**Assignment - 04**

**Part-1 – Test Cases Using Postman Testing Tool**

**Test case-1 : login**  (Endpoint: */api/login*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-2 : View Rooms**  (Endpoint: */api/rooms*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a GET request towards the endpoint /api/rooms | * X-User-Auth token that was generated | * Status code:2XX * Details of all the rooms is shown |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-3 : Create New Room** (Endpoint: */api/room/new*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a POST request towards the endpoint /api/room/new | * X-User-Auth token that was generated * **Details of new room** | * Status code:2XX * New room is created and the details are shown |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-4 : Edit Room** (Endpoint: */api/room/(room id*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a PUT request towards the endpoint /api/room/(room id) | * X-User-Auth token that was generated * **Edit details of the room with particular room id** | * Status code:2XX * Details of the the room appears with the changes made. |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-5 : Delete Room** (Endpoint: */api/room/(room id*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a DELETE request towards the endpoint /api/room/(room id) | * X-User-Auth token that was generated | * Status code:2XX * Room is deleted. |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-6 : View Bills** (Endpoint: */api/bills*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a GET request towards the endpoint /api/bills | * X-User-Auth token that was generated | * Status code:2XX * Details of all the bills is shown |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-7 : Create New Bill** (Endpoint: */api/bill/new*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a POST request towards the endpoint /api/bill/new | * X-User-Auth token that was generated * **Details of new bill** | * Status code:2XX * New bill is created and the details are shown |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-8 : Edit Bill** (Endpoint: */api/bill/(bill id*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a PUT request towards the endpoint /api/bill/(bill id) | * X-User-Auth token that was generated * **Edit details of the bill with particular bill id** | * Status code:2XX * Details of the the bill appears with the changes made |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-9 : Delete Bill** (Endpoint: */api/bill/(bill id*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a DELETE request towards the endpoint /api/bill/(bill id) | * X-User-Auth token that was generated | * Status code:2XX * Bill is deleted |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-10 : View Reservations** (Endpoint: */api/reservations*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a GET request towards the endpoint /api/reservations | * X-User-Auth token that was generated | * Status code:2XX * Details of all the reservations is shown. |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |

**Test case-11 : Create New Reservation** (Endpoint: */api/reservation/new*)

**Designed by**: Meena and Saritha

**Pre-conditions**:

* The system is up available at the address: http://localhost:3000/
* The Software Tester has access to login credentials.

**Post conditions**:

* None

**Dependencies**:

* None

**Test steps**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test step** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** | **Notes** |
| 1 | Open Postman |  |  |  |  |  |
| 2 | Make a POST request towards the endpoint /api/login | * **username:** tester01 * **password:** GteteqbQQgSr88SwNExUQv2ydb7xuf8c | * Status code:2XX * X-User-Auth token is generated |  |  |  |
| 3 | Make a POST request towards the endpoint /api/reservation/new | * X-User-Auth token that was generated * **Details of new reservation** | * Status code:2XX * New reservation is created and the details are shown. |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | * X-User-Auth token that was generated | * Status code:2XX * OK |  |  |  |