Testplan

## 1. Unit testing:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test id** | **Requirement mapping** | **Description** | **Expected input** | **Expected output** | **Actual output** |
| IT\_01 | HH\_01 | Book Passenger | Passenger Details | Client id, phone number, name, address |  |
| IT\_02 | HH\_02 | Cancel Passenger | Passenger Details | Client id, phone number, name, address |  |
| IT\_03 | HH\_03 | Change Price | New Price | Updated price |  |
| IT\_04 | HH\_04 | Recover Seat | seatNumber | seatNumber |  |
| IT\_05 | HH\_05 | Get Available Seats |  | Availability status |  |
| IT\_06 | HH\_06 | Flight is full | Trying to reserver for a new passengers | No seats available |  |
| IT\_07 | HH\_07 | Initialize Flight | Flight Details | New flight initialized |  |
| IT\_08 | HH\_08 | Compare prices for two flight to which one is cheaper | Flight details for both flights | Show flight details for the cheaper flight |  |

Table 1: Unit Testing

## 2. Integration testing:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test id** | **Requirement mapping** | **Description** | **Expected input** | **Expected output** | **Actual output** |
| UT\_01 | LL\_1 | Create a .txt file for creating dataset for flight details | FLIGHT\_NUMBER,  NUMBER\_OF\_SEATS,  PRICE\_PER\_SEAT,  ORIGIN,  DESTINATION | Input1.txt file |  |
| UT\_02 | LL\_2 | Create a .txt file for creating dataset for passenger details to book or cancel reservations | Booking details | Input2.txt file |  |
| UT\_03 | LL\_03 | Ensure that FlightReservationSystem.class is able to access input1.txt file | FLIGHT\_NUMBER,  NUMBER\_OF\_SEATS,  PRICE\_PER\_SEAT,  ORIGIN,  DESTINATION | Input1.txt file |  |
| UT\_04 | LL\_04 | Ensure that FlightReservationSystem.class is able to access input2.txt file | Booking details | Input2.txt file |  |
| UT\_05 | UT\_05 | Ensure that output file is generated | Input2.txt | Output.txt Status |  |

Table 2: Integration testing