**Test Cases**

**TEST 1**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | User Login |
| Tester | Ashwin Nair |
| Input | User enters the login credentials – username and login. |
| Action | If the login credentials are accurate, and if the username and password match, then the user will be deemed logged in and will have access to the user interface of the Hospital Management System. |
| Test Type | Acceptance Test, System Test |

**TEST 2**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Scheduling an Appointment |
| Tester | Ashwin Nair |
| Input | The user must provide:   * Patient Name (First and Last) * Patient ID * Doctor * Date * Time * Contact (Phone) * Visit Reason |
| Action | The system will process the information and schedule the appointment time according to staff availability. |
| Test Type | Acceptance Test, System Test |

**TEST 3**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Medicine Information |
| Tester | Ashwin Nair |
| Input | User selects medicine ID from the dropdown selection. |
| Action | The system returns the medicine’s Name, Supplier, and Quantity |
| Test Type | Acceptance Test, System Test |

**TEST 4**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Medicine Low Quantity Alert |
| Tester | Ashwin Nair |
| Input | User selects medicine, |
| Action | Medicine ID selection is rendered, and if the medicine quantity drops below the minimum of 300, the alert box notifies the user that the item is low in quantity |
| Test Type | Acceptance Test, System Test |

**TEST 5**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Medicine Reorder |
| Tester | Ashwin Nair |
| Input | User enters the quantity of the medicine needed to be reordered. |
| Action | Medicine Totals are updated in the database upon entering the quantity. |
| Test Type | Acceptance Test, System Test |

**TEST 6**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Creating New Staff Information |
| Tester | Ashwin Nair |
| Input | User fills out information for the following criteria:   * First and Last Name * Staff Type * Age * Contact (Phone) * Gender |
| Action | This staff member’s information is added in the database and rendered on log as a new staff member. |
| Test Type | Acceptance Test, System Test |

**TEST 7**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Updating Staff Information |
| Tester | Ashwin Nair |
| Input | User updates necessary information from the following criteria:   * First and Last Name * Staff Type * Age * Contact (Phone) * Gender |
| Action | This staff member’s information is updated in the database and rendered on log. |
| Test Type | Acceptance Test, System Test |

**TEST 8**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Creating New Patient Information |
| Tester | Ashwin Nair |
| Input | User fills out information for the following criteria regarding the patient:   * First and Last Name * Age * Contact (Phone) * Address * Gender |
| Action | This patient’s information is added in the database and rendered on log as a new patient in the server. |
| Test Type | Acceptance Test, System Test |

**TEST 9**

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Attribute Name | Updating Patient Information |
| Tester | Ashwin Nair |
| Input | User fills out information for the following criteria regarding the patient:   * First and Last Name * Age * Contact (Phone) * Address * Gender |
| Action | This patient’s information is updated in the database and rendered on log. |
| Test Type | Acceptance Test, System Test |

**Rationale**

The tests that were conducted were the following:

1. User Login - Tests the security of the application and user activity
2. Scheduling Appointments – tests the ability to schedule appointments between patients and hospital staff
3. Medicine Information – Tests to see if the medicine information is rendered from the database
4. Medicine Quantity Alerts – tests to see if the low quantity alerts are rendered if the medicine count drops below 300
5. Reorders/Restocking – tests the ability to reorder the medicine if the medicine quantity is low
6. Creating New Staff – tests the ability to create staff and their functionalities on the system.
7. Updating Staff – tests the ability to edit staff info if in case the staff information needs to be updated or is initially inputted incorrectly.
8. Creating New Patient – Tests the ability to add new patient info into the database to store patient specific information.
9. Updating Patient Info- tests the ability to edit patient info if in case the patient information needs to be updated or is inputted incorrectly.

The intent of the tests being conducted on these components was to test the functionality of subsections and the components they house. In this client-server model, it is vital that the components of the software work aptly. The tests that were conducted on the software were a combination of acceptance tests and System Tests. These tests were conducted to test the individual modals and their functions on an individualized and concise basis (acceptance tests), as well as tests that were conducted to test the Hospital Management System in its entirety (Integration/System Testing). The tests were conducted for these components, as the Hospital Management System incorporates multiple sub-systems in the form of Pharmaceutical Inventory, Staff and Patient Info Housing, and Scheduling Systems. Thus, by the testing frameworks incorporated, the system is deduced to having rendered the general actions necessary for the software functionality as stated in the test cases.