**ASSIGNMENT 1**

1.

* Percentage of Amount refund within 24 hrs before beginning of the journey or not showing the “Cancel ticket ” button.
* If use cancel ticket exactly 60 days or 30 days or 10 days or 1 days before the journey  
  Then under which we have to generate the refund.
* In case of train Cancelation from the official side due to some circumstances or due to train delay of more than x hrs refund amount percentage?
* Access to Chrome Browser or other browser.
* If a user does not have an account on irctc site and has to login then they should have access to “cancel ticket” through PNR.
* If a User has an account on IRCTC site then they should have to enter a valid username and password to “Cancel ticket”.

2.

| Step | Step Details | | Expected Results | | Actual Results | | | Pass / Fail / Not executed / Suspended | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|
| 1 | Navigate to [http://irctc.ac.in](http://irctc.ac.in/) | | Site should open | | As Expected | | | Pass | | |
| 2 | Enter Invalid Userid & Password | | Credential can be entered | | It accept the invalid credential | | | Fail | | |
| 3 | Enter Userid & Password | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Submit | | Customer is logged in | | As Expected | | | Pass | | |
| 5 | Click on My Journey | | All the journey details appear | | As Expected | | | Pass | | |
| 6 | Clicking on the Journey which occurred before current date | | Cancel Button not appears | | As Expected | | | Pass | | |
| 7 | Clicking on the Journey which going to occur on or after current date | | Cancel Button appear appears | | As Expected | | | Pass | | |
| 8 | Click on cancel button | | ● If the user cancels the ticket 60 days prior to the journey date.  Refund 70% of amount  ● If user cancels the ticket b/n 60-30 days prior to journey date  Refund 50% of the amount.  ● If user cancels the ticket between 30-10 days  Refund 35% of the amount.  ● If user cancels the ticket between 10-1 days  Refund 20% of the amount. | | As Expected | | | Pass | | |
| 9 | On Confirming ticket Cancelation | | Refund and email generated for successful cancellation. | | As Expected | | | Pass | | |

3.

Positive Test case

* If DIFF(curr\_date,journey\_date) >60

refund\_amount= (Journey\_cost \* 70)/100;

* If 60> DIFF(curr\_date,journey\_date) >30

refund\_amount= (Journey\_cost \* 50)/100;

* If 30 > DIFF(curr\_date,journey\_date) >10

refund\_amount= (Journey\_cost \* 35)/100;

* If 10> DIFF(curr\_date,journey\_date) >1

refund\_amount= (Journey\_cost \* 20)/100;

Negative Test Case

* If DIFF(curr\_date,journey\_date) == 60

refund\_amount= (Journey\_cost \* 70)/100 OR (Journey\_cost \* 50)/100;

* If DIFF(curr\_date,journey\_date) == 30

refund\_amount= (Journey\_cost \* 50)/100 OR (Journey\_cost \* 35)/100;;

* If DIFF(curr\_date,journey\_date) == 10

refund\_amount= (Journey\_cost \* 35)/100 OR (Journey\_cost \* 20)/100;

* If DIFF(curr\_date,journey\_date) == 1

refund\_amount= (Journey\_cost \* 20)/100;

* If 0 < DIFF(curr\_date,journey\_date) < 1

refund\_amount= UNKNOWN;

* If DIFF(curr\_date,journey\_date) < 0

refund\_amount= UNKNOWN;

4.

1. **Boundary Value Analysis**

## Requirement Validate AGE field, which accepts values from 1 - 90 .

## 

## We verify the following Boundary Value Test cases:

TC001: Validate DATEDIFF by entering 0 [ Min-1]: Invalid Boundary Check

TC002: Validate DATEDIFF by entering 1 [ Min]: Valid Boundary Check

TC003: Validate AGE by entering 2 [ Min+1]: Valid Boundary Check

TC004: Validate DATEDIFF by entering 89 [ Max-1]: Valid Boundary Check

TC005: Validate DATEDIFF by entering 90 [ Max]: Valid Boundary Check

TC006: Validate DATEDIFF by entering 91[ Max+1]: Invalid Boundary Check

**b) X = DIFF(curr\_date, journey\_date)**

| **Equivalence Classes** | **Input Value** | **Valid/Invalid** |
| --- | --- | --- |
| diff <= 1 | -1 | INVALID |
| 0 <= diff <= 90 | 0 | VALID |
| 1 <= diff <= 90 | 1 | VALID |
| 1 <= diff <= 90 | 90 | VALID |
| diff > 90 | 91 | INVALID |

**ASSIGNMENT 2**

| **Decision table** | **Customer** | **Mode of Payment** | **Number of units** | **Discount** |
| --- | --- | --- | --- | --- |
| Rule1 | Wholesale | Cash | < 50 | 4 |
| Rule2 | Wholesale | Cash | >= 50 | 6 |
| Rule3 | Wholesale | Online | < 50 | 2 |
| Rule4 | Wholesale | Online | >= 50 | 4 |
| Rule5 | Retail | Cash | < 50 | 2 |
| Rule6 | Retail | Cash | >= 50 | 4 |
| Rule7 | Retail | Online | < 50 | 0 |
| Rule8 | Retail | Online | >= 50 | 2 |