Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No   : CSE2100
Course Title   : Software Development II

Project Name: Hospital Management System
Section: C
Lab Group: 5

Submitted To:

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Introduction:

Hospital management system is a computer system that helps manage the information related to health care and aids. The purpose of the project entitled as "HOSPITAL MANAGEMENT SYSTEM" is to computerize the Front Office Management of Hospital to develop software which is user friendly, simple, fast, and cost – effective. It deals with the collection of patient's information, diagnosis details, etc. This management system plays a vital role between patients and doctor to make an interactive session. It provides knowledge about different diseases and helps patients to make an appointment according to their symptoms.

Objective:

The Hospital Management System can be entered using a username and password. It is accessible either by an admin or patient. Only admin can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast. In this management system there are several sections which stores the information of patients and doctors. This management system helps patients to know about their symptoms and take an appointment.

Implementations:

> ➢ Login and signup for admin and patient.
> ➢ Menu Page for patients.
> ➢ Finding doctors in perspective of diseases and then taking appointments.
> ➢ Schedule for appointments.
> ➢ Health queries.
> ➢ Medicine remainder.
> ➢ Check-out.
> ➢ Admin can edit patient's schedule.
> ➢ Admin can edit doctors list edit.

Requirements:

I. Hardware Requirements:
   a. Laptop or Desktop, Mouse, Keyboard
II. Software Requirements:
   a. Net Beans IDE 8.2
   b. phpMyAdmin 4.9.0.1
   c. XAMPP Control Panel v3.2.4
   d. Rs2xml.jar
   e. Jdk1.8

      f.   MySQL-Connector-java 8.0.23.jar
      g. Commons-codec-1.4
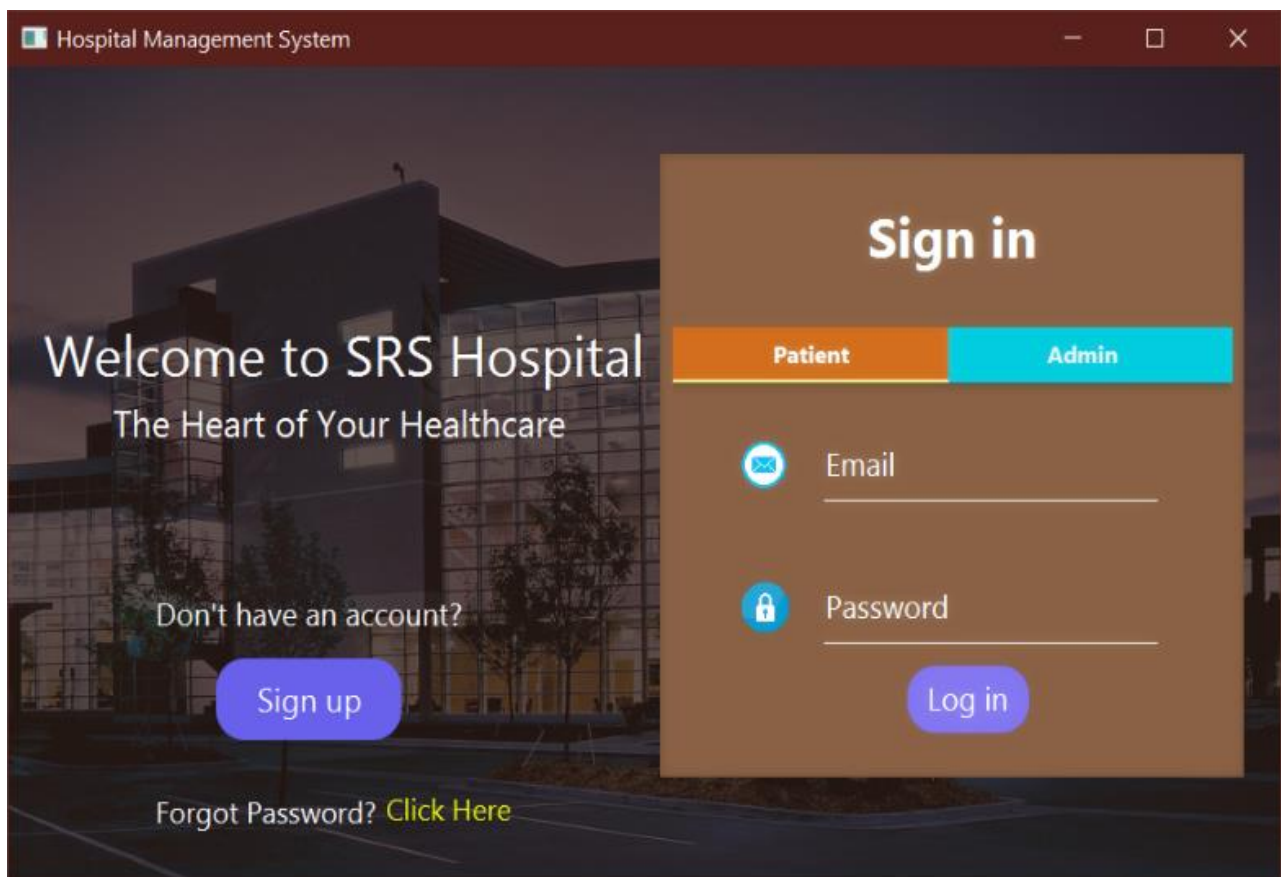   h. Jfoenix-8.0.10

