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ENGINEERING FACULTY
DEPARTMENT OF COMPUTER ENGINEERING

CME 2210

Object Oriented Analysis and Design

HOSPITAL APPOINTMENT SYSTEM

by

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CHAPTER ONE

INTRODUCTION

Project Description

With the advancement of technology, online services are developing globally. Hospital appointment systems are just one of the developments that we can exemplify in the field of health. This system can be mentioned as follows:

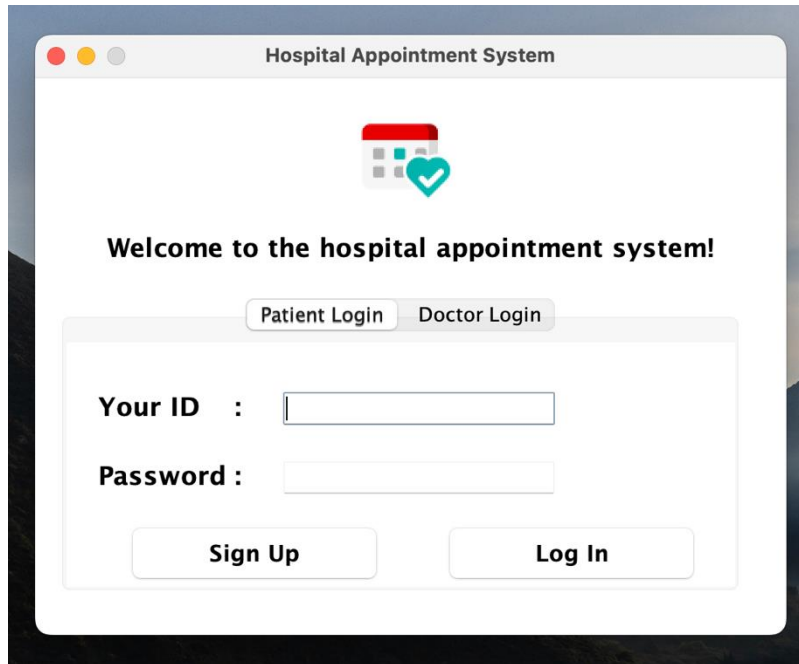
The patient can reach the hospitals through an application without the need to go to the hospital to make an appointment. He/she sees the most optimal examination options by choosing the department related to her illness and a hospital he/she finds close to him/her. The patient can make his choice according to the doctors' calendars and the hospitals they work among the appointments listed for the department he will be examined.

The system has two entries, named patient and doctor. The doctor can view his own calendar and has control over his appointments. The patient can also make appointments, view their appointments and make changes.

Objectives of the Project

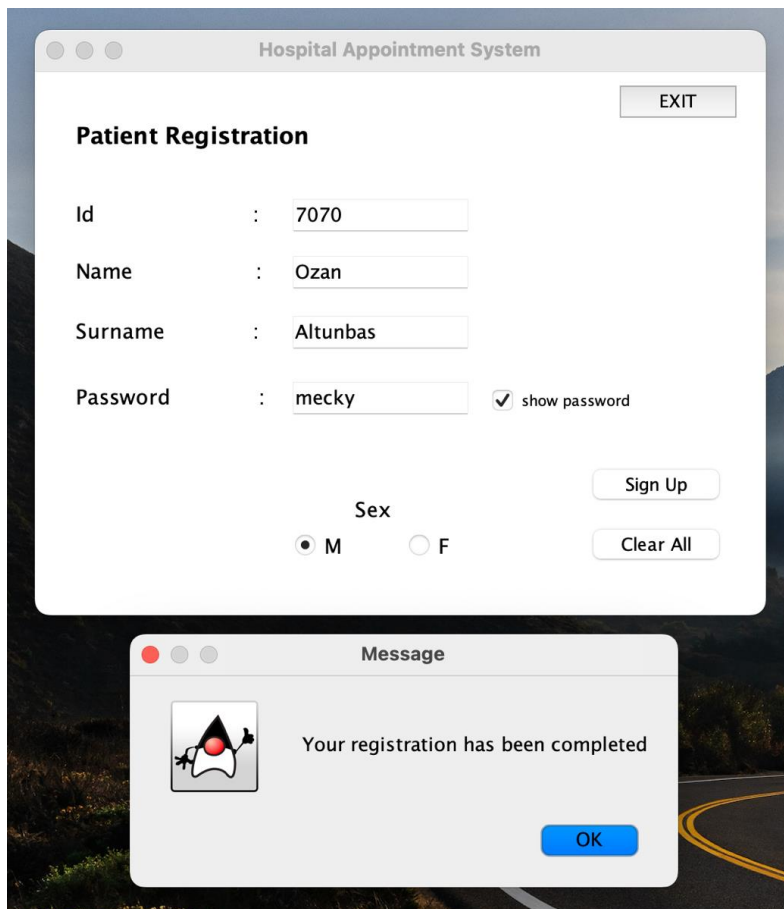
In summary, the main purpose of the project is;

