

Assignment 1

User Story:

As a railway user, I should get an option to cancel the tickets, so that user can cancel the ticket and get refund.

Acceptance Criteria:

- A new button with Label “Cancel Ticket” should be displayed for canceling the ticket.
- Button should not be displayed for those tickets for which journey date is previous than current date.
- Refund amount should be calculated as follows:
- If user cancels the ticket 60 days prior to journey date.
Refund 70% of amount
- If user cancels the ticket b/n 60-30 days prior to journey date
Refund 50% of amount.
- If user cancels the ticket between 30-10 days
Refund 35% of amount.
- If user cancels the ticket between 10-1 days
Refund 20% of amount.
- User should get an email for successful cancellation.

Question 1.) Groom the above user story and mention :

- Any clarification required in user story acceptance criteria.
- Any questions for the scope of the requirements.

Answer:

- Where to place the button on the page is not given?
- What if the user doesn't have an email id?
- What is the format of email message which is sent after the ticket is successfully cancelled?
- What if the cancellation step fails?
- What is the mode of amount refunded?
- What if the train is cancelled then how to refund the money?

Question 2.) Create all Test Coverage Scenarios for the above User Story.

Answer:

POSITIVE TEST COVERAGE

- The cancel button should be available for the valid dates only.
- The email is successfully sent to the user who has cancelled the ticket.
- The refund amount is calculated properly and the result is proper.

NEGATIVE TEST COVERAGE

- The button is not present for the journey date which is previous than or same as the current date.
- The email is not sent after successful cancellation of the ticket.
- The refund amount is not calculated properly and is not accurate.

Question 3.) Create Test Cases for the Refund Amount calculations for above user story: .

- **Refund amount should be calculated as follows:**
- **If user cancels the ticket 60 days prior to journey date.**

Refund 70% of amount

- **If user cancels the ticket between 60-30 days prior to journey date**

Refund 50% of amount.

- **If user cancels the ticket between 30-10 days**

Refund 35% of amount.

- **If user cancels the ticket between 10-1 days**

Refund 20% of amount.

Answer:

Test Case Id	Test Scenario	Test Step	Test Data	Expected Result	Actual Result	Pass/Fail
TC#1 (+ve)	Checking for the visibility of cancel button for date which is not current date or previous than current date.	1. Login with valid credentials . 2. Go to the page for canceling the ticket.	Username, Password, Ticket of date previous than current date.	The cancel button must be visible on the page.	As Expected.	Pass

TC#2 (+ve)	Checking for email which is sent after the successful cancellation of the ticket.	1. Login with valid credentials . 2. Go to the page for canceling the ticket. 3. Select the ticket which is to be cancelled.	Username, Password, Ticket of date previous than current date.	The mail must be sent to the user's registered mail id after successfully receiving the success response.	As Expected	Pass
TC#3 (+ve)	Checking the cancel button which must not be shown for the current date.	1. Login with valid credentials . 2. Go to the page for canceling the ticket.	Username, Password, Ticket of date same as current date.	The cancel button must not be visible on the page.	As Expected	Pass
TC#4 (-ve)	Checking the cancel button which must not be shown for the tickets whose journey date is previous than the current date.	1. Login with valid credentials . 2. Go to the page for canceling the ticket.	Username, Password, Ticket of date previous than current date.	The cancel button must not be visible on the page.	As Expected	Pass

TC#5 (+ve)	Checking the refund amount if user cancels the ticket 60 days prior to journey date.	1. Login with valid credentials . 2. Go to the page for canceling the ticket. 3. Select the ticket which is to be cancelled.	Username, Password, Ticket of date 60 days prior than current date. .	Refund 70% of amount	As Expected	Pass.
TC#6 (+ve)	Checking the refund amount if user cancels the ticket between 60-30 days prior to journey date.	1. Login with valid credentials . 2. Go to the page for canceling the ticket. 3. Select the ticket which is to be cancelled.	Username, Password, Ticket of date 40 days prior than current date.	Refund 50% of the amount.	As Expected	Pass
TC#7 (+ve)	Checking the refund amount if user cancels the ticket between 30-10 days prior to journey date.	1. Login with valid credentials . 2. Go to the page for canceling the ticket. 3. Select the ticket which is to be cancelled.	Username, Password, Ticket of date 20 days prior than current date.	Refund 35% of the amount.	As Expected	Pass