Project Description:

Hospital Management System

Our project is an interactive project which makes a relation between patient and doctor. In this project we have mentioned different types of diseases. Patients can choose doctors according to their diseases and make an appointment.
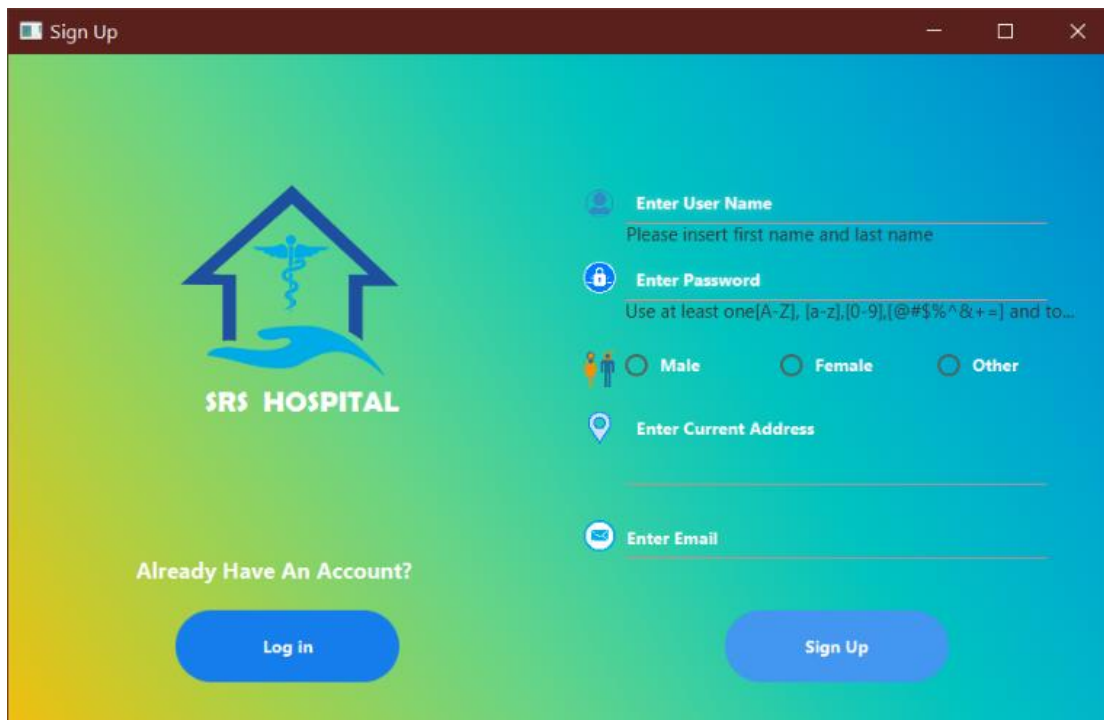
At first there is a home page in our project. Here, Patients can sign in with their email and password.

Also, Admin can sign in with their email and password.

There's a sign-up button for new patients.


Home Page.

Sign up page for new patients.

