

Testing Concepts Session- 1 and 2 Assignment

Assignment-1

Answer-1:

a) Any clarification required in user story acceptance criteria.

- If the user cancels the ticket on the same day of the journey then how much percent of the ticket amount will be refunded?
- What will be the mode of payment of refund amount?
- What will be the format of cancellation mail or message sent to the user.
- If the user seat is not confirmed then how much payment will be refunded?
- If the user cancel the ticket on same day of ticket book then how much payment will be refunded?

b) Any questions for the scope of the requirements.

- Do we need to show successful ticket cancellation message on screen and the cancelled ticket information on user screen?
- What if cancellation is not successful? Do we need to send any mail in that case also?
- How can the user approach, if he doesn't get his refund amount back?
- What is the specified deadline or time limit/ duration to get ticket cancellation refund amount?
- Whether a user can cancel ticket online if the ticket is issued from window?

Answer-2:

Test Coverage Scenarios

Positive test coverage scenario:-

Test coverage id	Range	Expected output
	Ticket cancellation date > Current date	Find difference between journey date and ticket cancellation date
1	>=60	70% refund
2	60 to 30	50% refund
3	30 to 10	35% refund
4	10 to 1	20% refund

Negative test coverage scenario:-

Test coverage id	Range	Expected output
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1	Ticket cancellation date < Current date	Invalid
2	<1	Invalid

Answer-3:

Test Cases for the Refund Amount calculations:-

Test Case ID	Test case summary	Test case description	Required condition for test case	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.	User log-in in the system.	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.	User log-in in the system.	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.	User log-in in the system.	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.	User log-in in the system.	20% of amount should be refunded.	20% of amount refunded

Answer-4:

- a) 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

b.) Use equivalence partitioning technique and create test data which you will use for testing.

Range	Invalid	Valid
≥ 60	59	60, 67, 70
59 to 30	29	59, 40, 45, 30
29 to 10	9	29, 20, 19, 10
9 to 1	0	9, 5, 3, 1

Assignment-2:

Type of customer	Wholesaler	Wholesaler	Wholesaler	Wholesaler	Retailer	Retailer	Retailer	Retailer
Cash on delivery	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%