### **Scenario:-**

**Use case**: **Login**

**Diagram** :

System User

Login

#### Scenario:

|  |  |
| --- | --- |
| **Log in to the system** | |
| **Actor who initiates the use case** | System User |
| **Pre-condition** | The actor already has an account |
| **Basic path** | -The system user enters user ID and Password in the custom field.  -click on the login button.  -the system validation the entered username and  Password and logs the user into the system. |
| **Post condition** | The actor entered his account successfully |
| **Alternative Paths** | If the system user enters invalid ID or Password, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | System User |

**Use case**: **Edit profile**

**Diagram** :

System User

Edit profile

#### Scenario:

|  |  |
| --- | --- |
| Edit profile | |
| **Actor who initiates the use case** | System User |
| **Pre-condition** | The actor must be logged in to the system and has permission. |
| **Basic path** | By click on edit profile in user profile can edit his data such as their name, age, profile picture, email, and password from the form opend. |
| **Post condition** | The actor can edit this profile. |
| **Alternative Paths** | If the system user enters invalid or wrong data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | System User |

**Use case**: **Add Doctor**

**Diagram** :

Administrator

Add Doctor

#### Scenario:

|  |  |
| --- | --- |
| Add Doctor | |
| **Actor who initiates the use case** | Administrator |
| **Pre-condition** | The administrator had signed in to his profile (system), has permeation and the doctor give his data to the administrator. |
| **Basic path** | When the administrator login, he can add the Doctor to the website database and give him an account to make the doctor can do many functions. |
| **Post condition** | The doctor is added and has an account. |
| **Alternative Paths** | If the Administrator enters invalid doctor data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Administrator |

**Use case**:  Delete Doctor

**Diagram:**

Administrator

Delete Doctor

#### Scenario:

|  |  |
| --- | --- |
| Delete Doctor | |
| **Actor who initiates the use case** | Administrator |
| **Pre-condition** | The administrator had signed in to his profile (system), has permeation and the doctor give his data to the administrator |
| **Basic path** | When the administrator login, he can Delete the Doctor from the website database by click on delete button on the doctor row. |
| **Post condition** | The administrator deletes all the doctors |
| **Alternative Paths** | If the Administrator in specific doctor page he can also delete doctor by click on delete button on the page. |
| **Actor who benefits from the use case** | Administrator |

**Use case**:  **Accept Join Requests**

**Diagram:**

Administrator

**Accept Join Requests**

#### Scenario:

|  |  |
| --- | --- |
| **Accept Join Requests** | |
| **Actor who initiates the use case** | Administrator |
| **Pre-condition** | -The system is allowed to accept doctor join request  -The admin must be log in system  -The admin has permission to do this |
| **Basic path** | The system is available to accept doctors' requests by the admin, and requests for the doctor to join the site to work on it |
| **Post condition** | Admin accepts doctor join request |
| **Alternative Paths** | If the doctor is already existing, the system shall display an appropriate error message. |
| **Actor who benefits from the use case** | Administrator |

**Use case**:  **Add Specialization**

**Diagram:**

Administrator

**Add Specialization**

#### Scenario:

|  |  |
| --- | --- |
| **Add Specialization** | |
| **Actor who initiates the use case** | Administrator |
| **Pre-condition** | Admin had signed into his profile (system) and has a permeation |
| **Basic path** | When the admin login, he can add a specialization to the website database, and make patient can access to view it |
| **Post condition** | specialization is added |
| **Alternative Paths** | If the Administrator enters invalid Specialization data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Administrator |

**Use case**:  **Add Ambulance**

**Diagram:**

Administrator

**Add Ambulance**

#### Scenario:

|  |  |
| --- | --- |
| **Add Ambulance** | |
| **Actor who initiates the use case** | Administrator |
| **Pre-condition** | Admin had signed into his profile (system) and has a permeation |
| **Basic path** | When the admin login, he can add an Ambulance to the website database, and make patient can access to view it |
| **Post condition** | Ambulance is added |
| **Alternative Paths** | If the Administrator enters invalid or wrong Ambulance data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Administrator |

