

American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation

Project Report

Spring 20-21

Project Title: Online Health Service

Section: O

|  |  |
| --- | --- |
| Student Name | Student Id |
| Anika Saba Ibte Sum | 20-43242-1 |
| Md. Yeasir Hossain | 20-43211-1 |
| Md. Washim Akram | 20-43232-1 |
| K.M. Dahiatul Kalby | 18-36717-1 |

**Introduction:**

The Online Health Service is an automated system. The main purpose of this website is to help improve and optimize all the processes of take appointment and medical service. This website has four users who are admin, doctor, patient, and patient coordinator. Patient can easily find doctors and take appointment on online. Admin can manage whole system data like doctor data and schedule, patient data, doctor data and appointment.

**Background Study:**

Regarding the previous pandemic, everything tends to get into online. Online also provides a vast options and choice to select an appropriate object. In this pandemic situation, going to hospital and take medical service is a great hassle and very unsafe especially for older patient. Taking appointment of doctors is very time consuming. This website tends to remove this hassle and save time of patient. Some websites were checked to before building this project,

1. <https://intmedicaltreatment.com/Bumrungrad-International-Hospital/Appointment-Request?gclid=CjwKCAiAprGRBhBgEiwANJEY7BiNCkJ3RC3W6mddwwToVkhXzMj61-ZsrW7NHtuFksvLasH___Sf3xoCP7MQAvD_BwE> - IMT is a Medical Tourism Facilitator and they only work to help link patients to high quality, licensed hospitals. We took the idea of linking with patients and doctors from this website.
2. <https://jewmch.com/telemedicine/> - From this website, we took the idea of arranging our website pages and it is used to have the idea of static page theme.

**Requirement Analysis:**

1. User Category:

There are 4-types of Users here. They are:

* Admin
* Doctor
* Patient
* Patient Coordinator

1. Feature List:

In this project the “**Admin**” has the following features:

* Login/Logout
* View profile
* Edit profile
* Forget password
* Change password
* Change profile picture
* Check patient’s data
* Check doctor’s data
* Check patient coordinator’s data

In this project the “**Doctor**” has the following features:

* Sign up
* Login/Logout
* View profile
* Edit profile
* Forget password
* Change password
* Change profile picture
* Check patient’s history
* Check patient report
* Prescribe medicine

In this project the “**Patient**” has the following features:

* Sign up
* Login/Logout
* View profile
* Edit profile
* Forget password
* Change password
* Change profile picture
* Check doctor’s list
* Take appointment
* Cancel appointment
* Check prescription
* Upload report
* Pay online fees (Bkash, Rocket, Nagad)

In this project the “**Patient coordinator**” has the following features:

* Sign up
* Login/Logout
* View profile
* Edit profile
* Forget password
* Change password
* Change profile picture
* Schedule any doctor availability data and manage that data like edit or delete it
* Process appointment
* Handle payments

**Design:**

Draw an entity diagram of your project here.

Diagram

Description automatically generated

**Tools Used:**

To develop this project, we have used the following:

• Browser, for output

• XAMPP, for server-side

• Sublime, for writing code

• Dia, for database designing

**System Images against the Specification:**

Give few screen shots of some GUIs (Midterm project) and write a very small description (Maximum 40 words) for each of the GUIs.

|  |  |
| --- | --- |
| Public home page of our website  Graphical user interface, text, application  Description automatically generated | Patient login page  Graphical user interface  Description automatically generated with medium confidence |
| Patient registration page  Graphical user interface, table  Description automatically generated | Patient forget password page  Graphical user interface, text  Description automatically generated |
| Patient dashboard  Text  Description automatically generated | Patient view profile page  Diagram  Description automatically generated with medium confidence |
| Patient edit profile page  A picture containing table  Description automatically generated | Patient change profile  Graphical user interface, application  Description automatically generated |
| For patient change password form profile  Graphical user interface, text  Description automatically generated with medium confidence | View of doctor’s list from patient |
| For taking appointment | Patient view of prescription  Text  Description automatically generated |
| For payment  Diagram  Description automatically generated with low confidence | Without login forget password |
| Admin login page | Admin forget password |
| Admin dashboard | Patient details |
| Doctor’s list | Admin view profile |
| Doctor home  Text  Description automatically generated | Doctor login  A picture containing box and whisker chart  Description automatically generated |
| Doctor registration  A picture containing table  Description automatically generated | Doctor forget password  A picture containing graphical user interface  Description automatically generated |
| Doctor dashboard  Text  Description automatically generated | Doctor view profile  Diagram  Description automatically generated |
| Doctor edit profile  Table  Description automatically generated | Doctor change profile picture |
| Doctor change password  Text  Description automatically generated with low confidence | Appointment list from doctor view  Table  Description automatically generated |
| Patient coordinator login  No description available. | Patient coordinator signup  No description available. |

**Impact of this Project:**

This website allows the patients to take appointment of specialized doctors of different categories. patients can easily find doctors and take medical service on online. In our country, there is no direct online platform to take doctor’s appointment directly. The situation is therefore a problem for senior patients who are unable to move, and it is very unsafe to move outside during this covid-19 pandemic situation. So, because of this website patients will be able to take appointment easily and it will save their time.

**Limitations and Possible Future Improvements:**

There are some limitations of this website. Patients who are with emergency situation, can’t get any help through this website. There is no connection with any hospital in this website. Patients can take just consultation about their normal problems through this website. we can make some improvement like we can add ambulance service for emergency situation, medical shop, hospital appointment, reference of diagnostic center etc.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CO1.1 and CO2.1 Evaluation: Project Report Evaluation | | | | | |
| Project Proposal  (5) | Background  Study  (5) | Requirement Analysis  (5) | Entity  Diagram  (5) | System Images  against the  Specification (5) | Total (25) |
|  |  |  |  |  |  |
|  | | | | | |