**Test Cases**

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| **Test Case 1** | |
| **Test Case ID:** PatientRegistration | **Test Designed by:** |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 15/12/2018 |
| **Module Name:** RegisterPatient | **Test Executed by:** |
| **Test Title:** Verify Patients’ Registration | **Test Execution date:** 15/12/2018 |
| **Description:** Checks whether the patient has entered the right cnic length |  |
| **Pre-conditions:** Working internet connection, Web browser supports JavaScript / Android SDK >= 15 | |
| **Dependencies:** null | |

**Positive Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to patient registration page |  |  |  |  |
| 2 | Provide valid Name | Name: |  |  |  |
| 3 | Provide valid password | Password: \*\*\*\*\*\* |  |  |  |
| 4 | Provide valid cnic | CNIC: |  |  |  |
| 5 | Provide all details | First Name, Last Name, Gender, dob, contact, cnic, address, password |  |  |  |
| 6 | Click on register button |  | User is registered | Confirmation message shows up, user is registered and the information is stored in database. | Pass |

**Post-condition:**

The person is now a verified user and can access the further facilities of HMS.

**Negative Input:**

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| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to patient registration page |  |  |  |  |
| 2 | Provide valid Name | Name: |  |  |  |
| 3 | Provide valid password | Password: \*\* |  |  |  |
| 4 | Provide valid password | CNIC: /  3 |  | Error message: cnic length is not 13 |  |
| 5 | Provide all details | First Name, Last Name, Gender, dob, contact, cnic, address |  | Error message: Provide all details |  |
| 6 | Click on register button |  | User not registered | Confirmation message shows up. User not registered | Pass |

**Post Condition:**

The person is not registered and cannot access hospital facilities.

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| **Test Case 2** | |
| **Test Case ID:** AddDoctorPharmacist | **Test Designed by:** |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 15/12/2018 |
| **Module Name:** UsersAdd | **Test Executed by:** |
| **Test Title:** Verify Doctor’s Registration | **Test Execution date:** 15/12/2018 |
| **Description:** Checks whether the admin has entered the right cnic length of the doctor/patient |  |
| **Pre-conditions:** Admin logged in | |
| **Dependencies:** Test Case: PatientRegistration (positive input) | |

**Positive Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to add user page |  |  |  |  |
| 2 | Provide valid Name | Name: |  |  |  |
| 3 | Provide valid password | Password: \*\*\*\*\*\* |  |  |  |
| 4 | Provide valid cnic | CNIC: (length=13) |  |  |  |
| 5 | Provide all details | First Name, Last Name, Gender, dob, contact, cnic, address, password, specialty (for doctor) |  |  |  |
| 6 | Click on register button |  | User is registered | Confirmation message shows up, user is registered and the information is stored in cloud. | Pass |

**Post-conditions:**

The person is now a verified user and can access the further facilities of HMS.

**Negative Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to add user page |  |  |  |  |
| 2 | Provide valid Name | Name: |  |  |  |
| 3 | Provide valid password | Password: \*\* |  |  |  |
| 4 | Provide valid password | CNIC: (length=12) / CNIC: (length=14) |  | Error message: cnic length is not 13 |  |
| 5 | Provide all details | First Name, Last Name, Gender, dob, contact, cnic, address |  | Error message: Provide all details |  |
| 6 | Click on register button |  | User not registered | Error message shows up. User not registered | Pass |

**Post Condition:**

The user is not registered and cannot access hospital facilities.

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| **Test Case 3** | |
| **Test Case ID:** UserLogin | **Test Designed by:** |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 15/12/2018 |
| **Module Name:** Login | **Test Executed by:** |
| **Test Title:** Verify login details | **Test Execution date:** 15/12/2018 |
| **Description:** |  |
| **Pre-conditions:** User registered, Working internet connection | |
| **Dependencies:** Test Cases: PatientRegistration, AddDoctorPharmacist (positive inputs) | |

**Positive Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to register page |  |  |  |  |
| 2 | Provide valid Name | Name: |  |  |  |
| 3 | Provide valid password | Password: \*\*\*\*\*\* |  |  |  |
| 4 | Provide valid cnic | CNIC: |  |  |  |
| 5 | Provide all details | First Name, Last Name, Gender, dob, contact, cnic, address, password |  |  |  |
| 6 | Click on signup button |  | User is registered | Confirmation message shows up, user is registered and the information is stored in database. | Pass |

**Post-conditions:**

The person is now a verified user and can access the further facilities of HMS.