Forgot password page for patients who have forgot their password. From here they can recover password and then log in.
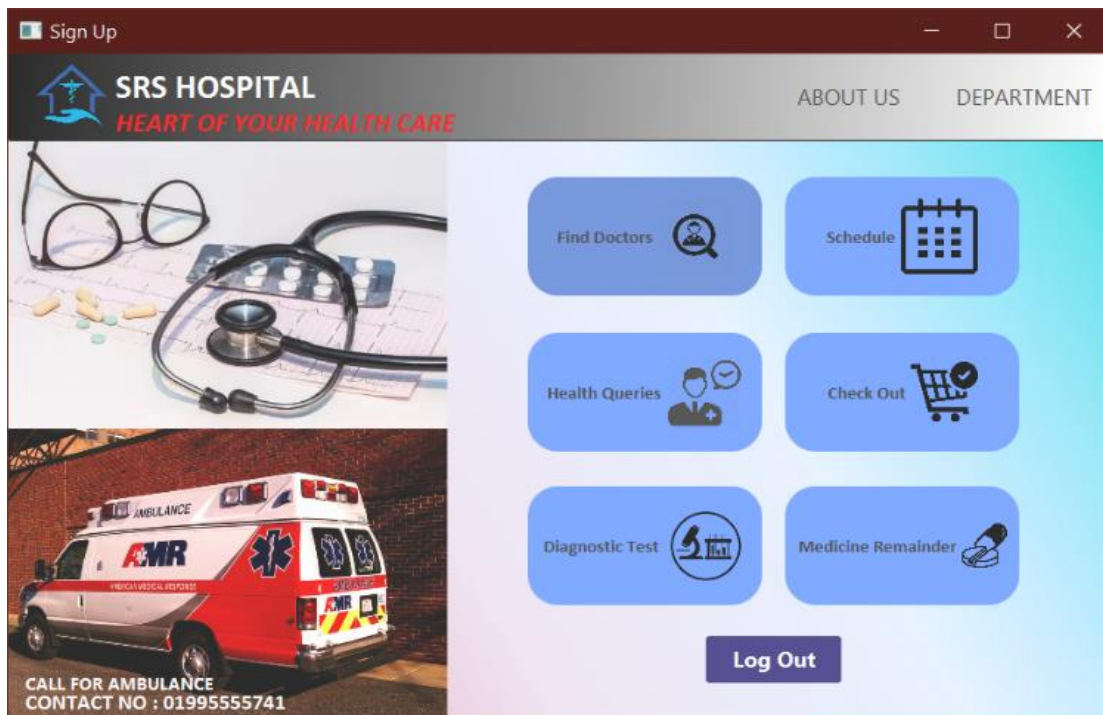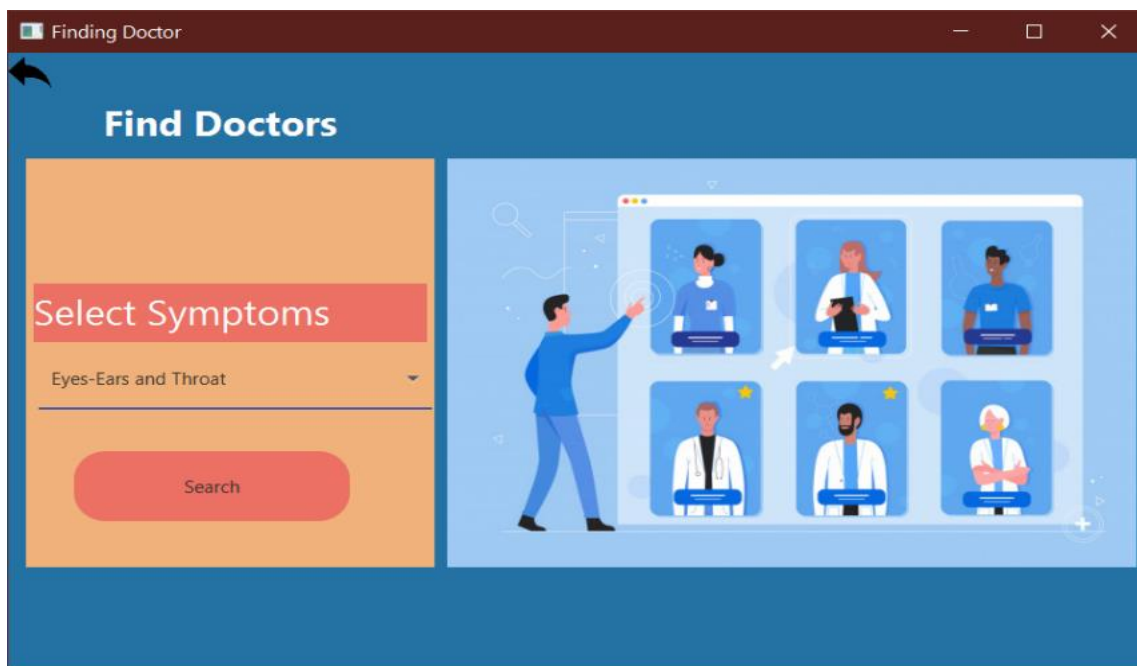
After successfully Sign in, Patients can see the Main menu page. From here they can interact with various facilities