[22/Dec/2025]**
  The final demo presentation was delivered.