FARHANUL NAYEL

CIS 344

FINAL PROJECT

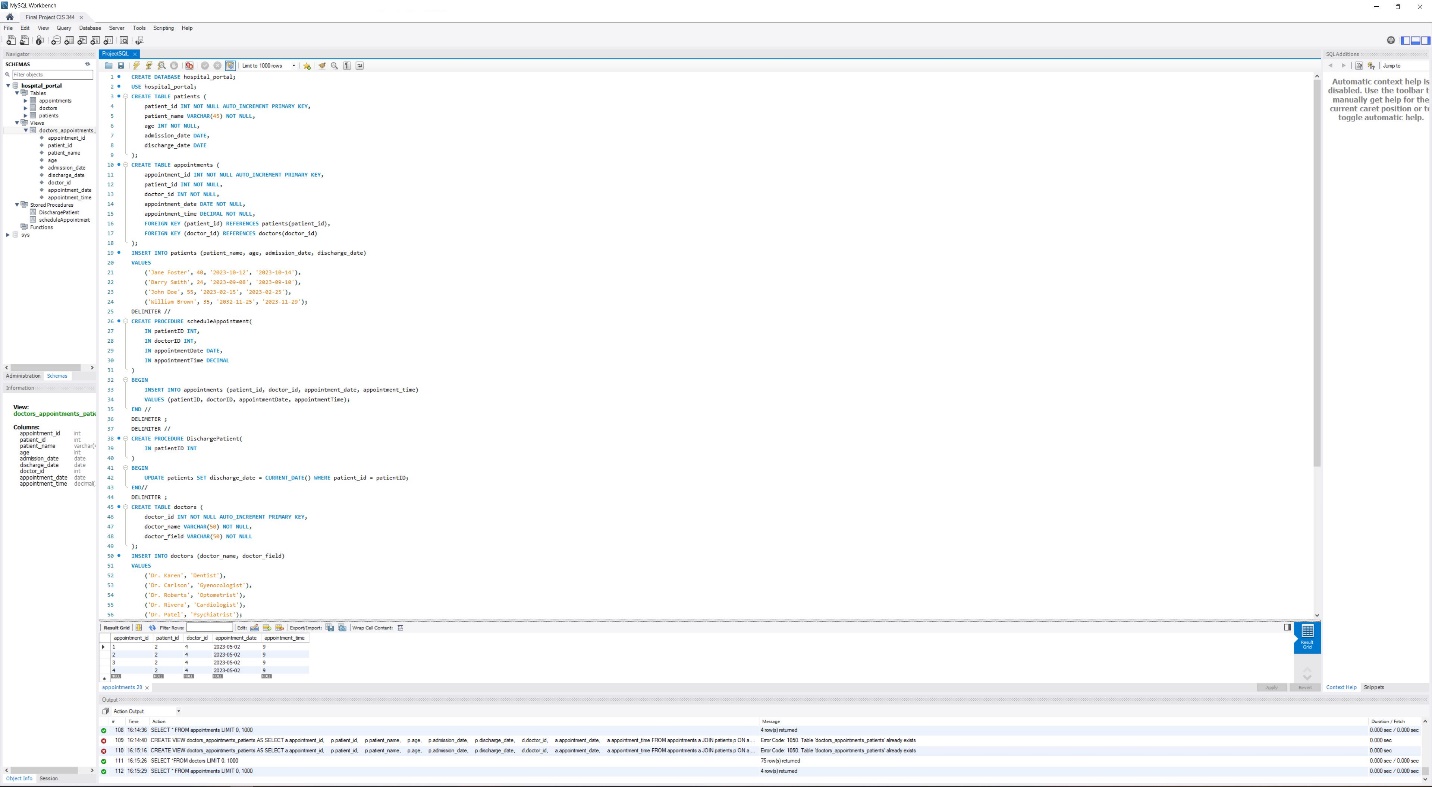
The objective of this project was for us to be able to use mySQL and use the data from within it to create a portal with the help of Python. So first thing first, I created a database named hospital\_portal, then we used it and created tables. The first table was patients which contained the ID, name, age, admission date and discharge date. Next I created another table named appointments which contained the appointment id, patient id, doctor id, appointment date and appointment time. Here I inserted two foreign keys, patient\_id, and doctor\_id. Next I inserted some patient values like their name, age, admission date, and discharge date. After that I created a procedure scheduleAppointment which contains patientID, doctorID, appointmentDate, appointmentTime. After that I inserted some information into the appointments table such as patient id, doctor id, appointment date, appointment time, and gave them the values patientID, doctorID, appointmentDate, and appointmentTime. Next I created a procedure called DischargePatient. Then I created a table named doctors, and gave it three columns doctor\_id, doctor\_name, doctor\_field and I inserted some values into the table. Afterwards I created a view that contained the join of doctors, appointments, and patients. Next I called scheduleAppointment to test it and everything ran smoothly.

