# Test Report

## Work done in this iteration:

## Derived [test cases](#_3mqcf4k8fsf3) from use cases

* 1. Identified decision points in each use case
  2. Created a decision trees for each use case
  3. Created a test case for each path

1. Fixed the found defects:
   1. Restricted reservations for past dates
   2. Fixed bug with repeated error message
   3. Added button “Report violation”
2. [Documented the final solution](https://github.com/gbrigens/BBQReserver/blob/master/Docs/User Documentation.pdf) for the product owner

## [Use cases with annotated decision points](https://github.com/gbrigens/BBQReserver/blob/master/Docs/Use cases.md)

## [Test cases with execution results](#_s0fmeuv30s53)

* + [Create reservation](#_6v5s7gxks9ki)
  + [Cancel reservation](#_on38zkgfsbuo)
  + [View reservation](#_9s44ty9l4lxy)
  + [Test case values](#_55aiwey2zcq8)

## [Test case matrices](#_81z09is6vsdg)

## [Interaction test cases matrices](#_1apm1td09ft)

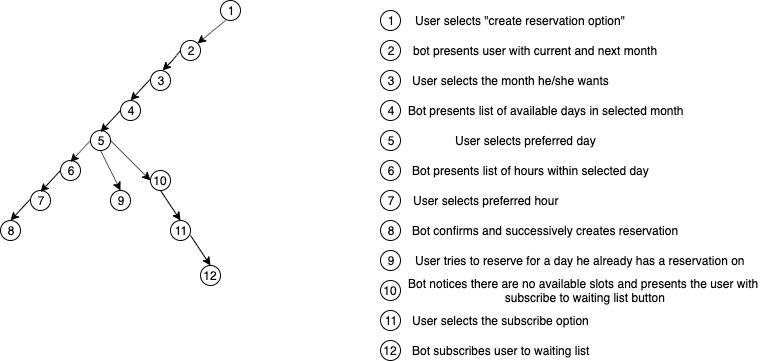
## 

## **Test cases with execution results**

## **Use Case:** [Create reservation](https://github.com/gbrigens/BBQReserver/blob/master/Docs/Use cases.md" \l "create-reservation)

## **Test :** [Create reservation](https://github.com/gbrigens/BBQReserver/blob/master/src/tests/test_create_reservation.py)

**Decision tree**



|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case name:** | Create reservation - **success** | | |
| **Test ID:** | **TC-01** | | |
| **Test suite:** | **Create Reservation** | | |
| **Priority:** | High | | |
| **Setup:** | John Doe has a reservation Intent for 25th November 10 AM. | | |
| **Teardown:** | Remove the confirmed reservation for John Doe from the system. | | |
| **Step** | **Description** | **Result** | **Problem** |
| **TC-01-A1** | John Doe selects option to create new reservation | **Pass** |  |
| **TC-01-S2** | Telegram bot responds by providing a list of months from November to December. | **Pass** |  |
| **TC-01-A3** | John Doe responds by selecting November | **Pass** |  |
| **TC-01-S4** | The telegram bot in turn provides a list of days from 24th to 30th for the remaining days of November so John Doe can select. | **Pass** |  |
| **TC-01-A5** | John Doe selects 25th from the list | **Pass** |  |
| **TC-01-S6** | The telegram bot presents John Doe with the list of clock time from 8 AM to 10 PM in the interval of 2 hours for the 25th of November. | **Warning** | This serves as a warning as it is possible that John Doe already made a reservation on this day. |
| **TC-01-A7** | John Doe selects 10:00 AM from the list. | **Pass** |  |
| **TC-01-S8** | The telegram bot display the message  “Time 2019-11-25 10:00 Reserved Successfully” | **Pass** |  |
| **Status:** | Pass | | |
| **Tester:** | E. Timoshchuk | | |
| **Date Complete:** | 25th November 2019 | | |

