**3.2 Doctors Requirements:**

**3.2.1 View Medical History of the patient**

|  |  |
| --- | --- |
| **Use Case ID:** | **hms/uc/02-01** |
| Use Case Description: | This use case describes the flows of viewing medical history and past reports of a patient |
| Actors: | Doctor |
| Preconditions: | 1. Doctor must be authorized user. Doctor must be logged into the system. 2. Doctor must have "View" access privilege on central patient database. 3. Medical history must be existed in system for the particular patient. 4. Doctor must know the central ID of the patient 5. Doctor must submit the security code every 7 days in the system that is given to the patient when accessing the central database. |
| Post conditions: | 1. Doctor can see detail medical history and all medical reports of the patient. |
| Normal Flows | 1. **Doctor:** Will initiate to view the existing medical history of the patient using central patient ID. 2. **System:** Will ask for the security code that is passed to the patient via message. 3. **Doctor:** Will submit the security code 4. **System:** Will display medical history and past reports. 5. **Doctor:** Will choose the following parameter to find the desired information.    1. Medical condition name    2. Report name 6. **System:** Will display medical history and past reports based on the selection criterion. |
| Alternative Flows: | N/A |
| Exceptions: | N/A |
| Frequency of Use: | High |
| Notes and Issues: | N/A |
| Cross Reference: | NA |

**3.2.2 Prescribe Medication**

|  |  |
| --- | --- |
| **Use Case ID:** | **hms/uc/02-02** |
| Use Case Description: | This use case describes the flows of prescribing medication to a patient and saving the history to local and central database. |
| Actors: | Doctor |
| Preconditions: | 1. Doctor must be authorized user. Doctor must be logged into the system. 2. Patient must be registered in the central database. 3. Local Database must have "Update" access privilege on central patient Database. 4. Local database submits the security code when admitting a patient in the central patient database valid for 7 days. |
| Post conditions: | 1. Prescription is saved in the local and central database 2. Prescription is passed on to the pharmacy Department |
| Normal Flows | 1. **Doctor:** Will create a prescription for the patient. 2. **System:** Will ask for the patient ID 3. **Doctor:** Will submit the patient ID 4. **System:** Will save the prescription in local and central database and pass the prescription to the pharmacy department |
| Alternative Flows: | N/A |
| Exceptions: | N/A |
| Frequency of Use: | Low |
| Notes and Issues: | N/A |
| Cross Reference: | NA |

**3.2.3 Prescribe Test**

|  |  |
| --- | --- |
| **Use Case ID:** | **hms/uc/02-03** |
| Use Case Description: | This use case describes the flows of prescribing a test to a patient and saving the history to local and central database. |
| Actors: | Doctor |
| Preconditions: | 1. Doctor must be authorized user. Doctor must be logged into the system. 2. Patient must be registered in the central database. 3. Local Database must have "Update" access privilege on central patient Database. 4. Local database submits the security code when admitting a patient in the central patient database valid for 7 days. |
| Post conditions: | 1. Test is saved in the local and central database 2. Test is passed on to the pharmacy Department |
| Normal Flows | 1. **Doctor:** Will prescribe a test to the patient. 2. **System:** Will ask for the patient ID 3. **Doctor:** Will submit the patient ID 4. **System:** Will save the prescribed test in local and central database and pass the test to the laboratory department |
| Alternative Flows: | N/A |
| Exceptions: | N/A |
| Frequency of Use: | Low |
| Notes and Issues: | N/A |
| Cross Reference: | N/A |

