Utilities.py:

Contains functions that are either common to multiple parts of the whole program or were placed here to clean up the code and make it more readable. Every function in Utilities that starts with “get” is a fetcher for whatever value follows and it does constraint checking to ensure the value retrieved will not cause an error/cause problems with other segments when entered into the database (like hcno must be exactly 5 digits and must be only numeric).

The only different ones are:

Access\_hcno: a function used when adding a new patient into the database, skips the check to see if the hcno already exists and instead implements it in Nurse system as a check for whether to enter into the new user system or just open a new chart. If the hcno is already in the system, then open a new chart, otherwise add the new patient.

Greeting: used in hospital.py as the main screen. Get’s a correct option from the three provided

New\_chart\_id: starts at ID 00001 and increments until it finds one that isn’t in use, then returns it. Used in Nurses to open a new chart.

Parse\_file: takes the path of a .sql file and then runs the contents.