

**North South University**

**PROJECT PROPOSAL**

**CSE299: JUNIOR DESIGN**

**SEC: 08**

**Instructor**SHAIKH SHAWON AREFIN SHIMON (SAS3) **Due Date: 14th** February 2019, **Thursday**

**PROJECT TOPIC: ONLINE DOCTORS MANAGEMENT SYSTEM**

**GROUP MEMBERS:**

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**ONLINE DOCTORS MANAGEMENT SYSTEM**

The purpose of our project is to simplify and automate the process of searching for good doctors in case of emergency. We hope to create a system where individuals can book an appointment with their desired doctor with relative ease. The website would contain the necessary details of all sorts of specialized doctors.

The website would allow the users to find their desired doctors based on their search criteria. The users would be allowed to book appointments only after they have done half of the payment through online banking.

**Motivations:**

Currently it is much of a hassle to find a good doctor and also booking an appointment adds further to the misery. In the worst cases, the patients go through much greater trouble when they fall under the immoral scheme of the brokers. This website would provide the users to create a medium for a more direct communication with the doctors in an attempt to establish a better experience to the patient.

**Features:**

* **Login:**

The system provides security features through username-password matching where only authorized user can access the system.

* **Admin Login:**

Admin would have full access to the website and its database (except the confidential information of the users). There would be a default administration account, and with a separate URL. The authority is advised to change the default admin ID for security reasons.

List of activities associated with this type of accounts are:

* View all information
* Modify
* View all number of appointment
* Delete user account
* Retrieve user account by resetting & setting password upon request

**User Login:**

* Create account
* Login
* View specialized doctors for each disease all over the country
* Take appointment
* Know the timing
* Pay fees
* **Doctor profile**:

The system will create a profile for each doctor. The records of all doctors are kept in one centralized database and thus reducing duplicate data in the database.

* Section they are specialized in will be given
* Timing
* City & hospital they are available in
* **Book Appointments:**

User can book appointments with half of the payment through online banking.

* **Specialized doctors:**

The system will create an extra option where user can find the doctor who are specialized in their respective fields.

**Real life impact:**

* People can use it while at home or anywhere
* Will be benefited by knowing about the specialized doctors and their timing
* Can take appointment from anywhere
* Can use while emergency
* The lobbing system can be reduced

**Business Model:** Our main focus is on collecting revenues from the fees that are paid to the doctors by the patients.

**Banking Partners:** To take the appointment one need to pay the half fees via online banking. Our service would try to incorporate as many banking partners as possible to ensure a seamless experience for the customers.

The banking partner needs to be aware that the product would have access to these information.

* Transaction ID.
* Transaction time.
* User making the transaction.
* Transaction amount.

**Market Deployment:** The product would be released as Website into the online world. First 3 months it will be free of cost. After 3 months we will take 5% of the doctor’s fees from the users to take an appointment.

**Project plan:**

* **Month-1:** Data collection and Front-end/UI Design (for front-end we will use html, CSS, bootstrap, jQuery )
* **Month-2:** Back-end and database add. (for back-end we will use raw PHP & for database MYSQL)
* **Month-3:** Testing and Extra Features add

**Frontend Framework:** Bootstrap