It is to create a hospital appointment system with a simple and useful interface, which adopts the principles of object oriented, where doctors can follow their appointments, patients can access the hospitals and doctors suitable for the department they are looking for.



The image shows a web application window titled "Hospital Appointment System". At the top center is a logo consisting of a calendar icon with a red header and a green heart with a white checkmark. Below the logo, the text "Welcome to the hospital appointment system!" is displayed. There are two tabs: "Patient Login" (selected) and "Doctor Login". The "Patient Login" tab contains two input fields: "Your ID :" and "Password :". Below these fields are two buttons: "Sign Up" and "Log In".

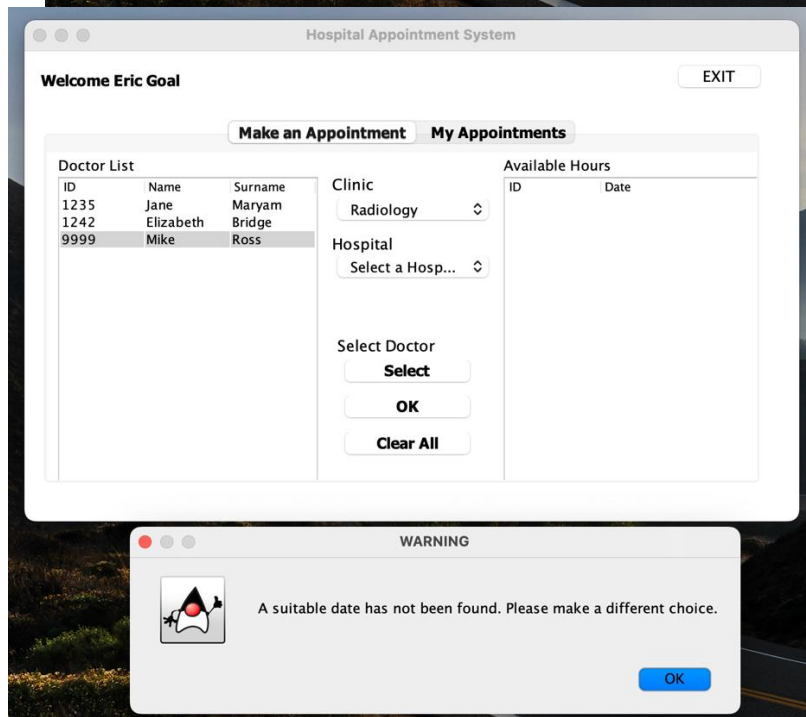
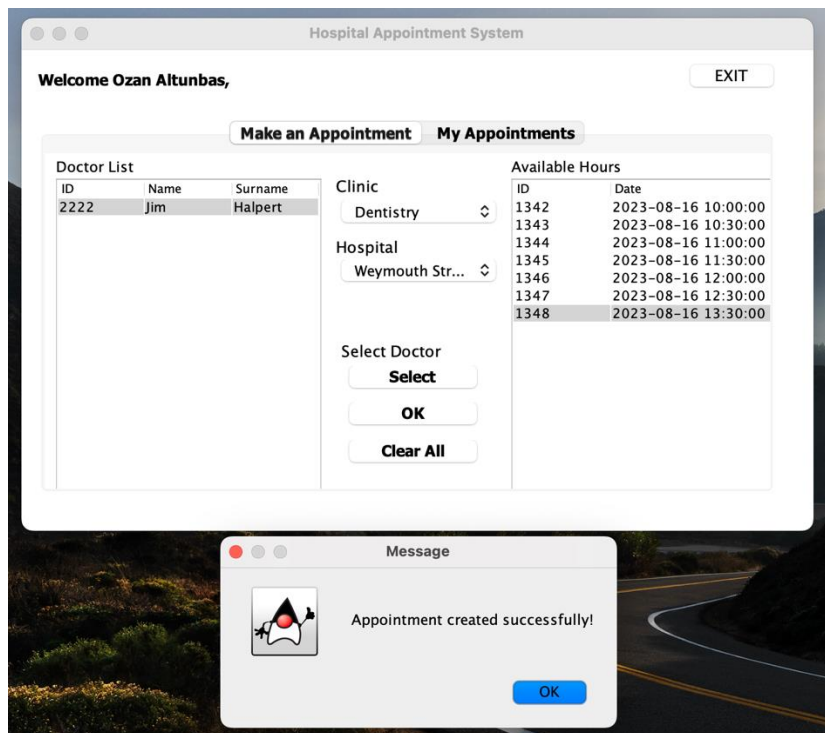
Login page.



