ii. Design of the solution – high-level architecture of your system, database design (table model in 3NF), UI design.

Our design of the system was to create different tables for each important part of the system. The main components (tables) are the patient and visit table. Every other table was used to reference data for the main tables. By implementing the tables this way, we achieved third normal form. The frontend was created with Java GUI libraries. We decided to use Java for our frontend because it allowed for less dependencies. We followed the layout given by the instructions and created something similar. Our backend was created through JDBC and MYSQL. Our program works by having buttons on the UI which, when clicked, call functions from our other classes and creates a SQL statement or query that returns/adds a response/entry.