**Use case**:  **Add Insurance**

**Diagram:**

Administrator

**Add Insurance**

#### Scenario:

|  |  |
| --- | --- |
| **Add Insurance** | |
| **Actor who initiates the use case** | Administrator |
| **Pre-condition** | Admin had signed into his profile (system) and has a permeation |
| **Basic path** | When the admin login, he can add Insurance to the website database, and make patient can access to view it |
| **Post condition** | Insurance is added |
| **Alternative Paths** | If the Administrator enters invalid Insurance data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Administrator |

**Use case**:  **View Appointments**

**Diagram:**

Administrator

**View Appointments**

#### Scenario:

|  |  |
| --- | --- |
| **View Appointments** | |
| **Actor who initiates the use case** | Administrator |
| **Pre-condition** | The user had login into his profile (system) and has permission |
| **Basic path** | When the User login, he can view appointment details like “name, date and some other info |
| **Post condition** | User view details about all filtered the appointment |
| **Alternative Paths** | If the required Appointments is not found, the system should display not found message |
| **Actor who benefits from the use case** | Administrator |

**Use case**:  **Add Medicine**

**Diagram:**

Pharmacist

**Add Medicine**

#### Scenario:

|  |  |
| --- | --- |
| **Add Medicine** | |
| **Actor who initiates the use case** | Pharmacist |
| **Pre-condition** | The pharmacist must log in system and verified to add pharmacist. |
| **Basic path** | Adding Medicineis behaviour done by a pharmacist. When the pharmacist adds a medicine, He’ll add details for the medicine such as the name and image etc. |
| **Post condition** | The medicine will be saved to database. |
| **Alternative Paths** | If the Pharmacist enters invalid or wrong Medicine data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Pharmacist |

**Use case**:  **Upload Medical Analysis**

**Diagram:**

Analytics specialist

**Upload Medical Analysis**

#### Scenario:

|  |  |
| --- | --- |
| **Upload Medical Analysis** | |
| **Actor who initiates the use case** | Analytics specialist. |
| **Pre-condition** | The Analytics specialist must log in system and type of medical analysis is exist |
| **Basic path** | After Analytics specialist finish medical analysis, he uploads result of medical analysis as file on system |
| **Post condition** | The medical analysis result will be saved to database |
| **Alternative Paths** | If the Analytics specialist enters empty Medical Analysis, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Analytics specialist. |

**Use case**:  **Upload X-Rays**

**Diagram:**

Radiology doctor.

**Upload X-Rays**

#### Scenario:

|  |  |
| --- | --- |
| **Upload X-Rays** | |
| **Actor who initiates the use case** | Radiology doctor. |
| **Pre-condition** | The Radiology doctor must log in system and type of x-ray is exist |
| **Basic path** | After Radiology doctor finish x-ray, he uploads result of x-ray as file on system |
| **Post condition** | The x-ray result will be saved to database |
| **Alternative Paths** | If the Radiology doctor enters empty X-Rays, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Radiology doctor. |

**Use case**:  **Add Role**

**Diagram:**

The Hospital Manager

**Add Role**

#### Scenario:

|  |  |
| --- | --- |
| **Add Role** | |
| **Actor who initiates the use case** | The Hospital Manager |
| **Pre-condition** | The system is allowed to add roles |
| **Basic path** | The Hospital Manager is available to add roles and describe the privilege for each user. The role is the validities that the user takes, whoever (Admin, Pharmacist, Doctor, Analytics Specialist, Radiology Doctor, Accountant or Patient) to perform certain tasks |
| **Post condition** | Role is created successfully |
| **Alternative Paths** | If the Hospital Manager enters invalid or wrong role data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | The Hospital Manager |

**Use case**:  **Add Admin**

**Diagram:**

The Hospital Manager

**Add Admin**

#### Scenario:

|  |  |
| --- | --- |
| **Add Admin** | |
| **Actor who initiates the use case** | The Hospital Manager |
| **Pre-condition** | -The system is allowed to add admins  -The Hospital Manager must be logged in the system  -Admin hasn’t been created yet. |
| **Basic path** | The Hospital Manager is available to add admin and describe his privileges |
| **Post condition** | Admin is added successfully |
| **Alternative Paths** | If the Hospital Manager enters invalid or wrong Admin data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | The Hospital Manager |

