**Test Cases Document:**

­­Login (Authentication):

* Test login with valid username and password
* Test login with valid username and invalid password
* Test password field visibility
* Test blank fields submitted
* Test invalid login message

View Bookings

The view bookings feature, and database implementation query the database by inputting the month, and year to result in available data that pairs with the input

* Test connection with the database to print the details
* Test the login details to verify if they match with the data in the database

Change Doctor

The change doctor feature on the patient interface allows the data in the patients table in the database to be updated to the new doctor ID with the doctor and patient receiving confirmation messages.

* Test the confirmation button updates the data to the database
* Test the doctor selected is a valid ID
* Test the doctor selected is an invalid ID
* Test the change doctor button shows a confirmation message

Arrange Booking

The arrange doctor feature on the patient interface allows the patient to choose an available date and time from the database with both the doctor and patient receiving confirmation messages from the system

* Test the confirm booking button sends the data to the database
* Test the date and time is available in the database
* Test the view messages is updated with the entry

Reschedule Booking

The reschedule booking feature on the patient interface allows the patient to change their booking date using their booking ID and send confirmation messages. It should warn the patient if the doctor is unavailable on certain days.

* Test the confirmation button updates the data in the database
* Test the input date is an invalid entry
* Test the input date is a valid entry
* Test the doctor is not available on input date
* Test the doctor is available on input date

DB Manager

The Database Manager controls the database integration and handles the retrieval of all the relevant data needed from the entities, it will allow the patient interface to import and use the methods.

* Test the connection with the database
* Test to check the username and password input matches with patient credentials in database
* Test the input matches with the patient ID
* Test to get messages of patient that matches input
* Test to get stored bookings of patient that matches the input
* Test to insert a new booking entry
* Test to change current doctor
* Test verifying the input doctor ID is valid
* Test to register new patient with all their information
* Test to get visit details for a patient with correct patient ID
* Test the logs are created and added to the table