Testing Concepts Session 1 and 2 Assignment

Assignment-1

Answer-1:

a) Any clarification required in user story acceptance criteria.

- Should user get refunded, if user cancels the ticket on the same day of the journey? If yes, then how much per cent of the ticket amount will be refunded?
- What if the user don't have any email id?
- What will be the mode of payment for refund amount?
- What will be the format of cancellation mail sent to the user?
- Boundary value of the cancellation duration has to be included in which range?
- What should be displayed after cancellation of ticket?

b) Any questions for the scope of the requirements.

- Is there any other means of communication to be provided to inform the user about on successful/ fail cancellation of the ticket like through message on phone number, etc.
- Do we need to show successful or failure ticket cancellation message on screen?
- How will the money be refunded if ticket has been booked online or offline, i.e. in either of the cases?
- Should we also need to send mail if ticket cancellation fails?
- What is the specified deadline or duration to get ticket cancellation refund amount?

Answer-2:

Test Coverage Scenarios

Positive test coverage scenario:-

Test coverage scenario id	Range	Expected output
1	Journey data – cancellation date	Expected refund
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 coverage scenario:-

Test coverage scenario id	Range	Expected output
1	Ticket cancellation date < Current date	Cancel button should be disabled
1.1	<1	Invalid

Answer-3:

Test Cases for the Refund Amount calculations:-

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 the user is logged into the system.	User log-in in the system.	1.Click on Cancel ticket button. 2.Get all the ticket whose journey date is previous than current date. 3.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 30-59 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 10-29 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 1-9 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:

a)

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	Invalid
>=60	59	60 ,64, 75,120	121
59 to 30	29	30, 32, 46, 59	60
29 to 10	9	10, 11, 22, 29	30
9 to 1	0	1, 2, 6, 9	10

Assignment-2:

Conditions

- Customer type (Values: Wholesaler and Retailer)
- Cash on Delivery (COD) (Values: Yes and No)
- Number of Units

Actions

- No discount
- 2% discount
- Additional 2% discount

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%