**Use case**:  **Add Receipt**

**Diagram:**

Accountant

**Add Receipt**

#### Scenario:

|  |  |
| --- | --- |
| **Add Receipt** | |
| **Actor who initiates the use case** | Accountant |
| **Pre-condition** | -The system is allowed to create receipts  -The accountant must be logged in the system  -Patients and Doctors have been created. |
| **Basic path** | Accountant must add receipts and manage the financial part of the hospital |
| **Post condition** | Receipt is added successfully |
| **Alternative Paths** | If the accountant enters invalid or wrong Receipt data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Accountant |

**Use case**:  **Patient Diagnosis**

**Diagram:**

Doctor

**Patient Diagnosis**

#### Scenario:

|  |  |
| --- | --- |
| **Patient Diagnosis** | |
| **Actor who initiates the use case** | Doctor |
| **Pre-condition** | -The system is allowed to add diagnosis  -The Doctor must be logged in the system  -Patient , Radiology Doctor ,Analytics Specialist and Doctors have been created.  -The Doctor should view patient history. |
| **Basic path** | Doctor must add patient diagnosis and can send them to the specialist. |
| **Post condition** | Diagnosis is added successfully |
| **Alternative Paths** | If the doctor enters invalid or wrong Diagnosis data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Doctor |

**Use case**:  **Create Prescription**

**Diagram:**

Doctor

**Create Prescription**

#### Scenario:

|  |  |
| --- | --- |
| **Create Prescription** | |
| **Actor who initiates the use case** | Doctor |
| **Pre-condition** | -The system is allowed to add prescription  -The Doctor must be logged in the system  -Patients and Doctors have been created.  -Patient Diagnosis has been created |
| **Basic path** | Doctor must create prescription after diagnose patient and add it in patient profile. |
| **Post condition** | Prescription is added successfully |
| **Alternative Paths** | If the doctor enters invalid or wrong Prescription data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Doctor |

**Use case**:  **Add Service**

**Diagram:**

Doctor

**Add Service**

#### Scenario:

|  |  |
| --- | --- |
| **Add Service** | |
| **Actor who initiates the use case** | Doctor |
| **Pre-condition** | -The system is allowed to add service.  -The Doctor must be logged in the system  -The Doctor has been created |
| **Basic path** | By click on add service button will open form the doctor type service details and click submit then the service is available for patient. |
| **Post condition** | Service is added successfully |
| **Alternative Paths** | If the doctor enters invalid or wrong service data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Doctor |

**Use case**:  **View Patient History**

**Diagram:**

Doctor

**View Patient History**

#### Scenario:

|  |  |
| --- | --- |
| **View Patient History** | |
| **Actor who initiates the use case** | Doctor |
| **Pre-condition** | -The system is allowed to view patient history.  -The Doctor must be logged in the system  -The Doctor and patient have been created |
| **Basic path** | After open specific patient profile doctor can view patient history to help doctor in diagnoses |
| **Post condition** | List of patient’s history is viewed successfully |
| **Alternative Paths** | If the required Patient History is not found, the system should display not found message |
| **Actor who benefits from the use case** | Doctor |

**Use case**:  **View Specialization**

**Diagram:**

Patient, Administrator, Hospital manager

**View Specialization**

#### Scenario:

|  |  |
| --- | --- |
| **View Specialization** | |
| **Actor who initiates the use case** | Patient, Administrator, Hospital manager |
| **Pre-condition** | User had login to his profile (system) and has permission |
| **Basic path** | When user login, he can filter and view specialization details like “name” |
| **Post condition** | User view details about all filtered the specializations |
| **Alternative Paths** | If the required Specialization is not found, admin should add Specialization to view his details |
| **Actor who benefits from the use case** | Patient, Administrator, Hospital manager |