**3.2.4 View & Modify Appointment**

|  |  |
| --- | --- |
| **Use Case ID:** | **hms/uc/02-04** |
| Use Case Description: | This use case describes the flows of viewing and modifying appointment of a doctor |
| Actors: | Doctor |
| Preconditions: | 1. Doctor must be authorized user. Doctor must be logged into the system. 2. Doctor must have "View" and "Update" access privilege on local database. 3. Doctor must know the central ID of the patient 4. System must submit the security code when appointing the patient to a doctor for accessing the central database. |
| Post conditions: | 1. Doctor will prescribe medication or test that will be saved in local and central database |
| Normal Flows | 1. **Administrator:** Will assign a patient to a doctor using central patient ID. 2. **Doctor:** Will view his appointment. 3. **Doctor:** Will suggest medication or test to patient 4. **System:** Will save the prescription or test to central and local database. Pass it to laboratory or pharmacy deoartment |
| Alternative Flows: | N/A |
| Exceptions: | Doctor will cancel or postpone his appointments |
| Frequency of Use: | High |
| Notes and Issues: | N/A |
| Cross Reference: | NA |

#### 3.2.5 View and Modify Tasks

|  |  |
| --- | --- |
| **Use Case ID:** | **hms/uc/02-05** |
| Use Case Description: | This use case describes the flows of viewing and modifying Types of Tasks detail information of Doctor. |
| Actors: | Doctor |
| Preconditions: | 1. Doctor must be authorized user. Doctor must be logged into the system. 2. Doctor must have "View" access privilege on Types of Tasks detail information of Doctor. 3. Doctor must have "Modify" access privilege on Types of Medical Services. |
| Post conditions: | 1. Doctor can see detail information of selected Types of Tasks information in the system. |
| Normal Flows | 1. **Doctor:** will initiate to view the existing Types of Task. 2. **System:** Will display Types of Task information page showing the available list of Types of Medical Service. 3. **Doctor:** Will choose the following parameter to find and update the desired information.    1. Task Name 4. **System:** Will display and store Types of Service information based on the selection criterion. |
| Alternative Flows: | N/A |
| Exceptions: | 3a.Doctor: cancels update information.  3b. System: cancels update information. |
| Frequency of Use: | High |
| Notes and Issues: | N/A |
| Cross Reference: | N/A |

#### 3.2.6 See and Response Emergency Calls

|  |  |
| --- | --- |
| **Use Case ID:** | **hms/uc/02-06** |
| Use Case Description: | This use case describes the flows of Seeing and Response Emergency Calls of Doctor. |
| Actors: | Doctor |
| Preconditions: | 1. Doctor must be authorized user. Doctor must be logged into the system.  2. Doctor must be Available on any Emergency Calls.  3. Doctor must have access privilege to Response the Emergency Calls. |
| Post conditions: | 1. Doctor can see and response to the Emergency Calls. |
| Normal Flows | 1. **Administrator:** will initiate available doctor Assigned to the Emergency Calls.  2. **Doctor:** can see details of Assigning Doctor Information.  2. **System:** will display information page showing the assigned doctor to the Emergency Calls.  3. **Doctor:** will cancel his regular schedule to Response the Emergency Calls.  4. **System:** will Display and Store detail information of Emergency Calls. |
| Alternative Flows: | N/A |
| Exceptions: | 3a. Doctor: cancels update information.  3b. System: cancels update information. |
| Frequency of Use: | Medium |
| Notes and Issues: | N/A |
| Cross Reference: | N/A |

#### 3.2.7 Manage Users

|  |  |
| --- | --- |
| **Use Case ID:** | **hms/uc/02-07** |
| Use Case Description: | This use case describes the flows of Manage Users information. |
| Actors: | Doctor |
| Preconditions: | 1. Doctor must be authorized user. Doctor must be logged into the system.  2. Doctor must have view access privilege of users information.  3. Doctor must have modify access of users. |
| Post conditions: | 1. Doctor can see detail information of users in the system. |
| Normal Flows | 1. **Doctor:** will initiate to View the existing users.  2. **System:** will display information page showing the Users List of the system.  3. **Doctor:** will choose the user to Find and Update the desired change.  4. **System:** will Display and Store the updated users information. |
| Alternative Flows: | N/A |
| Exceptions: | 3a.Doctor: cancels update information.  3b. System: cancels update information. |
| Frequency of Use: | High |
| Notes and Issues: | N/A |
| Cross Reference: | N/A |