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Job Role Preference: QA

Q1. 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.

Tabular format Description:

Customer Types / Discount	New customers, No coupon	New Customers with coupon	Existing coupon 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 coupon
No discount				✓		
15%	✓					
10%			✓		✓	
20%		✓		✓	✓	

Q2. 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.

Test Cases for Q2:

As the situation mentioned above, below are the proposed test cases for the same. Assuming the situation:

	Ronnie	**Jenny**
Initial Location	Unknown	Near Town
Final Location	Town	Unknown
Current Season of business	Normal or better	Might Off Season
Customer Flow	Normal/ More than Average	Less than Average(Female Ratio/ Cultural)
Quality of Service	Average or Better	Might not as good as before
Cause of Relocation at present	Better marketplace.	Probably Good Business at previous place lead to hope of bigger shop

Q3. 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?

Test Cases:

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