LEADSQUARED QA TEST

Name: Roshni Sah **Reg: 17BCE2367**

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.

Answer 1: 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 card and with a coupon

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

Table:

Abbreviations used in the table:

Cus: Customers **LoC : Loyal Card**

Dis : Discount

Dis\Type of customers	New customers, No coupon	New Cus, with coupon	Existing Cus with LoC & no cuupon	Existing Cus without LoC & no coupon	Existing Cus with LoC & coupon	Existing Cus without LoC & a coupon
15%	**X**					
10%			**X**		**X**	
20%		**X**			**X**	**X**
No Dis				**X**		

Hence, 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.

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: I believe it is not apt to directly come to the conclusion that just because Ronnie's auto repair shop is having a new opening , it means that they must be doing well . It could happen that Ronnie just has a good funding/investment from his side , that's why he is capable of opening a new branch . Also , Jenny's sales have gone down , this is because the new location might have less interested customers in going to beauty parlor or they are just less aware of the existence of Jenny's beauty parlor (marketing and reach ability) , this does not necessarily should make us conclude that the current location is a bad decision compared to last .

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: Different things that I will test and check before saying that the mouse is a good quality wireless mouse are :

1. Check if the USB driver/receiver is attached properly and wireless mouse battery is put in the mouse. After that turn on wireless mouse.
2. Check the battery requirement of the mouse.
3. Check the range up to which the mouse remains operational.
4. Check for the usability of the mouse whether the light on the bottom of the mouse is on.
5. Check for the functionality if it has pointer on the screen and when it is moved on the links it should turn out to hand symbol.
6. Check if the pointer is pointing to the right region while pointing on the screen.
7. Verify the speed of the mouse pointer.
8. Verify if the right clicking opens the context window.
9. Check if the left click opens the application or selects the region on the screen.
10. Check if the left click drag and drop the objects on the desktop.
11. Verify the time duration between two left clicks, in order to consider it as a double click.
12. Verify of double clicking the file, folder and media files open or does the operation as intended.
13. Check if the scroller on the top of the mouse works by scrolling in the files with multi-pages.
14. Verify the scroll-bar operation for up, down, right and left direction.