**PART I:** **Test cases for the Web-service (REST API)**

Reported by: Shipra Sharma & Thi Bich Loan Chung

**Test case 1:** Login and Logout (Endpoint: /api/login)

**Designed by:** Shipra

**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

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| **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:** Get Rooms (Endpoint: /api/rooms)

**Designed by:** Shipra

**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

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| **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  + Show the available room list. |  |  |  |

**Test case 3:** Create Rooms (Endpoint: /api/room/new)

**Designed by:** shipra

**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

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| **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.  + Add the details of the new room. | + **Status code:** 2XX  + information of the new room 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:** Delete Room (Endpoint: /api/room/{roomID})

**Designed by:** shipra

**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

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| **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/{roomID} | + X-User-Auth token that was generated. | + **Status code:** 2XX  + Delete the details of the specify room. |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | X-User-Auth token that was generated | + Status code: 2XX  + OK |  |  |  |

**Test case 5:** Edit Room (Endpoint: /api/room/{roomID})

**Designed by:** shipra

**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

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| **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/{roomID} | + X-User-Auth token that was generated.  + change some information in the specify room id.  + (sent request payload) | + **Status code:** 2XX  + {RoomID} will update. |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | X-User-Auth token that was generated | + **Status code:** 2XX  + OK |  |  |  |

**Test case 6:** create Bill endpoint (Endpoint: /api/bill/new)

**Designed by:** Thi

**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

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| **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  + input new value bills | + Status code: 2XX  + Information of new bill pick up |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | + X-User-Auth token that was generated | + Status code: 2XX  + OK |  |  |  |

**Test case 7:** edit Bill endpoint (Endpoint: /api/bill/{billID})

**Designed by:** Thi

**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

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| --- | --- | --- | --- | --- | --- | --- |
| **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/{billID} | + X-User-Auth token that was generated  + change value of the bill that was selected  (sent request payload) | + Status code: 2XX  + {billID} updated |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | + X-User-Auth token that was generated | + Status code: 2XX  + OK |  |  |  |

**Test case 8:** create Reservation endpoint (Endpoint: /api/reservation/new)

**Designed by:** Thi

**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

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| --- | --- | --- | --- | --- | --- | --- |
| **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  + input information | + Status code: 2XX  + Information of new reservation pick up |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | + X-User-Auth token that was generated | + Status code: 2XX  + OK |  |  |  |

**Test case 9:** edit Reservation endpoint (Endpoint: /api/reservation/{reservationID})

**Designed by:** Thi

**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

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| --- | --- | --- | --- | --- | --- | --- |
| **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/reservation/{reservationID} | + X-User-Auth token that was generated  + change some information of that reservation selected (sent request payload) | + Status code: 2XX  + {reservationID} updated |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | + X-User-Auth token that was generated | + Status code: 2XX  + OK |  |  |  |

**Test case 10:** delete Bill endpoint (Endpoint: /api/bill/{billID})

**Designed by:** Thi

**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

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| --- | --- | --- | --- | --- | --- | --- |
| **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/{billID} | + X-User-Auth token that was generated | + Status code: 2XX  + {billID} deleted  + confirm (“ok”:true) |  |  |  |
| 4 | Make a POST request towards the endpoint /api/logout | + X-User-Auth token that was generated | + Status code: 2XX  + OK |  |  |  |