

Software Requirements Specification

for

Online Hospital

Prepared by: Marufa Tasnime (1620287642)

08 July 2019

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Chapter 1

Introduction:

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.

1.1 Purpose:

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.

1.2 Intended Audience:

The patients or the general people who will take appointments will be the audience of this website. Along with the patients the system will create a profile for each doctor. The records of all doctors and patients will be kept in one centralized database. Besides there would be a default administration account, and with a separate URL. Admin would have full access to the website and its database.

1.3 Intended Use:

The website would allow the users to find their desired doctors based on their search criteria. By using this website the users can take appointments to

the doctors they want but they would be allowed to book appointments only after they have done half of the payment through online banking.

1.4 Product Scope:

- >> 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 lobbying system can be reduced

1.5 Risk Definition:

- >> The domain may get down any time
- >> Problem may occur in the database like it may fail to save the info of the patients.

Chapter 2

Overall Description:

2.1 User Classes and Characteristics:

Admin:

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

User:

- >> Create account
- >> Login

- >> View specialized doctors for each disease all over the country
- >> Take appointment
- >> Know the timing
- >> Pay fees

Doctors:

- >> Section they are specialized in will be given
- >> Timing
- >> City & hospital they are available in

2.2 User Needs:

Currently it is much of a hassle to find a good doctor and also booking an appointment adds further to the misery. 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.

2.3 Operating Environment:

An operating environment is the environment in which users run application software. Our project is mainly a website. It'll run in OS or browser. A user can also use it from any mobile browser.

2.4 Constraints:

It is a mainly a website. People can also access it from mobile but cannot have it as a mobile app.

2.5 Assumptions:

We're optimistic that this website will make people's life easier whenever they'll be needed to visit a doctor or book an appointment. Now they do not need to go through all that hassles anymore for taking an appointment of any doctors or surgeons of this city.

Chapter 3

Requirements:

3.1 Functional Requirements:

Functional requirements specify a function that a system or system component must be able to perform.

Admin: Admin can view all information and modify and delete them

User: After creating account or login they can view specialized doctors for each disease all over the country and take appointment

3.2 Non Functional Requirements:

The system's overall properties remarkably mark the distinction between whether or not the event project has succeeded or unsuccessful. Non-functional necessities can be divided into two main categories: Execution qualities, like security and usefulness and evolution qualities, like liabilities, maintainability, flexibility, and quantifiable.