like finding doctors and taking appointments,seeing their taken appointment schedules,keep medicine record.
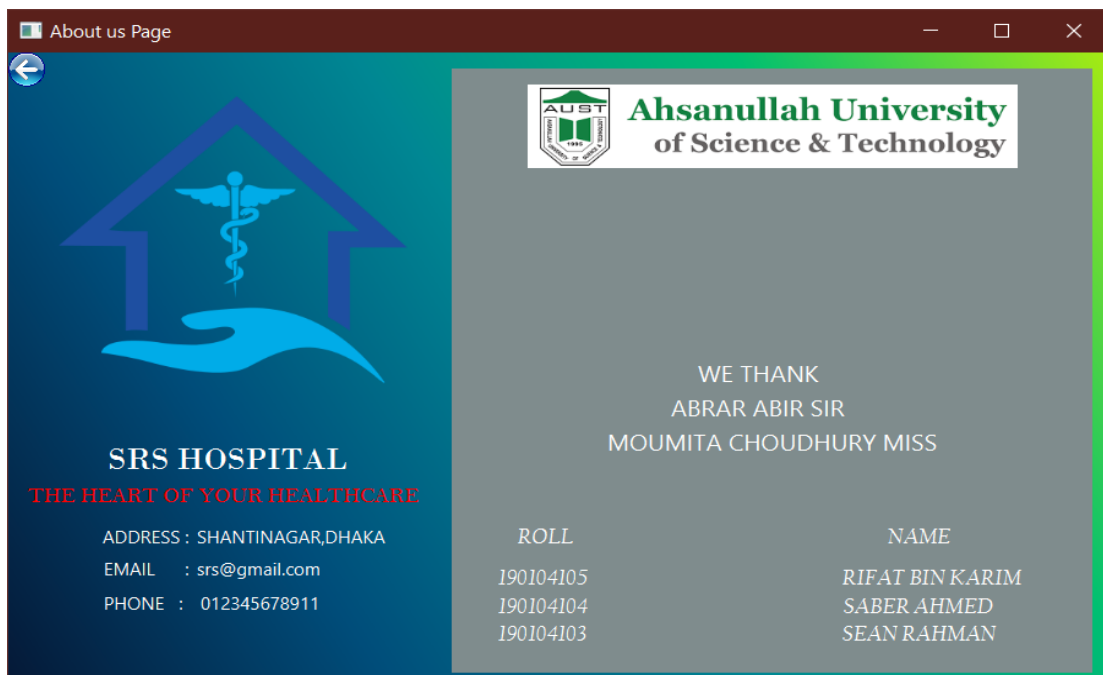
About Us page.
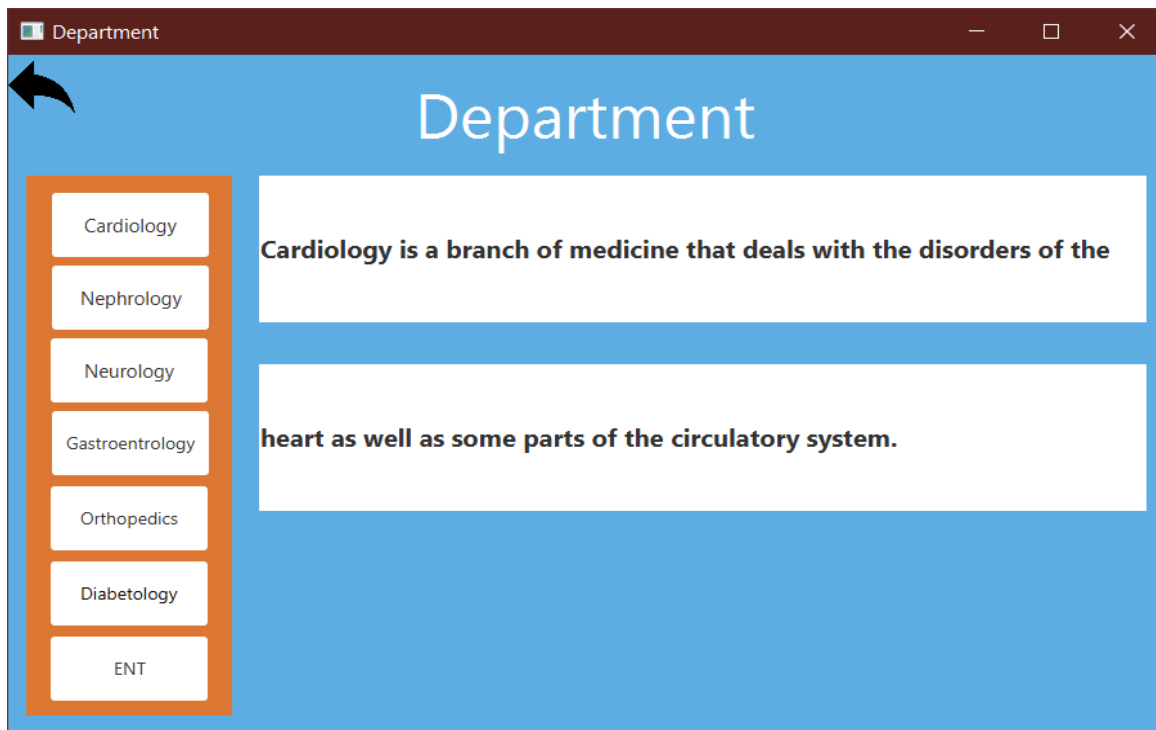
Department Page. Here, a short description of the existing departments has been given for the patients.

