

Leadsquared Assignment

NAME: Shreya Dhanuka
Profile: QA Role

Question 1: 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.

If the customer is new, and they are willing to sign up for a new loyalty card, they get a 15% discount on all their purchases on the day. Second if they are an existing customer and hold a loyalty card, they get a 10% discount. Third, if they have a discount coupon, they will get 20% off which cannot be used with the new customer discount but can be used with loyalty card discount. Discount amounts are added, if applicable.

Answer1:

The various possible test cases that are possible are displaced as follows: We need to create a decision table, and for that we will have to partition our input into categories.

There are 6 categories of users in this situation:

- 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

Many more partitions can be done had it been mentioned that the new customer can have loyalty card or not.

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		

From here we can check whether the discount received is right or not.
So now, we will need at least 6 customers or 6 test cases to test the case completely.

Question 2. 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 Parlour. 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 analyse 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.

Answer 2: The argument is very well reasoned as we all know that business is done to attain highest amount of profit possible but after shifting to new location, Jenny’s business has reduced thereby resulting in less profit. Thus, this is never an acceptable situation for any business owner. Also, at the former location, the parlour had more customers since the former location was older one and many customers would have visited in the mean time and would have enjoyed the service and would have visited again and even suggested their friends and relatives.

Every coin has two faces. Similarly, there are various reasons for Jenny’s parlour to not work in new location:

- A. Being a new location, many customers are unaware of the existence of any such parlour in their locality since it had been only four months of its shifting.
- B. Jenny’s parlour should do advertisement in order to aware people and should launch combo services or discounts on services in order to attract customers but they aren’t doing anything like that.
- C. That particular location does not create a good ambience for a parlour because there is auto repair shop nearby so the noise of it might be disturbing the ambience of parlour.

Question 3. 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?

Answer 3: Check if the mouse is an optical mouse or not.
Verify that left-click and right-click buttons are working fine.
Check if the double click is working fine.
Verify the time duration between two left clicks, in order to consider it as a double click.
Check if the scroller is present at the top or not.
Verify the speed of the mouse pointer.
Check the pressure required for clicking the mouse buttons.
Verify the acceleration of the mouse pointer.

Verify that clicking the button and dragging the mouse operation is working fine (drag and drop functionality).

Check the dimension of the mouse, if it's suitable to grip and work.

Verify that the mouse works in all the allowed surfaces.

Check if the mouse is a wireless mouse or corded mouse.

In the case of wireless mouse, check the range up to which the mouse remains operational.

In the case of a wireless mouse, check the battery requirement of the mouse.

Check if there is an option to switch on or mouse.