**LEADSQUARED QA PROFILE ASSESSMENT**

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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.

**Solution:**

First let’s check all the possible information.

So, there are 4 types of discounts available as per the question:

1. 15%
2. 10%
3. 20%
4. 0%//No discount

And there are different types of users:

1. New customer with no loyalty card and no discount coupon (doesn’t wants to issue loyalty card)
2. New customer with discount coupon but no loyalty card
3. New customer who wants a loyalty card and has a discount coupon
4. Existing customer with no loyalty card and no discount coupon
5. Existing customer with loyalty card and no discount coupon
6. Existing customer with loyalty card and discount coupon
7. Not a customer

**In a tabular form if we put all this information**

**1=TRUE**

**0=FALSE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Discount →** | **15%** | **20%** | **10%** | **0%** |
|  | **Users ↓** |  |  |  |  |
| **1.** | **New customer with no loyalty card and no discount coupon** | 0 | 0 | 0 | **1** |
| **2.** | **New customer signed up for loyalty card but no discount coupon** | **1** | 0 | 0 | 0 |
| **3.** | **New customer who wants a loyalty card and has a discount coupon** | **1** | 0 | 0 | 0 |
| **4.** | **Existing customer with no loyalty card and no discount coupon** | 0 | 0 | 0 | **1** |
| **5.** | **Existing customer with loyalty card and no discount coupon** | 0 | 0 | **1** | 0 |
| **6.** | **Existing customer with loyalty card and discount coupon** | 0 | **1** | **1** | 0 |
| **7.** | **Not a customer** | 0 | 0 | 0 | **1** |

**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 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.

**Solution:**

According to the argument, the Assumptions that follow are:

1. May be the location where Ronnie’s Auto Repair Shop is situated and where Jenny’s Beauty Parlour previously stood is a hot site for business.
2. Since business is good may be the location is a place where lots of people visit daily.
3. Or perhaps Ronnie’s Auto Repair Shop knows better business techniques than Jenny’s Beauty Parlour.
4. Ronnie’s Auto Repair has a good feedback from customers hence its popularity.

Some different Assumptions may include:

1. Ronnie’s Auto Repair is the only Auto Repair shop in the location hence the good business.
2. Jenny’s Beauty Parlour may had done better in the previous location due to the regulars at that place who came to her Parlour regularly.
3. Jenny’s revenue at the new place was low due to the location of the parlour not known to many people i.e., it is not popular yet in the new place and will take time to gain regulars for its revenue to rise.
4. Or Jenny’s Beauty Parlour has competition in the same field at the new location which is why it is hard to get customers to increase revenue.
5. Ronnie’s Auto Repair Shop has bad business, yet they were originally funded from somewhere else which is why they were opening a new shop in the adjacent town to increase the chances for good business.

Statements that support this:

* **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.**

**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?**

**Solution:**

Things I would check before I can say it’s a good quality mouse:

1. If Right Button is Working properly or not.
2. If Left Button is working properly or not.
3. If wheel Scroll is Working Properly or not.
4. If left double click is working or not.
5. If the mouse grip is strong or not.
6. If the mouse is instantly connected wirelessly or not.
7. If the left and right click buttons work seamlessly without having to apply too much pressure.
8. If the range of the wireless mouse where it can operate is high or not.
9. If the switch on/off button of the wireless mouse works perfectly or not.
10. In case of gaming wireless mouse, if the DPI button works correctly or not.
11. If the mouse works on the surfaces the company says it will work on.
12. In case of gaming wireless mouse check if the extra side buttons work or not.
13. If the battery life of the wireless mouse if high or not.
14. If the battery cells required for the mouse is available easily or not.
15. If the mouse works with all the devices it is compatible with or not.
16. If the above conditions are fulfilled, then check if the brand of the mouse is well known or highly rated or not by the users.
17. If the mouse has good durability or not.