Finding Doctors Page. From here patients can choose their desired departments and doctors and then take appointments.

Doctors list according to the chosen department of the patients.

Appointment page for taking appointments. Here, Patients can choose their date of birth, appointment date and slot.

ID	Name	Email	Gender	Date of Birth	Slot	Appointment Date	Doctor's Name	Department
10	Saber An...	saber@g...	Male	2021-03-01	03:45 PM - ...	2021-03-31		
11	Saber Ah...	saber@g...	Male	2021-03-24	3:30 PM - 0...	2021-03-13		
15	Sean Rah...	sean@gm...	Male	2021-03-04	10:30 AM - ...	2021-03-20	Dr. Farhana Ah...	Heart
16	Sean Rah...	sean@gm...	Male	2021-03-19	03:45 PM - ...	2021-03-19	DR. M BAHADU...	Liver and Ki.
17	Sean Rah...	sean@gm...	Male	2021-03-19	04:45 PM - ...	2021-03-13	PROF. DR. MA ...	Diabetese
18	Sean Rah...	sean@gm...	Male	2021-03-04	03:45 PM - ...	2021-03-20	Dr. Fowaz Huss...	Gastric
19	Sean Rah...	sean@gm...	Male	2021-03-18	04:15 PM - ...	2021-12-22	BRIG. GEN. (DR....	Heart
20	Sean Rah...	sean@gm...	Male	2021-03-09	04:15 PM - ...	2021-03-31	Dr. Fowaz Huss...	Gastric
23	Sean Rah...	sean@gm...	Male	2021-03-18	04:45 PM - ...	2021-07-23	Dr. Fazlul Hoque	Arthritis
24	Sean Rah...	sean@gm...	Male	2021-03-02	04:15 PM - ...	2021-03-30	DR. MD. ZIA UD...	Arthritis
25	Sean Rah...	sean@gm...	Male	2021-03-11	10:30 AM - ...	2021-08-19	DR. MD. ZIA UD...	Arthritis

Patient Schedule page. Patients can see their appointments here.

