Shubham Ladha

17BCE7059

Shubhamladha85@gmail.com

8106205835

Lead squared QA Test Submission

1Q) You need to write as many test cases as possible for a simple software program which computes the eligible discount for a customer. Try to describe all possible scenarios in a tabular format. Do not worry about "Login" kind of test cases, and just focus on how you will validate discount calculation. These are the rules.

A) Step 1: **Partition your input into categories**

- New customers with coupon
- New customers without a coupon
- Existing customers with a loyalty card and no coupon
- Existing customers without a loyalty card and no coupon
- Existing customers with a loyalty card and Coupon
- Existing customers without loyalty and with a coupon

Step 2: **Construct your decision table.**

Type of Customer / Discount	New customers, No coupon	New customers, with coupon	Existing customer with loyalty card and no coupon	Existing customers without loyalty card and no coupon	Existing customers with loyalty card and Coupon	Existing customers without loyalty and with a coupon
15%	X					
10%			X		X	
20%		X			X	X
No discount				X		

Step 3: **Pick a user from each input category and test**

1) Now from each category, you can pick one value and test to see if the correct amount of discount is applied.
2) So now, you will need at least 6 customers or 6 test cases to test the case completely.

2Q) The following appeared as part of an article in the business section of a local newspaper:

"Ronnie's Auto Repair Shop commenced business four months ago at the location formerly occupied by the Jenny's Beauty Parlor. Ronnie's Auto must be doing well at this location, because it intends to open a big shop in an adjacent town. Jenny's, on the other hand, has seen a lower volume of business in its first year at its new location compared to the prior year at its former location. Jenny's definitely erred in shifting to its new location; its former location is a better site." Discuss how well reasoned you find this argument. In your discussion be sure to analyze the line of reasoning and the use of evidence in the argument. For example, you may need to consider what questionable assumptions underlie the thinking and what alternative explanations or counterexamples might weaken the conclusion. You can also discuss what sort of evidence would strengthen or refute the argument, what changes in the argument would make it more logically sound, and what, if anything, would help you better evaluate its conclusion.

A) I find this argument strong. As the center point of the whole passage was to convey how a choice of location in business play a significant role.

It is clearly visible from the passage that jenny's beauty parlor has seen a lower volume of business growth in new location compared to its former location. On the other hand the same location is good for Ronnie Auto Repair . Its business has seen boast in new location.

The reasons for different impact on both the business could be-

1.Budget

Opening a beauty parlor requires a good amount of expenses as salon business usually provides a bundle of services to modern-day customers. Whereas Ronnie has just started its business so he has low cost.

2.Space

3.What other business are near by

Part of business location strategy should be based on the amount of competition in the area. If there is a lot of competition, there might not be enough customers for you. Or, you might be able to secure the customers the competition cannot accommodate. If there is no competition, you won't have customers stolen from you. A lack of competition might also indicate there aren't customers in the area.

For example, if we are starting a vegan restaurant, buying a building next to a butcher shop would be an odd choice. You probably can't attract many customers who are visiting the butcher shop next door.

4.Growth with the location

Considering the potential growth of company when choosing a location for a business. A small space might be cheaper, but the size might limit your business in the future. As your business prospers, you might need more space. For example, you might need more production space to make more products. Or, you might need a bigger retail area to accommodate more customers as in the case of Ronnie.

5.Ease of Location

How easy it is for customers to reach the business location.

Does public transportation run near it?

Is there a parking lot?

How far do customers have to walk?

How far is business from the main shopping area ?

3Q) How will you test a wireless mouse? What are the different things you will test and check before

you can say that it is a good quality wireless mouse?

1. Check if the mouse is an optical mouse or not.
2. Verify that left-click and right-click buttons are working fine.
3. Check if the double click is working fine.
4. Verify the time duration between two left clicks, in order to consider it as a double click.
5. Check if the scroller is present at the top or not.
6. Verify the speed of the mouse pointer.
7. Check the pressure required for clicking the mouse buttons.
8. Verify the acceleration of the mouse pointer.
9. Verify that clicking the button and dragging the mouse operation is working fine (drag and drop functionality).
10. Check the dimension of the mouse, if it's suitable to grip and work.
11. Verify that the mouse works in all the allowed surfaces.
12. Check if the mouse is a wireless mouse or corded mouse.
13. In the case of wireless mouse, check the range up to which the mouse remains operational.
14. In the case of a wireless mouse, check the battery requirement of the mouse.
15. Check if there is an option to switch on or mouse.