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CIS 344

Fall 23

CIS 344 Final Project Report

To begin the project I created the hospital\_portal database in MYSQL workbench. I used the create database function to create hospital\_portal. I constructed three tables within the database. First was the patients table, with the following attributes: patient\_id, patient\_name, age, admission\_date, and discharge date. Second was appointments table with the following attributes: appointment\_id, patient\_id, doctor\_id, appointment\_date and appointment\_time. The final table created was the doctors table, with the following attributes; doctor\_id, doctor\_name and specialty.

I have added some pictures of the tables created along with the some values that I input.

A screen shot of a computer

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A screenshot of a computer

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After creating the tables and created some stored procedures for ScheduleAppointment, UpdatedPatientDetails and DischargePatient. I began with the Delimiter and create procedure functions to initialized the procedure. I also included some parameters in the procedure. I also iinserted some values. Altogether I created three procedures: ScheduleAppointment, UpdatePatientsDetails and DischargePatient.A computer screen shot of a computer code

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Description automatically generated A screenshot of a computer program

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I had to download and install the mysql.connector in order to connect mysql with python. To see the files populate on the web browser, I had to input my correct host information, port number and password. I also had to ensure the database file was correct. After that worked, I added to the rest of code to complete the rest of the project in the portaldatabase.py file.

A screenshot of a computer code

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After the portaldatabase.py was complete I moved on to the portalserver.py file.

This file was a bit difficult for me add to the already given code. I worked on two sections using the do\_post and do\_get methods. The do\_get method helps to retrieve data and the do\_post method is allows us to send data both on the server. I implemented so code to enhance the functionality, although some codes worked and some did not for some reason. I added the call

self.database.addPatients(). Also some of the HTML coded need to be edited to show each different link we need to access to input or update information. This was a lot of trial and error. Each time code was updated I need run the portaldatabase and portalserver to see what issues still were there. Although some work well, I still have some links that do not work.

I added some final pictures of my codes below.

A screenshot of a computer code

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A screenshot of a computer program

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