**The project has covered the following:**

 Database driven pages: the database is used by doctors and patients to contact each other. It is also used by Patients to submit their records, the records could be checked by doctors.

 Pages with access control: All pages has access control to each other and to databases. Also for patient account, when he logs out and he tries to use the button to go back to the previous page this cannot be done because the patient has already logged out.

 Back-end pages to key in data into the database: I have used PHP pages and html pages to get data from users and add them to the database. For example, a patient can add a record so he press the button to add a record then this pages call an html file that allow the patient to fill in the details. After that the HTML file calls a PHP file to save the records in the database.

 Ajax is used to display the doctor name in the page practitioner.php

 Use of bootstrap templates & JavaScript: Bootstrap is used patient page after login. JavaScript is used with Ajax in doctor's page after the login. I used Ajax to bring and display the doctor's name.

**How could this project be used in real life?**

The purpose of the project is to facilitate communication between patients and doctors.

It allows doctors to check the patient's updates and to notice if an urgent action should be taken.

It allows patients to record all their medical details so that they can know how their daily medicines.

An administration part should be integrated to manage the appointments and registrations.

Instead of integrating an administration, I have used XML files to save the doctors and patients. A verification for names is done. Doctor's names are represented by: Doctor1…Doctor8, and patients are represented by Patient1...Patient8.

**What you can do using this website is:**

Log in as a Doctor or patient

Communicate with a doctor or patient.

Check your messages (you can see the messages sent to you).

Check appointments (For the appointments the database is static also because it should be covered by the administration. So I have added appointments manually using MyphpAdmin).

When you check messages, you can only see the messages that has been sent today.

Patients can save their records and doctors can check them every day. However, doctors can only see the records that has been saved in the current day.

Patients can see the history of all their records.