Medicine Remainder page for patient's medicine records. Patients here can input their medicines name, medicine power, starting and ending date and time for taking medicines. They can also delete a medicine from record.
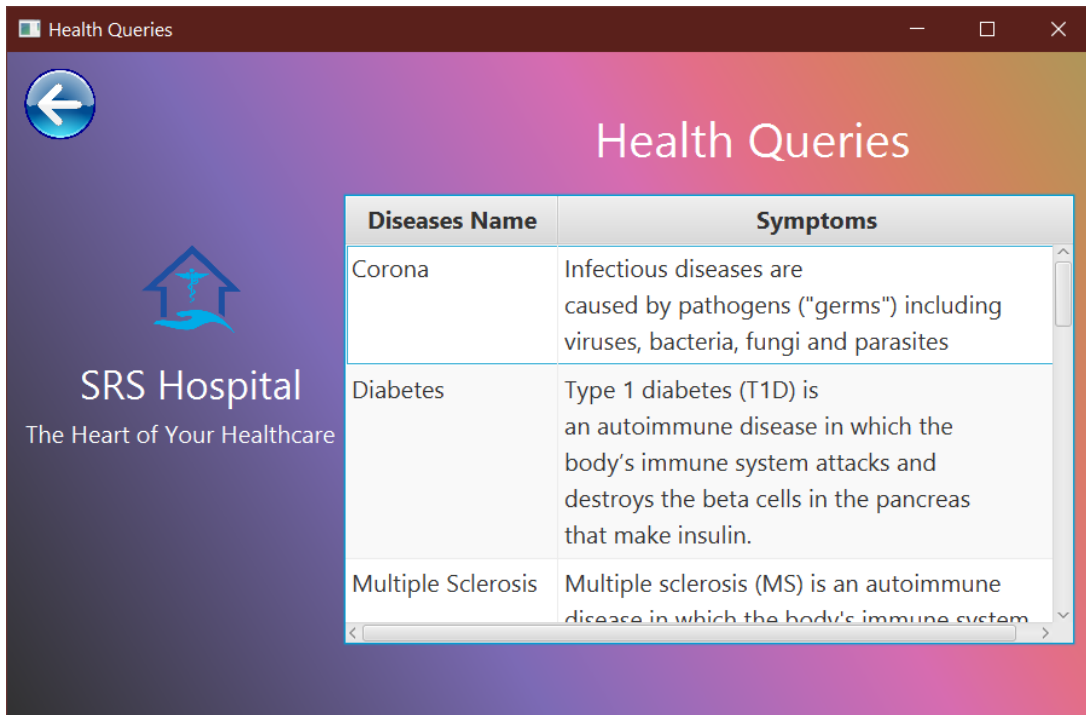
Health Queries. A short knowledge about diseases are given to the patients.
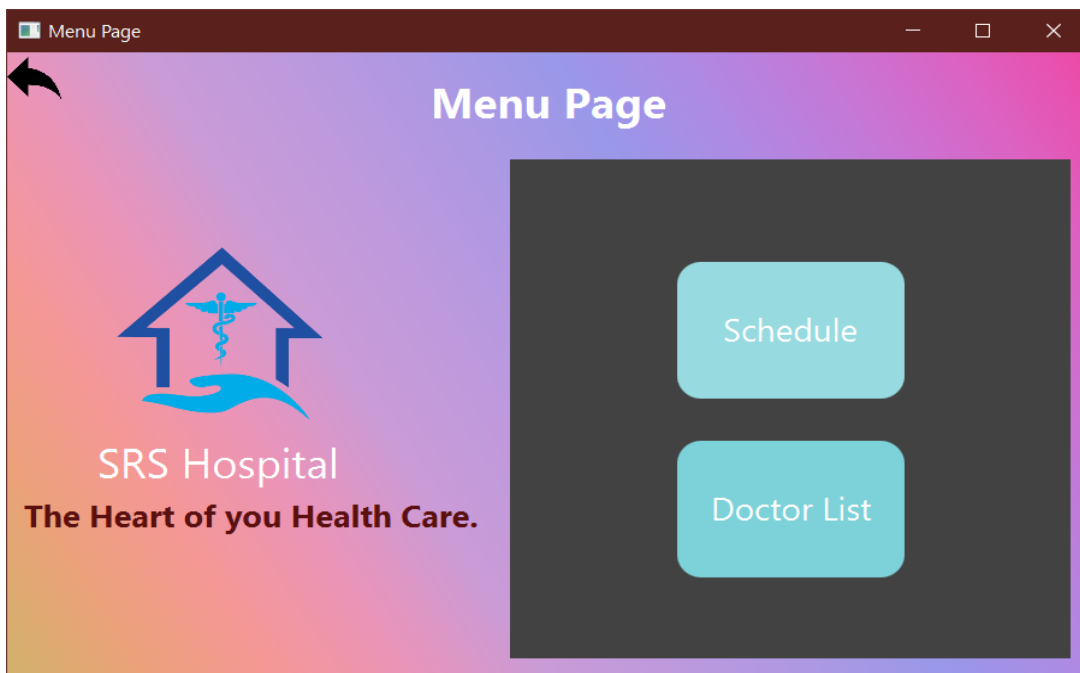
Admin Menu Page for editing Patient's schedule and Doctor List.

