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**Project Name:** Patient Management System

## **Project Proposal**

### **1. Introduction**

First of all, we all know that diseases are a problem for people, and when we get sick, going to the hospital and waiting in line makes our lives very difficult. In the patient management system, our main goal is to develop a website. It ensures that patients get their appointments in a shorter time and make an appointment at a more convenient time. In short, this project that we will do is called the system for patients who take appointments.

### **2. Project Description**

#### **I. Overview**

In our patient management system, we are going to provide a user interface for patients which ensures them to make their appointment easily. Each patient will be able to make an appointment from the appropriate hospital and clinic according to the symptoms and location of the disease, in accordance with his own time, according to the name of the doctor he wants. It will be a simple and easy-to-understand program that can be used by the elderly, so it is a beneficial for all of the users.

#### **II. Objectives**

The aim of this project is to give our patients an appointment from the hospital they want, at the time they want and from the doctor they want, according to the symptoms of the disease. At the same time, while directing our patients to certain units according to the symptoms of the disease, the aim of our project is to show the patients information on many diseases, symptoms of the disease and what to do before coming to the hospital on our website.

#### **Functional Requirements That We are Planning**

We will make a system that will keep the contents of doctors and appointments, their detailed information and operations such as deletion, addition, listing. The required function of our program should make an appointment with a doctor at any time, depending on the

location of the user or as he/she wants, when he/she encounters the site and enters the interface.

### **Non-Functional Requirements That We are Planning**

This function, which we will work on, should also be simple so that people of all ages can make an appointment quickly. Our interface should be aesthetic, and the personal information of the doctors should be private.

## **III. Target Customers**

Our target users will be patients who want to make an appointment. These patients will be able to make an appointment from the department they want in the appointment system. Besides, this system includes various kinds of information about patients and doctors. Our program will appeal to all ages, so it will be a program that can be used by anyone who is sick or who thinks they are sick, regardless of age.

## **IV. Value Proposition**

This system will make it easier for people who have difficulty in getting an appointment by going to the hospital. In addition, in our system, patients can save time by getting an appointment faster.

## **3. Preliminary Plan**

### **I. Planned Deliverables**

The results of the stages of our project, briefly, to make an appointment according to the symptom of a patient's disease without wasting time. However, since our project will go step by step and in a planned way, we aim to get the patient to make an appointment from the clinic where they need to get them through a system in the fastest and most effective way, and to make the patient happy and not tiring.

### **II. Working Plan**

In our project, we are going to divide our study several stages according to the desired functions and our implementation order. We are planning to meet about project stages and details by face to face and on-line. In some stages of the project, we might distribute the required tasks according to preferences of the group members. The tasks that have been distributed might change through the project. We consider to follow agile method. We will have meetings every week on Sundays.

In addition to our knowledge of programming languages such as PostgreSQL, Java and C in our group, we plan to continue by researching and learning languages such as HTML, CSS and JavaScript. We will implement a web development project so we will use HTML, CSS and JavaScript. For the frontend side of the project, we will need the module React.js framework, for the backend side of the project we are going to use PostgreSQL and Spring framework.