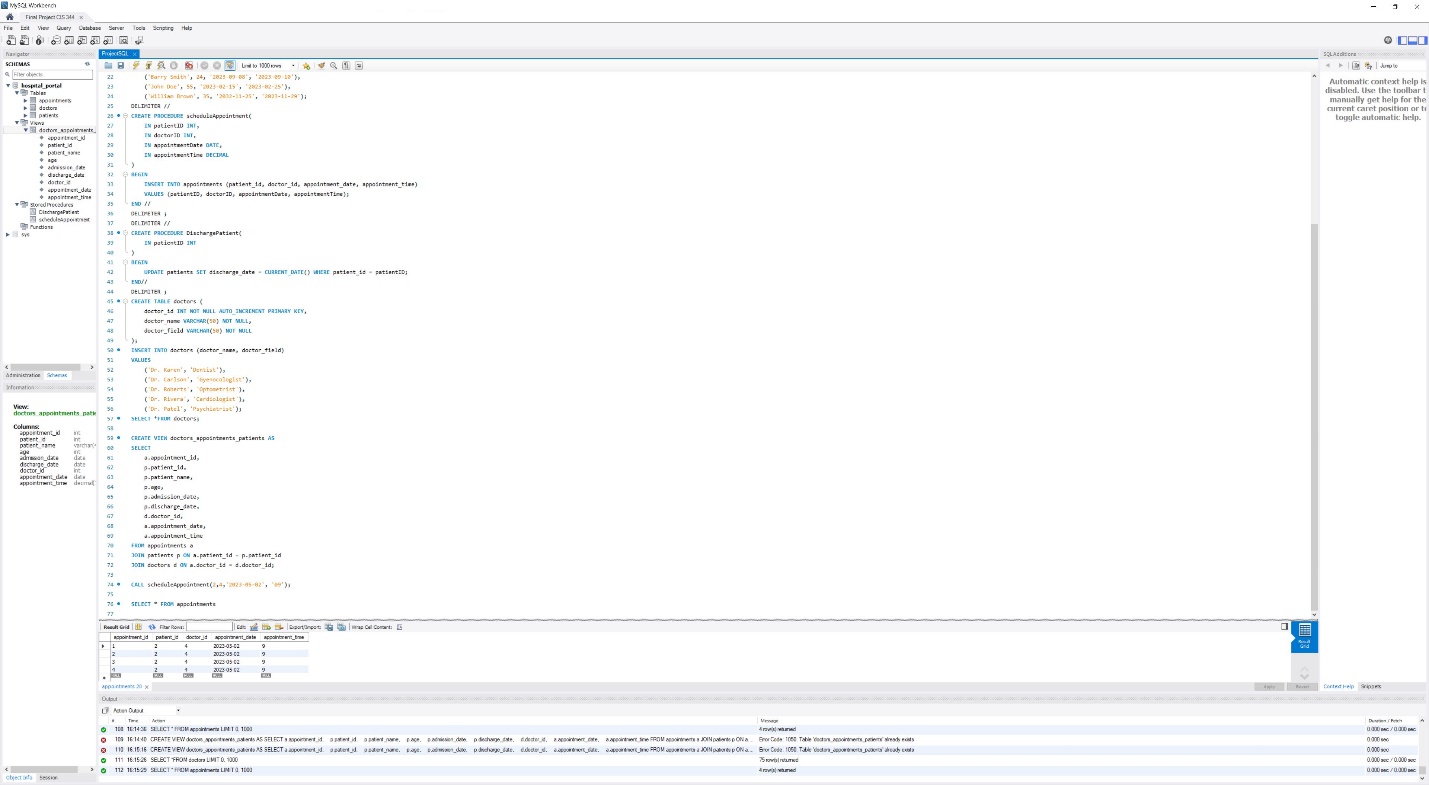
Next step was setting up the portalDatabase in Python. The first parts of this was already done which was a huge guideline for what I dad to do next. So I followed the provided portion of the codes to pretty much fill in the blanks. All I had to basically do was set up the different queries for each of the fields, and that was pretty much all I had to do for the portalDatabase along with updating the root password for the database to be accessible.

