Main Screen:

User starts up program and is presented with 3 options:

Logging in

Adding Data

Shutdown

Logging in will take the user to the Login Screen where they can login or add a new user. Choosing to add data allows the user to enter a path of the sql file they wish to parse (as long as it’s in in the same folder as hospital.py). Shutdown allows the user to close the program.

Login Screen:

The login screen prompts the user for their login and password and allows them restricted access to the database depending on their role. It presents them with 4 options:

Enter ‘newuser’ to add a new user into the system

Enter ‘shutdown’ to close the program entirely

Enter ‘exit’ to go back to the Main Screen

Enter your login to begin the login process.

The login process consists of entering the username and password pair.

If the pair match a pair in the database, then the user moves to the Action Screen

The new user entry takes the user to the New User Screen.

New User Screen:

From the New User Screen the user can choose to exit back to the Main Screen by typing ‘exit’ or begin by entering their desired staff\_id.

The New User Screen will prompt users for desired entries for the tuple:

(staff\_id, role, name, login, password)

And then prompts them to ask if they want to commit their decision (y), reject it and try again (n) or exit to the Login Screen.

After they choose their option, they will be returned to the Login Screen if they choose yes or exit, or back to the start of the New User Screen if they choose no.

Action Screen:

From here, the user can choose to execute actions related to their Role by entering one of 5 numeric commands. For example, the nurse Action Screen has the following appearance:

What option would you like to choose?

(1) Create a new chart/add a patient

(2) Close a patient's chart

(3) Same as 1. for the doctors.

(4) Same as 2. for the doctors.

(5) Logout user

Selection:

Where the user can enter 1 through 4 to choose an action, or 5 to logout and return to the Login Screen.