TC#8 (+ve)	Checking the refund amount if user cancels the ticket between 10-1 days prior to journey date.	1. Login with valid credentials . 2. Go to the page for canceling the ticket. 3. Select the ticket which is to be cancelled.	Username, Password, Ticket of date 5 days prior than current date.	Refund 20% of the amount.	As Expected	Pass
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Question 4.) For our use case:

- Use boundary Value analysis technique and provide the set of data which you will take for testing.
- Use equivalence partitioning technique and create test data which you will use for testing.

Answer: 4.) 1.

Boundary Value Analysis ID	Test Scenario	Test Data	Expected Result
BVA#1 (+ve)	The journey date is more than or equal to 60.	The journey date is equal to exactly 60 days.	Refund 70% of the amount.
		The journey date is more than 60 days but not 60.	
BVA#2 (+ve)	The journey date is less than 60 and is more than equal to 30 days.	The journey date is exactly 30 days.	Refund 50% of the amount.
		The journey date is less than 60 days and more than 30 days but not 30 and 60.	

BVA#3 (+ve)	The journey date is less than 30 and is more than equal to 10 days.	The journey date is more than 30 and less than 10 but not 30 and 10.	Refund 35% of the amount.
		The journey date is exactly equal to 10.	
BVA#4 (+ve)	The journey date is less than 10 and more than equal to 1 day.	The journey date is more than 1 and less than 10 but not 1 and 10.	Refund 20% of the amount.
		The journey date is exactly equal to 1.	
BVA#5 (-ve)	The journey date is current or previous than the current journey date.	The journey date is the current date	The cancel button must not be visible on the page in this scenario.
		The journey date is previous than the current date of journey.	

Answer: 4.) 2.

Equivalence Partitioning ID	Test Data	Expected Result
EP#1 (Invalid)	Current date or previous than the current journey date	The cancel button must not be visible on the page.
EP#2 (Valid)	The journey date is more than or equal to 60.	Refund 70% of the amount.
EP#3 (Valid)	The journey date is less than 60 and is more than equal to 30 days.	Refund 50% of the amount.
EP#4 (Valid)	The journey date is less than 30 and is more than equal to 10 days.	Refund 35% of the amount.
EP#5 (Valid)	The journey date is less than 10 and is more than equal to 1 day.	Refund 20% of the amount.

Assignment 2

Create a decision Table for the following scenario :-

Company ABC sells goods to wholesale and retail outlets. The company encourages both wholesale and retail customers to pay cash on delivery by offering a two percent discount for this method of payment. Wholesale customers receive an additional two percent discount on all orders. Another two percent discount is given on orders of 50 or more units to both types of customers. Each column represents a certain type of order.

Answer:

We have following information:

Two type of Customer: wholesaler and retailer.

2% discount to those who pay cash on delivery.

Additional 2% discount for the wholesaler.

2% of discount who buy more than 50 units.

Customer Type	Additional Discount	Cash on Delivery	Number of unit >50 or not	Expected Result
Wholesaler	TRUE	YES	YES	6% Discount
Wholesaler	TRUE	YES	NO	4% Discount
Wholesaler	TRUE	NO	YES	4% Discount
Wholesaler	TRUE	NO	NO	2% Discount
Retailer	FALSE	YES	YES	4% Discount
Retailer	FALSE	YES	NO	2% Discount
Retailer	FALSE	NO	YES	2% Discount
Retailer	FALSE	NO	NO	No Discount