After the portalDatabase, I set up the portalServer. Here also a lot what we had to do was already given so I just followed what was given as a template to write my codes. Here we did have to deal with whether we would use the post method or get method for certain parts of the code. It was already given that we had to use the post method for addPatient which is used for sending data to the database. I also added the discharge patient using the post method along with schedule appointment. Then I moved along to the GET method which is used for retrieving data from the database. GetAllPatients was already given so I used this as a template to add patient, schedule appointment, view appointment, and discharge patient. Also the end was already provided where the server address = localhost and port 8000 was already chosen.

Overall this project has taught me a lot including, how to use mySQL, python, and how to connect the two. I feel like this is very helpful learning material because whether someone used these or not in the future, it can be considered very valuable knowledge to have as leverage. This can leverage someone’s job application and resume.

APPENDIX



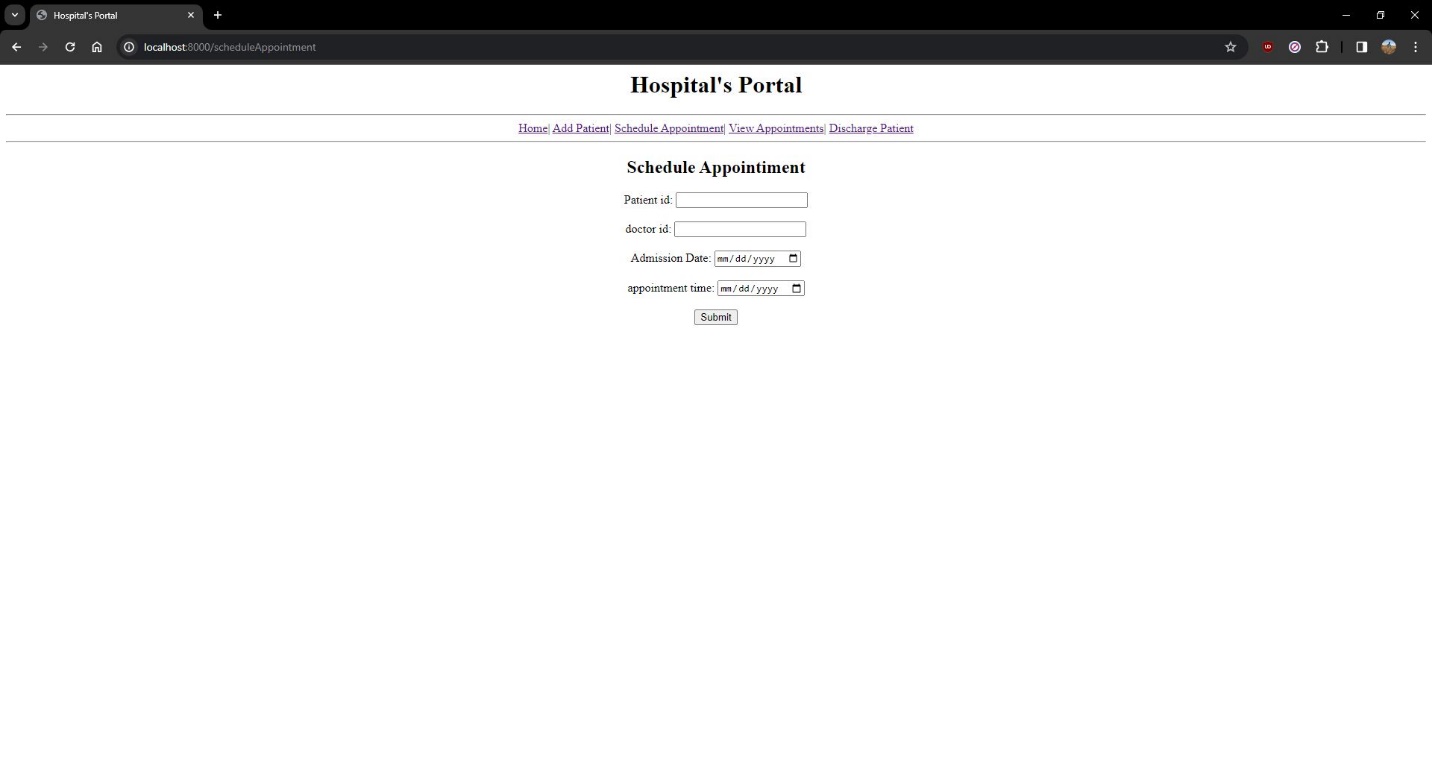
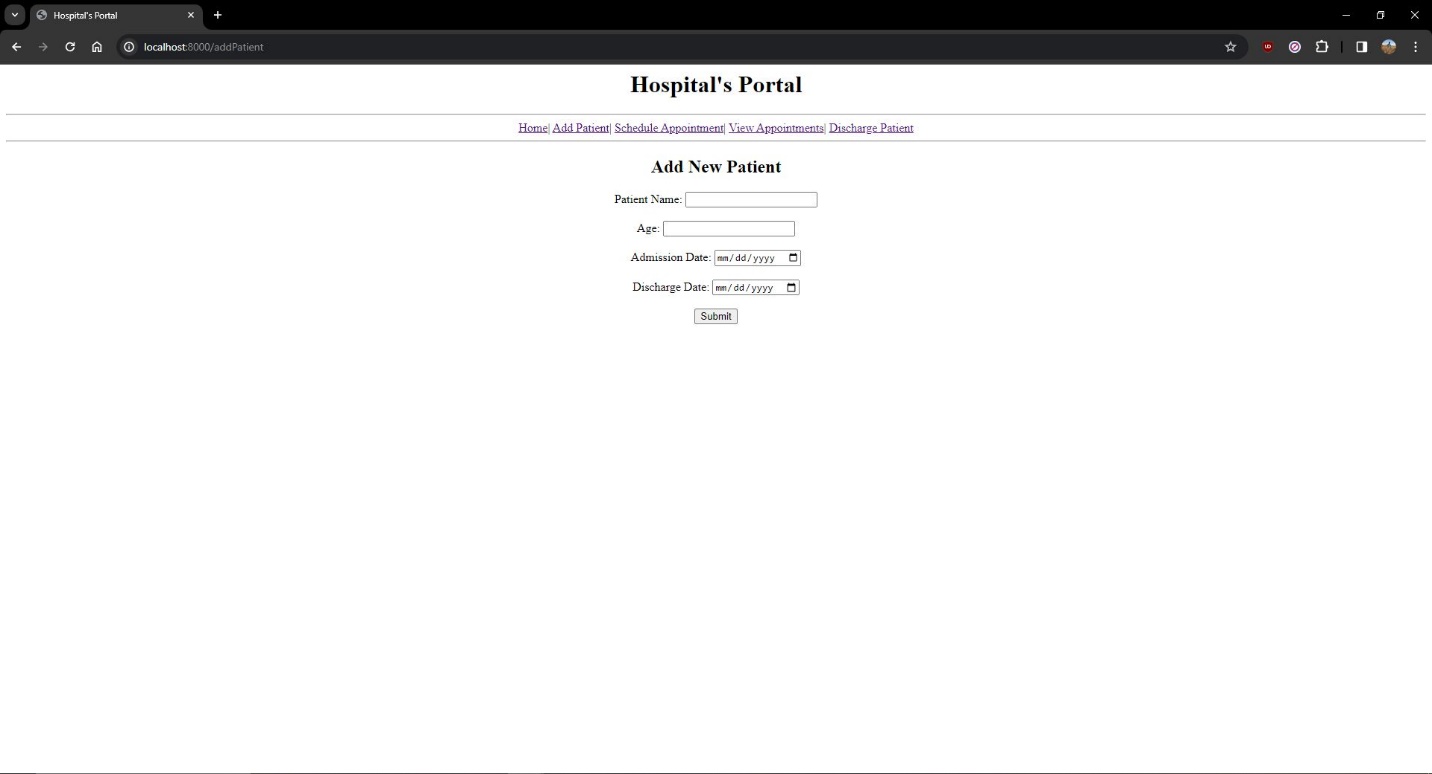
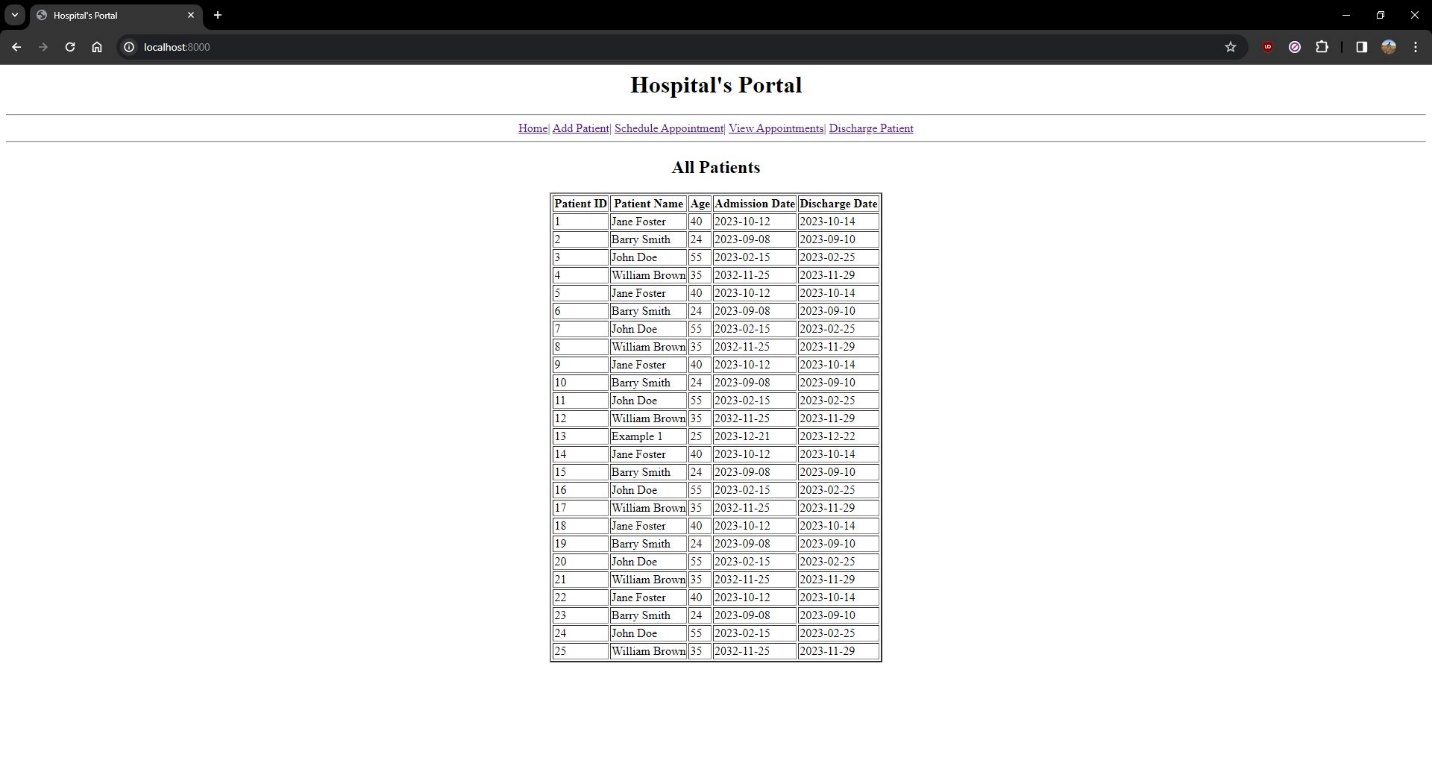










A screenshot of a medical portal

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