The admin can delete patients schedule when their appointment time is over.

Also admin can edit, update, remove doctors from doctor list.
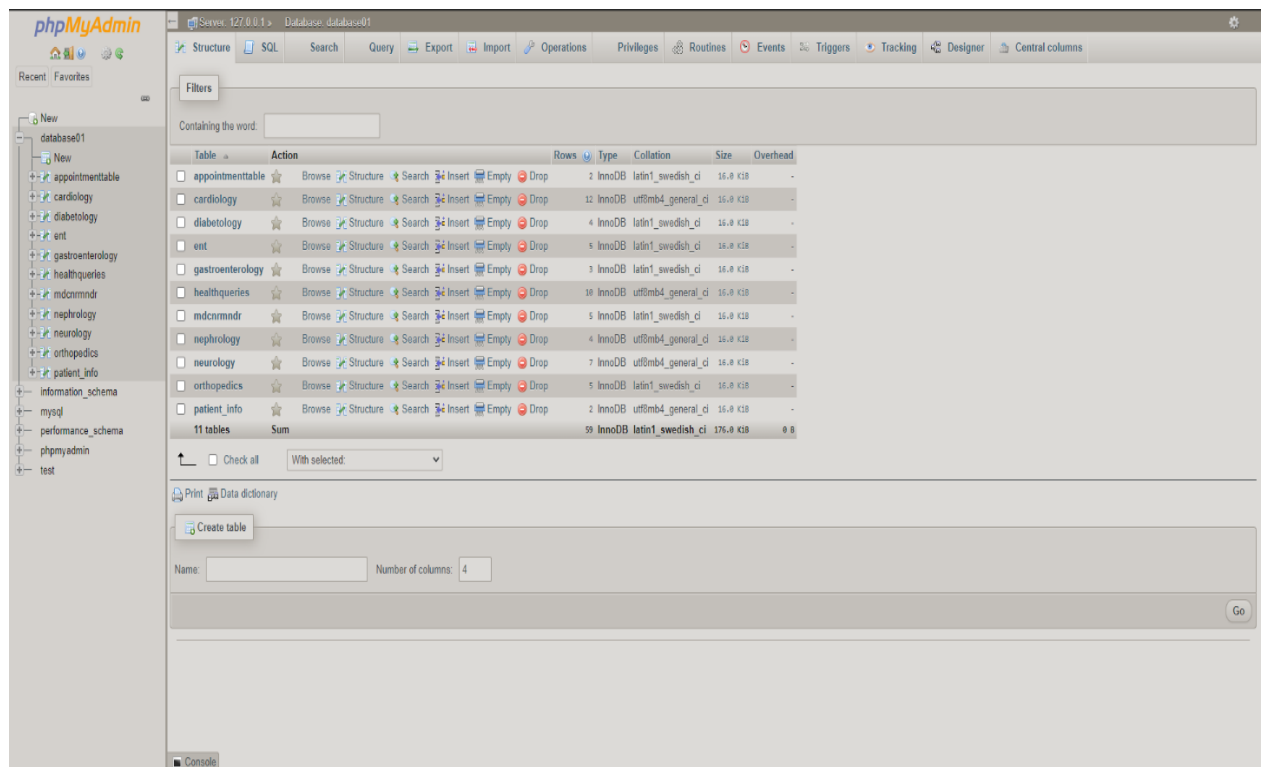
Admin can add new Doctors.

Admin can update Doctors Fees.

Data Base:

Future Plan:

- ➤ Improve GUI.
- ➤ Make user friendly.
- ➤ Add more functionality.

Conclusion:

The main aim of this project is to help the patients to find their doctors according to their diseases and take appointments. Database is used to keep record of the appointments and the information of the patients and doctors. It makes all operation of the hospital easy and user friendly. Different features have been added in this project to handle different parts of hospital management.