**Testing Concepts Session-1 Assignment**

**Answer-1:**

1. **Any clarification required in user story acceptance criteria.**

* What will be mode of payment?
* What if user cancel ticket on same date of journey?
* Will user receive cancellation confirm on mobile as well?
* What will be format of cancellation message?

1. **Any questions for scope of the requirement.**

* How much time it will take to get refund?
* T&C for refund?
* What will be the money transfer mode if user does not have bank account?

**Answer-2:**

**Test Coverage Scenario**

**Positive Test Case:**

|  |  |  |
| --- | --- | --- |
| **Test ID** | **Range (Current Date – Booking Date)** | **Expected Output** |
| 1.1 | >=60 | 70% Refund |
| 1.2 | 60 to 30 | 50% Refund |
| 1.3 | 30 to 10 | 35% Refund |
| 1.4 | 10 to 1 | 20% Refund |

**Negative Test Case:**

|  |  |  |
| --- | --- | --- |
| **Test ID** | **Range (Current Date – Booking Date)** | **Expected Output** |
| 1.1 | <1 | Undesirable State |

**Answer-3:**

**Test Cases for Refund Calculation**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test case summary** | **Test case description** | **Prerequisite for test case** | **Test steps** | **Expected Result** | **Test case result** |
| 1 | If user cancels ticket 60 days prior to journey date | To test that 70% of the amount of ticket is refunded when user cancels the ticket 60 days prior to the journey date.  It is assumed that the user is logged into the system. | User log-in in the system. | Click on Cancel Ticket button.  Get all the ticket whose journey date is previous than current date.  Cancel ticket | 70% of amount should be refunded | 70% of amount refunded. |
| 2 | If user cancels the ticket between 60-30 days prior to journey date | To test that 50% of the amount of ticket is refunded when user cancels the ticket 60-30 days prior to the journey date.  It is assumed the user is logged into the system. | User log-in in the system. | Same as above | 50% of amount should be refunded | 50% of amount refunded |
| 3 | If user cancels the ticket between 30-10 days | To test that 35% of the amount of ticket is refunded when user cancels the ticket 30-10 days prior to the journey date.  It is assumed the user is logged into the system. | User log-in in the system. | Same as above | 35% of amount should be refunded | 35% of amount refunded |
| 4 | If user cancels the ticket between 10-1 days | To test that 20% of the amount of ticket is refunded when user cancels the ticket 10-1 days prior to the journey date.  It is assumed the user is logged into the system. | User log-in in the system. | Same as above | 20% of amount should be refunded. | 20% of amount refunded |

**Answer-4:**

1. **Use Boundary Value Analysis Technique and Provide the set of data which you will take for testing.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Range** | **Limit** | **Value** | **Expected output** |
| >=60 | Lower limit | 61 | 70% refund |
|  |  | 60 | 70% refund |
|  |  | 59 | 50% refund |
| 59 to 30 | Upper limit | 60 | 70% refund |
|  |  | 59 | 50% refund |
|  |  | 58 | 50% refund |
|  | Lower limit | 31 | 50% refund |
|  |  | 30 | 50% refund |
|  |  | 29 | 35% refund |
| 29 to 10 | Upper limit | 30 | 50% refund |
|  |  | 29 | 35% refund |
|  |  | 28 | 35% refund |
|  | Lower limit | 11 | 35% refund |
|  |  | 10 | 35% refund |
|  |  | 9 | 20% refund |
| 9 to 1 | Upper limit | 10 | 35% refund |
|  |  | 9 | 20% refund |
|  |  | 8 | 20% refund |
|  | Lower limit | 2 | 20% refund |
|  |  | 1 | 20% refund |
|  |  | 0 | invalid |

1. **Use Equivalence Partitioning Technique and create test data which you will use for testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Range** | **Invalid** | **Valid** | **Invalid** |
| >=60 | 59 | 60, 67,70 | 91 |
| 59 to 30 | 29 | 59, 40, 45, 30 | 60 |
| 29 to 10 | 9 | 29, 20, 19, 10 | 30 |
| 9 to 1 | 0 | 9, 5, 3, 1 | 10 |

**Testing Concept Session-2 Assignment**

**Answer-2:**

**Conditions**

* Customer Type (Wholesaler **or** Retailer)
* Cash on Delivery (**CoD**) (Yes **or** No)
* Number of Units

**Actions**

* No Discount
* 2% Discount
* 4% Discount
* 6% Discount

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Customer Type** | Wholesaler | Wholesaler | Wholesaler | Wholesaler | Retailer | Retailer | Retailer | Retailer |
| **COD** | yes | yes | no | no | yes | yes | no | no |
| **Number of items/ units** | <50 | >=50 | <50 | >=50 | <50 | >=50 | <50 | >=50 |
| **Total discount** | 4.00% | 6.00% | 2.00% | 4.00% | 2.00% | 4.00% | 0.00% | 2.00% |