***REQUIREMENTS***

***HOSPITAL SOFTWARE SYSTEM***

P**ERFORMANCE REQUIREMENTS**

**Response time**- The system will give responses within 1 second after checking the patient information and other information. **Capacity**-The system must support 1000 people at a time. **User interface**- User interface screen will response within 5 seconds

**SAFETY REQUIREMENTS**

If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed up log, up to the time of failure. All the administrative and data entry operators have unique logins so system can understand who is login in to system right now no intruders allowed except system administrative nobody cannot change record and valuable data.

**SECURITY REQUIREMENTS**

1. Want take the responsibility of failures due to hardware malfunctioning. 2. Warranty period of maintaining the software would be one year. 3. Additional payments will be analyzed and charged for further maintenance. 4. If any error occur due to a user’s improper use. Warranty will not be allocated to it. 5. No money back returns for the software.

**SOFTWARE SYSTEM ATTRIBUTES:**

**Usability**: Software can be used again and again without distortion.

**Availability**: The system shall be available all the time.

**Correctness**: Bug free software which fulfills the correct need/requirements of the client.

**Maintainability:** The ability to maintain, modify information and update fix problems of the system. **Accessibility**: Administrator and many other users can access the system but the access level is controlled for each user according to their work scope.

**FUNCTIONAL REQUIREMENTS**

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| **DESCRIPTION** | **APPLICABLE ROLES** | | **MODULE NAME** | **Number opertatio** | |
| **PATIENT**: Can login using unique Id and Password after this system shall show his/her profile. **DOCTOR**: Can login using unique Id and Password after this system shall show his/her profile.  **ADMIN**: Can login using unique Id and Password after this system shall show a profile with links to maintain the website. | PATIENT DOCTOR ADMIN | | LOGIN | 1 | |
| **PATIENT**: Can Register by filling all the required details, after this the system will verify the details and check if already registered or not. | PATIENT | | REGISTRATION | 2 | |
| **PATIENT**: Can Select doctor, date time and make an appointment request after this system shall show a confirmation for appointment request. | PATIENT | | MAKE APPT. | 3 | |
| **PATIENT :** Can Cancel appointment if want to by just one click after this system shall ask for re-schedule or refund of payment. **DOCTOR** : Can Cancel appointment if want to by just one click after this system shall send a message to the patient. | PATIENT DOCTOR | | CANCL APPT | 4 | |
| **PATIENT** : Enter payment details and make payment after this system shall show the generated bill by the hospital. | PATIENT | | PAYMENT | 5 | |
| **ADMIN** : Can add a new doctor by filling all the details after this system shall show a confirmation message. Can Remove a doctor by just one click after this system shall show confirmation message. | ADMIN | | DOCTOR  MODULE | 6 | |
| **PATIENT :** Can view payment history or can search for a particular bill also after this system shall show a bill or history. Can also See or search for a doctor by entering dept. name or doctor id if known after this system will check for the doctor if found shall show doctor’s profile. Can also update details after this system shall ask for re-enter password and after verifying password shall update details. | PATIENT | | PATIENT MODULE | 7 | |
| **DOCTOR** : Enter Patient Id and after this all the treatment details and medicine, remark and advice for the patient after this system shall show a message for update | | DOCTOR | ADD  PRESCRIPTION | | 8 |