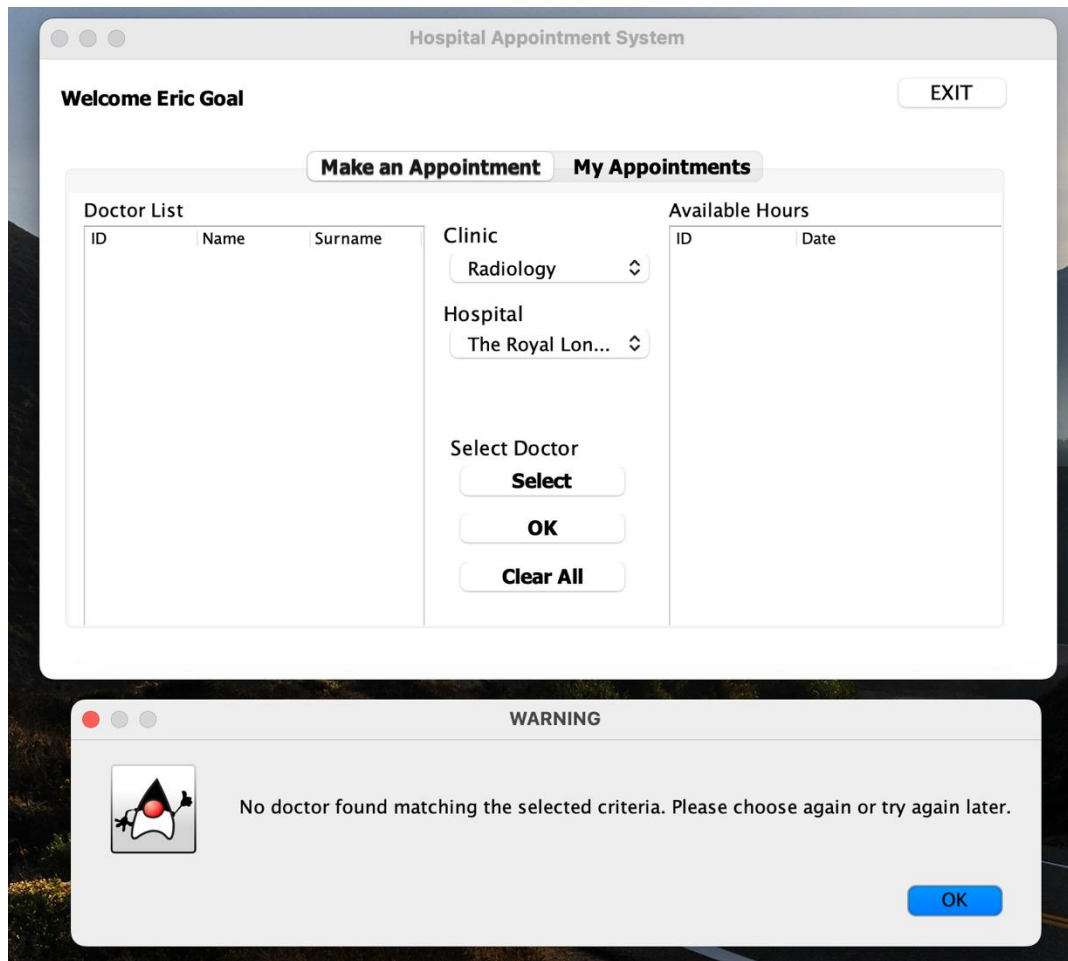
The image shows a web application window titled "Hospital Appointment System". In the top right corner, there is an "EXIT" button. The main heading is "Patient Registration". Below this, there are four input fields: "Id" (containing "7070"), "Name" (containing "Ozan"), "Surname" (containing "Altunbas"), and "Password" (containing "mecky"). To the right of the password field is a checkbox labeled "show password" which is checked. Below the password field, there is a "Sex" section with two radio buttons: "M" (selected) and "F". To the right of the "Sex" section are two buttons: "Sign Up" and "Clear All".