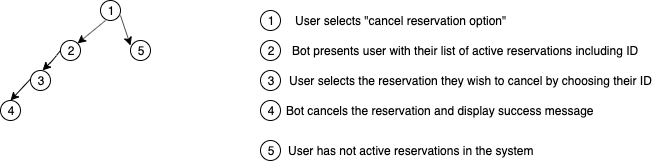
|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case name:** | Create Reservation - **failure** | | |
| **Test ID:** | **TC-02** | | |
| **Test suite:** | **Create Reservation** | | |
| **Priority:** | High | | |
| **Setup:** | John Doe has a reservation intent for 25th November which he has already booked a slot for. | | |
| **Teardown:** | Bot returns to main menu. | | |
| **Step** | **Description** | **Result** | **Problem ID** |
| **TC-02-A1** | John Doe selects option to create new reservation. | **Pass** |  |
| **TC-02-S2** | Telegram bot responds by providing a list of months from November to December. | **Pass** |  |
| **TC-02-A3** | John Doe responds by selecting November. | **Pass** |  |
| **TC-02-S4** | The telegram bot in turn provides a list of days from 24th to 30th for the remaining days of November so John Doe can select. | **Pass** |  |
| **TC-02-A5** | John Doe selects 25th from the list. | **Pass** |  |
| **TC-02-S6** | The telegram bot presents John Doe with the list of clock time from 8 AM to 10 PM in the interval of 2 hours for the 25th of November. | **Warning** | This serves as a warning as it is possible that John Doe already made a reservation on this day. |
| **TC-02-S7** | The telegram bot display the message  “You already have reservation on 2019-11-25, you should cancel previous reservation if you want to change.” | **Pass** |  |
| **Status:** | Pass | | |
| **Tester:** | S. Kuznetsov | | |
| **Date Complete:** | 25th November 2019 | | |

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| --- | --- | --- | --- |
| **Test Case name:** | Create Reservation - **failure** | | |
| **Test ID:** | **TC-03** | | |
| **Test suite:** | **Create Reservation** | | |
| **Priority:** |  | | |
| **Setup:** | John Doe has a reservation intent for 25th November which he has already booked a slot for. | | |
| **Teardown:** | Bot returns to main menu. | | |
| **Step** | **Description** | **Result** | **Problem** |
| **TC-03-A1** | John Doe selects option to create new reservation. | **Pass** |  |
| **TC-03-S2** | Telegram bot responds by providing a list of months from November to December. | **Pass** |  |
| **TC-03-A3** | John Doe responds by selecting November. | **Pass** |  |
| **TC-03-S4** | The telegram bot in turn provides a list of days from 24th to 30th for the remaining days of November so John Doe can select. | **Pass** |  |
| **TC-03-A5** | John Doe selects 25th from the list. | **Warning** | This serves as a warning as it is possible that John Doe already made a reservation on this day. |
| **TC-03-S6** | The bot notices there are no slots for 25th December so it present option to John Doe to subscribe to waiting list. | **Pass** |  |
| **TC-03-A7** | John Doe selects the Subscribe option. | **Pass** |  |
| **TC-03-S8** | Bot subscribes John Doe to waiting list so as to notify him if there is any slot made available for 25th December. | **Pass** |  |
| **Status:** | Pass | | |
| **Tester:** | E. Timoshchuk | | |
| **Date Complete:** | 25th November 2019 | | |

## **Use Case:** [Cancel reservation](https://github.com/gbrigens/BBQReserver/blob/master/Docs/Use cases.md" \l "cancel-reservation)

## **Test:** [Cancel reservation](https://github.com/gbrigens/BBQReserver/blob/master/src/tests/test_cancel_reservation.py)