**Use case**:  **Register**

**Diagram:**

Patient

**Register**

#### Scenario:

|  |  |
| --- | --- |
| **Register** | |
| **Actor who initiates the use case** | Patient |
| **Pre-condition** | Patient don’t have an account |
| **Basic path** | By click on register Button on navbar will open the registration form the user type his data in every field and by click on submit button the account is created and user can login now. |
| **Post condition** | User register successfully and can login into the system |
| **Alternative Paths** | If the system user enters invalid ID or not strong Password or invalid user data, the system shall display an appropriate error message and returns them back to the first in the series of operation |
| **Actor who benefits from the use case** | Patient |

**Use case**:  **Book a doctor**

**Diagram:**

Patient

**Book a doctor**

#### Scenario:

|  |  |
| --- | --- |
| **Book a doctor** | |
| **Actor who initiates the use case** | Patient |
| **Pre-condition** | Patient have an account and login into the system |
| **Basic path** | When user login, he can book a doctor and make an appointment based on specialty |
| **Post condition** | Appointment is made |
| **Alternative Paths** | If the doctor isn’t available the system should display error message |
| **Actor who benefits from the use case** | Patient |

### **Use case**:  **View Doctors**

**Diagram:**

Patient

### **View Doctors**

#### Scenario:

|  |  |
| --- | --- |
| **View Doctors** | |
| **Actor who initiates the use case** | Administrator, Hospital manager |
| **Pre-condition** | User had login into his profile (system) and has permission |
| **Basic path** | When User login, he can filter and view doctor details like “name, specialty and some another info |
| **Post condition** | System User view details about all filtered the doctors |
| **Alternative Paths** | If the required doctor is not found, the system should display not found message |
| **Actor who benefits from the use case** | Administrator, Hospital manager |

**Use case**:  **Call Emergency**

**Diagram:**

Patient

**Call Emergency**

#### Scenario:

|  |  |
| --- | --- |
| **Call Emergency** | |
| **Actor who initiates the use case** | Patient |
| **Pre-condition** | User had login to his profile (system) and has permission |
| **Basic path** | When user login, he can call emergency to help him |
| **Post condition** | User view number of emergency and call it |
| **Alternative Paths** |  |
| **Actor who benefits from the use case** | Patient |

**Use case**:  **Use medical Insurance**

**Diagram:**

Patient

**Use medical Insurance**

#### Scenario:

|  |  |
| --- | --- |
| **Use medical Insurance** | |
| **Actor who initiates the use case** | Patient |
| **Pre-condition** | User logged in to his profile (system) and has permission |
| **Basic path** | When user login, he can use medical insurance to have a discount on price of medicines |
| **Post condition** | User dispends the medicine from the system |
| **Alternative Paths** | If patient did not add insurance the system should ask user to add insurance |
| **Actor who benefits from the use case** | Patient |

**Use case**:  **Talk to chatbot**

**Diagram:**

Patient

**Talk to chatbot**

#### Scenario:

|  |  |
| --- | --- |
| **Talk to chatbot** | |
| **Actor who initiates the use case** | Patient |
| **Pre-condition** | User logged in to his profile (system) and has permission |
| **Basic path** | By click on chatbot icon chat will open and patient can type any question and bot will respond with the answer |
| **Post condition** | User talk to chatbot and be guided by it |
| **Alternative Paths** | If the user typed a wrong question, the system should ask the user to type another one |
| **Actor who benefits from the use case** | Patient |

### **Use case**: **View medical Analysis**

**Diagram:**

Doctor

### **View medical Analysis**

#### Scenario:

|  |  |
| --- | --- |
| **View medical Analysis** | |
| **Actor who initiates the use case** | Doctor |
| **Pre-condition** | User logged in to his profile (system) and has permission |
| **Basic path** | When User login, he can view medical analysis details |
| **Post condition** | User view details about all filtered the medical analysis |
| **Alternative Paths** | If the required medical Analysisis not found, the system should display not found message |
| **Actor who benefits from the use case** | Doctor |