Below the main registration form, there is a "Message" dialog box. It contains a small icon of a person with a red heart and a checkmark, and the text "Your registration has been completed". There is an "OK" button at the bottom right of the message box.

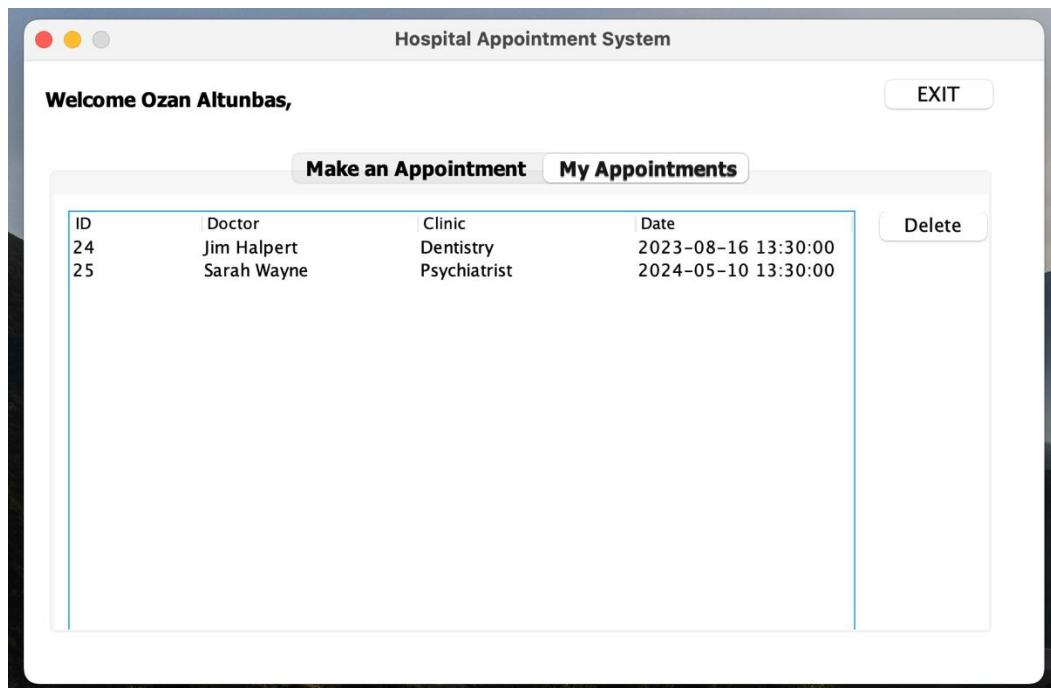
Register page.