**Decision tree**



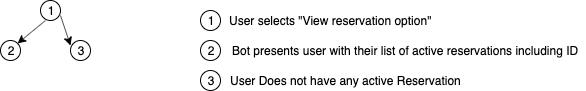
|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case name:** | Cancel Reservation - **Success** | | |
| **Test ID:** | **TC-04** | | |
| **Test suite:** | **Cancel Reservation** | | |
| **Priority:** | High | | |
| **Setup:** | John Doe has a reservation booked for 25th November 10 AM | | |
| **Teardown:** | Remove Reservation for John Doe from the system | | |
| **Step** | **Description** | **Result** | **Problem ID** |
| **TC-04-A1** | John Doe selects option to cancel reservation. | **Pass** |  |
| **TC-04-S2** | The telegram bot presents John Doe with a list of his reservation as this:  “ ID:12 Time: 2019-11-25 10:00”  And presents him with option to “12” as the id of the reservation he wants to cancel | **Pass** |  |
| **TC-04-A3** | John Doe selects the id 12. | **Pass** |  |
| **TC-04-S4** | Telegram bot displays “Reservation Successfully Cancelled” | **Pass** |  |
| **Status:** | Pass | | |
| **Tester:** | Z. Usmonov | | |
| **Date Complete:** | 25th November 2019 | | |

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| --- | --- | --- | --- |
| **Test Case name:** | Cancel Reservation Failure | | |
| **Test ID:** | **TC-05** | | |
| **Test suite:** | **Cancel Reservation** | | |
| **Priority:** | high | | |
| **Setup:** | John Doe has not booked any Reservation in the past. | | |
| **Teardown:** | Telegram bot returns to Home menu | | |
| **Step** | **Description** | **Result** | **Problem ID** |
| **TC-05-A1** | John Doe selects option to cancel reservation. | **Pass** |  |
| **TC-05-S2** | Telegram bot displays the message “You have not made any reservation” | **Pass** |  |
| **Status:** | Pass | | |
| **Tester:** | S. Kuznetsov | | |
| **Date Complete:** | 25th November 2019 | | |

## **Use Case:** [View reservation](https://github.com/gbrigens/BBQReserver/blob/master/Docs/Use cases.md" \l "view-reservation)

## **Test:** [View reservation](https://github.com/gbrigens/BBQReserver/blob/master/src/tests/test_view_reservation.py)

**Decision tree**



|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case name:** | View Reservation Successful | | |
| **Test ID:** | **TC-06** | | |
| **Test suite:** | **View Reservation** | | |
| **Priority:** | High | | |
| **Setup:** | John Doe has made two reservations for 25th November and 1 December previously. | | |
| **Teardown:** | Telegram bot returns to the home menu. | | |
| **Step** | **Description** | **Result** | **Problem ID** |
| **TC-06-A1** | John Doe selects the option to view existing reservations. | **Pass** |  |
| **TC-06-S2** | The telegram bot displays the message “You have made the following reservations  ID:12 Time:2019-11-25 10:00  ID:14 Time:2019-12-1 18:00” | **Pass** |  |
| **Status:** | Pass | | |
| **Tester:** | E. Timoshchuk | | |
| **Date Complete:** | 25th November 2019 | | |

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| --- | --- | --- | --- |
| **Test Case name:** | View Reservation Failure | | |
| **Test ID:** | **TC-07** | | |
| **Test suite:** | **View Reservation** | | |
| **Priority:** | Medium | | |
| **Setup:** | John Doe has made no reservation from the system | | |
| **Teardown:** | Telegram bot returns to home menu | | |
| **Step** | **Description** | **Result** | **Problem ID** |
| **TC-07-A1** | John Doe selects option to view existing reservation | **Pass** |  |
| **TC-07-S2** | Telegram bot displays the message “ You have not made any reservations yet” | **Pass** |  |
| **Status:** | Pass | | |
| **Tester:** | Z. Usmonov | | |
| **Date Complete:** | 25th November 2019 | | |

