# Use Case Based Test Cases

1. Identifying different Paths

**Path 1: (Login into Correct User Page)**: Select Role [Patient orEmployee]->Enter username->Enter Password->Navigated to user home page.

**Path 2(Login with incorrect Credentials less than 3 times):**Select Role [Patient or Employee] ->Enter Username->Enter Password->

Invalid Credentials->Attempts <=3->Path 1

**Path 3(Login with incorrect Credentials More than 3 times):**Select Role [Patient or Employee] ->Enter Username->Enter Password->

Invalid Credentials->Attempts >3->Block Session

**Path 4(View Reports):**Path1->Click on View Report Link

**Path 5(Submit Symptoms Report):**Path 1->Click on Submit report link->Describe his Conditions->Rate his Symptoms->Click Submit Button

**Path 6(View Appointments):**Path 1->Appointments on Homepage

**Path 7 (New Appointments):**Path 1->Click on Schedule a New Appointment link->Select a patient ->Select time and date->Click Submit.

**Path 8(Modify Appointments):** Path 1->Select Modify -> Select Appointment ID->Select time or date->Submit change->User is notified

**Path 9(Modify Appointment):** Path 1->Select Cancel Appointment->Select Appointment ID->Submit Change->User is notified

**Path 10(Suggest Care):** Path 1->Select Patient from list->Write Note

**Path 11(suggest care):**Path 1->Select Patient from list->Write note->Recommend Appointment.

**Functionality:** Login with correct inputs

| Test Case | Inputs | | | Expected Output |
|---|---|---|---|---|
| | **Role** | **Username and Password** | **No. of Attempts** | |
| 1(Path 1) | Correct Role | --- | ---- | Enter credentials |
| | | Correct Credentials | ---- | Logged in Successfully |

**Functionality:** Login with incorrect inputs

| Test Case | Inputs | | | Expected Output |
|---|---|---|---|---|
| | **Role** | **Username and Password** | **No. of Attempts** | |
| 2(Path 2) | Incorrect Role | **----** | ---- | Enter credentials |
| | | Correct Credentials | Less than 3 | Incorrect credentials Attempt No. |
| 3 (Path 2) | Incorrect Role | --- | --- | Enter credentials |
| | | Correct Credentials | More than 3 | Sorry you are not allowed more than 3 attempts at a time. |
| 4 (Path 3) | Incorrect Role | --- | ---- | Enter credentials |
| | | Correct Credentials | More than 3 | Sorry you are not allowed more than 3 attempts at a time. |
| 5 (Path 3) | Correct Role | --- | ---- | Enter credentials |
| | | Incorrect Credentials | More than 3 | Sorry you are not allowed more than 3 attempts at a time. |

**Functionality:** View Reports with Appropriate Role

| Test Case | Input | | Output |
|---|---|---|---|
| | Role | Patient ID | |
| 6(Path 4) | Patient | --- | All his reports are shown |
| 7 (Path 4) | Employee | Correct | See Reports of the Patient selected |

**Functionality:** Submit a Symptom Report

| Test Case | Input | Output |
|---|---|---|
| | Symptoms Score | |
| 8(Path 5) | Less than Threshold | Report is sent to the responsible authorities for advice |
| 9 (Path 5) | More than Threshold | Report is sent to authorities and user is alerted to if he wants to request an appointment or consult for Emergency Care |

**Functionality:** View Appointment with Appropriate Role

| Test Case | Input | Output |
|---|---|---|
| | Role | |
| 10(Path 6) | Employee | Able to see all appointments on homepage with patient name, date time and description |
| 11(Path 6) | Patient | Able to see all appointments on homepage with Doctor ,date time and description |

**Functionality:** Create an Appointment

| Test Case | Input | | Output |
|---|---|---|---|
| | Role | Patient ID | |
| 12(Path 7) | Patient | --- | Cannot make appointment. |
| 13(Path 7) | Employee | | A link is shown in login page for Making Appointment |
| | | Select an patient ID | Schedules new appointment.     User and Doctor is informed. |

## Functionality: Modify an Appointment

| Test Case | Input | | | Output |
|---|---|---|---|---|
| | Role | Option | Appointment ID | |
| 14(Path 8) | Patient | --- | --- | Cannot Modify Appointment. Can only view scheduled appointment |
| 15(Path 8) | Employee | --- | -- | A link is shown in Home page for Modifying Appointment |
| | | Modify | Select an Appointment ID | Can only modify Doctor, Time and Date |
| 16(Path 9) | Employee | --- | -- | A link is shown in Home page for Modifying Appointment |
| | | Cancel | Select an Appointment ID | Cancel the Appointment |

## Functionality: Suggest a Care

| Test Case | Input | | | Output |
|---|---|---|---|---|
| | Role | Symptom Report ID | Recommend an Appointment | |
| 17(Path 10) | Patient | --- | -- | The functionality shouldn't be available to patient |
| 18(Path 10) | Employee | Click on Suggest a care | -- | Navigates to Suggest a care page. |
| | | Select Symptom report id | Unchecked | Suggest a Care as Note |
| 19(Path 11) | Employee | Click on Suggest a care | | Navigates to Suggest a care page. |
| | | Select a Symptom report ID | Checked | Suggest a care and appointment is Recommended. |