**1. Project Title**  
Hospital Appointment System

**2. Team Members**

* Emre Ozan Oral – 30797  
  Süleyman Berber – 31293  
  Hüseyin Doğan Türk - 31288

**3. Project Overview**  
The proposed project aims to develop a comprehensive hospital appointment system that facilitates efficient scheduling and management of patient appointments. The system will allow users to easily book appointments with healthcare providers, receive appointment reminders and cancel appointments. By digitizing and streamlining the appointment process, the system aims to improve patient satisfaction, reduce waiting times, and enhance overall healthcare delivery.

**4. Objective and Scope of the Project**  
The main objectives of the project include:

* Creating a user-friendly mobile application for scheduling and managing hospital appointments.
* Integrating features such as appointment booking, doctor search, appointment reminders and canceling appointments.
* Developing a backend system to handle appointment data, user profiles.
* Implementing security measures to protect sensitive patient information.
* Testing and refining the system to ensure functionality, reliability, and usability.

The project will include the following main project targets:

* Development of backend APIs for handling appointment bookings, user authentication, and data storage.
* Creation of mobile application screens for appointment booking, user profiles, appointment reminders.
* Implementation of a notification system for appointment reminders and updates.

The backend will consist of several endpoints, including those for user authentication, appointment booking, doctor search. The mobile application will contain approximately 5-10 screens, including login/signup, appointment booking, user profile, doctor search, appointment details.

**5. Background and Current Practice**  
Currently, hospital appointment systems vary widely in terms of functionality and user experience. Many hospitals still rely on manual appointment booking processes, leading to inefficiencies, long waiting times, and poor patient experiences. However, there are some examples of more advanced appointment systems that offer online booking, appointment reminders. These systems have shown to improve patient satisfaction and streamline healthcare delivery.

**6. Potential Customer/User Description**  
The target users of the system include:

* Patients seeking medical care at hospitals or clinics.
* Healthcare providers and staff responsible for managing appointments and patient records.
* Hospital administrators and managers looking to improve the efficiency of appointment scheduling and patient management processes.

Potential customers for the system may include hospitals, clinics, and healthcare organizations aiming to enhance patient access to care, improve operational efficiency, and deliver high-quality healthcare services. These organizations operate in the healthcare industry and prioritize patient-centered care and operational excellence.