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**Test case values**

|  |  |  |  |
| --- | --- | --- | --- |
| **TC-01** | **Value** | **Expected results** | **Obtained results** |
| Select command to create reservations | 🖊 Reserve | Select month | Select month |
| Select month | November | Select day | Select day |
| Select day | 25 | Select hour | Select hour |
| Select hour | 10:00 | Reservation created successfully | Reservation created successfully |

|  |  |  |  |
| --- | --- | --- | --- |
| **TC-02** | **Value** | **Expected results** | **Obtained results** |
| Select command to create reservations | 🖊 Reserve | Select month | Select month |
| Select month | November | Select day | Select day |
| Select day | 25 | Select hour | Select hour |
| Select hour | 10:00 | Reservation created successfully | ‘You already have reservation on 2019-11-25, you should cancel previous reservation if you want to change.’ |

|  |  |  |  |
| --- | --- | --- | --- |
| **TC-03** | **Value** | **Expected results** | **Obtained results** |
| Select command to create reservations | **🖊 Reserve** | Select month | Select month |
| Select month | November | Select day | Select day |
| Select day | 25 | Select hour | Select hour |
| Select hour | 10:00 | Reservation created successfully | ‘Bot subscribes John Doe to waiting list so as to notify him is there is any slot made available for 25th December.’ |

|  |  |  |  |
| --- | --- | --- | --- |
| **TC-04** | **Value** | **Expected results** | **Obtained results** |
| Select command to cancel reservations | **🗑 Cancel reservation** | Choose the reservation ID you want to cancel: | Choose the reservation ID you want to cancel: |
| Select Reservation Id to cancel | 12 | Reservation successfully cancelled | Reservation successfully cancelled |

|  |  |  |  |
| --- | --- | --- | --- |
| **TC-05** | **Value** | **Expected results** | **Obtained results** |
| Select command to cancel reservations | **🗑 Cancel reservation** | Choose the reservation ID you want to cancel: | You have not made any reservations yet |

|  |  |  |  |
| --- | --- | --- | --- |
| **TC-06** | **Value** | **Expected results** | **Obtained results** |
| Select command to view reservations | **📖 View reservations** | The telegram bot displays the message “ You have made the following reservations  ID:12 Time:2019-11-25 10:00  ID:14 Time:2019-12-1 18:00” | The telegram bot displays the message “ You have made the following reservations  ID:12 Time:2019-11-25 10:00  ID:14 Time:2019-12-1 18:00” |

|  |  |  |  |
| --- | --- | --- | --- |
| **TC-07** | **Value** | **Expected results** | **Obtained results** |
| Select command to view reservations | **📖 View reservations** | The telegram bot displays the message “ You have made the following reservations  ID:12 Time:2019-11-25 10:00  ID:14 Time:2019-12-1 18:00” | Telegram bot displays the message “ You have not made any reservations yet” |

## **Test case matrices**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **TC01** | **TC02** | **TC03** | **TC04** | **TC04** | **TC05** | **TC06** |
| **Reserve command** | **🖊 Reserve** | **🖊 Reserve** | **🖊 Reserve** | **🖊 Reserve** |  |  |  |
| **View reservation command** |  |  |  |  |  |  | **📖 View reservations** |
| **Cancel reservation command** |  |  |  |  | **🗑 Cancel reservation** | **🗑 Cancel reservation** |  |
| **Month** | **Correct** | **Correct** | **Correct** | **Incorrect** |  |  |  |
| **Date** | **Correct** | **Correct** | **Incorrect** |  |  |  |  |
| **Hour** | **Correct** | **Incorrect** |  |  |  |  |  |
| **Reservation Id** |  |  |  |  | **Correct** | **Incorrect** |  |

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## **Test case interaction matrices**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Create reservation** | **Cancel reservation** | **View reservation** | **Delete Data** | **Send message** | **Request confirmation** | **Send list of reservations** | **Update the database** |
| **Create reservation** |  | RC - Cancel reservation after creation | RC - View reservation after creation |  |  |  |  |  |
| **Cancel reservation** |  |  | RD-List of reservations |  |  |  |  |  |
| **View reservation** |  | RD - view reservation |  |  |  |  |  | RC-Read or identify user id |
| **Delete Data** |  |  |  |  |  |  |  |  |
| **Send message** |  |  |  |  |  |  |  |  |
| **Request confirmation** |  | RD-Delete user reservation |  |  |  |  |  |  |
| **Send list of reservations** |  |  |  |  |  |  |  |  |
| **Update the database** |  |  |  |  |  |  |  |  |