**Software Requirements Specification**

**CuresU**

# Document Information

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| Version | 1.0 |
| State | Draft |
| Approved By | Prof. Shruti Bhilare |
| Date | 01-05-2020 |

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# ***Introduction***

CuresU is a platform for private doctors and patients. This app can be used to consult doctors online as well as book appointments for visiting the doctor's clinic. The patient can pay online or cash on appointment for each appointment. Here prescriptions will be mailed to the patient and his/her history will also be maintained.

# ***Purpose***

The purpose of the SRS is to detail out requirements for CuresU application for private doctors and patients considering the usage of the existing system and doing further study on additional user scenarios. This document will eventually describe the features of the application for management of its all activities related to consults a doctor or book an appointment.

# ***Scope***

Provide online workflows of consulting doctors, listed below:

1. Patients and doctor's registration and information.
2. Consult a doctor.
3. Appointment booking and payment accordingly.

# ***Definitions, Acronyms, and Abbreviations***

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| SRS | Software Requirements Document |
| HR | Human Resources |
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# ***Requirements***

This SRS is split into two categories – Functional Requirements and System Requirements. The Functional requirements detail out the functionality of CuresU application from a patient’s perspective. The System requirements deal with a set of requirements and expectations that could be implicit from a patient’s perspective, for example, the performance requirements, and therefore are quantified in System’s specification. Defining system characteristics related to reliability, maintainability, and portability, etc. also come under System requirements.

## *Functional Requirements*

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| --- | --- | --- |
| Req. ID # 1 | **CuresU fully supports all workflows required by the doctor to treat their patients :** | Stack Rank #1 |
| Description | A doctor is responsible to cure their patients and provide treatments to them accordingly :   1. Set appointments. 2. Get information about his/her patients. 3. Provide a prescription to the patients. 4. View the medical history of the patients. 5. Take payment accordingly.   A patient is responsible to provide proper information on their problem and follow the instructions given by the doctor :   1. Request for an appointment. 2. List the symptoms they have. 3. Do payment accordingly. | |

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### *Non-functional requirements:*

1. Each doctor must be authenticated before accessing any of the functional requirements. (i.e. Authentication)
2. Each patient must be authenticated before accessing any of the functional requirements. (i.e. Authentication)
3. Each doctor and patient should be able to perform actions that he/she is supposed to perform. No other actions can be performed by the user. (i.e. Authorization)
4. Have to take an offline appointment if needed or told by the doctor.
5. Generated reports must be accurate.
6. If any error occurs in the system, there should be a proper error message.

## ***System Requirements***

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### *Reliability*

* System architecture shall ensure back-up and recovery are implemented and affected upon the system going live.
* The system should implement a disaster recovery plan to ensure that data about patients is not lost even in the event of catastrophic failures.

### *Security*

* The Ph.D. doctors are allowed to register to the application, not any other doctors are allowed.

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### *Operating Environment*

* First, it will operate on Internet Explorer version 6 and Google Chrome. In the next increment, it will browse other browsers like Mozilla, Firefox, and for their different version also.
* We will use Eclipse as an IDE for Java(Hibernate ).
* It can be open on windows, macOS, and anything that supports Java or web browser.
* The video device should support graphics. For the clear view of graphics and to see video latest flash player should be installing.
* Ram should be or greater than 512 MB.

### *Design and Implementation Constraints*

* Default Language will be English. In the next increment, we will provide the facility to see the web in other Languages.

### *User Documentation*

* We will give the complete documentation of the project along with software.
* We will also provide a user manual.

*Tools and Technologies*

Software

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| --- | --- |
| Frontend | Java 8u201 |
| Backend | MySql 5.5 |
| Ide | Eclipse 4.9, SQLyog 11.11 |
| Framework | Hibernate |