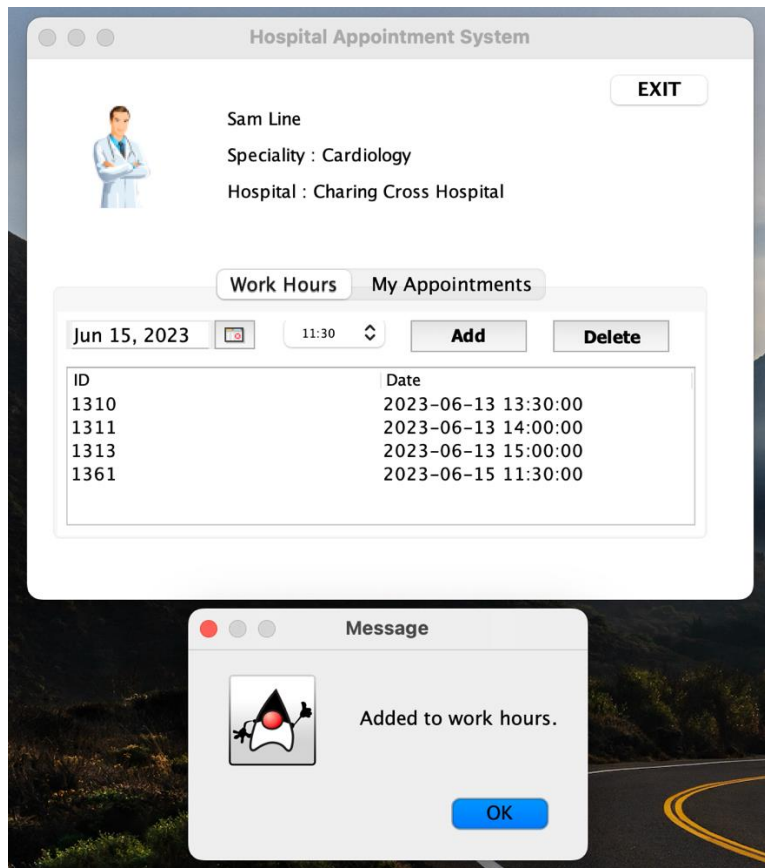
Patient GUI where a patient can book an appointment and get a validation message or there is no available dates in searched criteria and gets an error message.



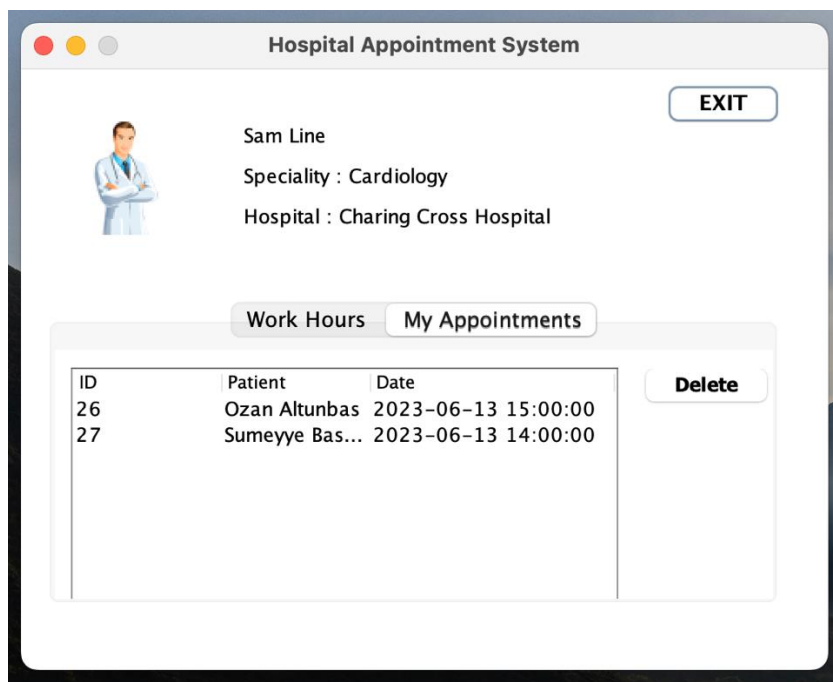
If the clinic is not in the selected hospital, the error message will be shown.



Patient page to show appointments where the appointment can be deleted.



Doctor GUI where a doctor can add or delete their work hours. Past dates cannot be added.



The page where a doctor can see their appointments and delete them.