**Negative Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to register page |  |  |  |  |
| 2 | Provide valid Name | Name: |  |  |  |
| 3 | Provide valid password | Password: \*\* |  |  |  |
| 4 | Provide valid password | CNIC: /  3 |  | Error message: cnic length is not 13 |  |
| 5 | Provide all details | First Name, Last Name, Gender, dob, contact, cnic, address |  | Error message: Provide all details |  |
| 6 | Click on signup button |  | User not registered | Confirmation message shows up. User not registered | Pass |

**Post Condition:**

The person is not registered and cannot access hospital facilities.

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| --- | --- |
| **Test Case 4** | |
| **Test Case ID:** MakeAppointment | **Test Designed by:** |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 15/12/2018 |
| **Module Name:** Get Appointment | **Test Executed by:** |
| **Test Title:** Request Appointment | **Test Execution date:** 16/12/2018 |
| **Description:** Patient selects doctor and appointment time. Sends this request to the selected doctor |  |
| **Pre-conditions:** The user must be registered first | |
| **Dependencies:** Test Cases: PatientRegistration, UserLogin (positive inputs) | |

**Positive Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to appointment page |  |  |  |  |
| 2 | Choose valid Specialty | Specialty: Dermatology |  |  |  |
| 3 | Provide valid appointment date range and time | Date: 2018-12-16 to 2018-12-20  Time: 11:30:00 | Valid Date | Valid Date |  |
| 4 | Click on Make an Appointment button |  | Appointment request is sent. | Request sent for appointment. | Pass |

**Post-conditions:**

The user will then have an appointment scheduled with the chosen doctor.

**Negative Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Navigate to appointment page |  |  |  |  |
| 2 | Choose valid Specialty | Specialty: Dermatology |  |  |  |
| 3 | Provide valid appointment time | Date: 2018-11-16 to 2018-12-20  Time: 11:30:00 | Error: Dates not in same month | Error: Dates not in same month |  |
| 4 | Click on Make an Appointment button |  | Appointment request failed | Request not sent for appointment. | Pass |

**Post-conditions:**

The user will have to again put the right date to request appointment.

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| **Test Case 5** | |
| **Test Case ID:** ConfirmAppointment | **Test Designed by:** |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** 15/12/2018 |
| **Module Name:** DocAppointment | **Test Executed by:** |
| **Test Title:** Appointment Confirmation | **Test Execution date:** 15/12/2018 |
| **Description:** Doctor accepts, declines or deletes the appointments and patient is notified. (Must touch the button 2 times for android application users) |  |
| **Pre-conditions:** The doctor must be registered, logged in and appointment must be successful. Patient must request an appointment first. | |
| **Dependencies:** Test Cases: AddDoctorPharmacist, UserLogin (positive inputs) | |

**Positive Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Login as Doctor |  | Opens doctor’s portal | Opens doctor’s portal |  |
| 2 | Accept/Decline/Delete request | Touches Accept/Decline/Delete button twice | Appointment is accepted/declined/deleted | Appointment is scheduled. Patient is notified | Pass |

**Post-conditions:**

The patient can now meet the doctor at the specified date and time.

**Negative Input:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** |
| 1 | Login as Doctor |  | Opens doctor’s portal | Opens doctor’s portal |  |
| 2 | Accept/Decline/Delete request | Touches Accept/Decline/Delete button once | Appointment is not accepted/declined/deleted | Appointment is not scheduled. Patient is not notified | Pass |

**Post-conditions:**

The appointment is neither accepted nor declined. Wait for doctor’s response.