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LeadSquared Round 2 for Quality Assurance Engineer

Q. 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*** - Step 1: Partition the 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

Test Cases -

1. Ensure that Admin is able to add coupon code and loyality card .
2. Ensure that users other than Admin does not have the permission to add coupon codes and loyality card.
3. Ensure that Admin can add coupon code through  
   Store Administration-->Coupons--->Add new Coupon and loyality card through Store-Administration🡪Loyality cards-🡪
4. Ensure that Admin is able to add coupon code and loyality card by directly open the node id  
   eg: sitename/Admin/store/coupons/add
5. Ensure that error message will be displayed if mandatory fields leaves empty.
6. Ensure that Admin is able to add Coupon Name , loyality Card name .
7. Ensure that Admin is able to add Coupon Code , loyality card code .
8. Ensure that Admin is able to select Payment information required field.
9. Ensure that if Payment information required field is selected, error message will be displayed if we apply applying coupon code for products which doesn't contain payment information.
10. Ensure that Admin is able to generate bulk coupon codes and loyality card .
11. Ensure that Admin is able to select number of coupon codes to be generated.
12. Ensure that Admin is able to select the code length.
13. Ensure that Admin is able to select coupon code as active/inactive.
14. Ensure that Admin is able to add discount(15%) as Fixed price discount for new users who sign up for loyality card .  
    eg: enter "15" for $15.00 off.
15. Ensure that Admin is able to add discount as Percentage discount.  
    Eg: enter "15%" for 15% off.
16. Ensure that Admin is able to add discount as Set product price.  
    For eg: enter "=15" to make all matching products $15.00 after discount.
17. Ensure that Admin is able to add discount(10%) as Fixed price discount for existing users who have loyality card .  
    eg: enter "10" for $10.00 off.
18. Ensure that Admin is able to add discount as Percentage discount.  
    Eg: enter "10%" for 10% off.
19. Ensure that Admin is able to add discount as Set product price.  
    For eg: enter "=10" to make all matching products $10.00 after discount
20. Ensure that Admin is able to add discount(20%) as Fixed price discount for existing users Only who have loyality card and discount card .  
    eg: enter "20" for $20.00 off.
21. Ensure that Admin is able to add discount as Percentage discount.  
    Eg: enter "20%" for 20% off.
22. Ensure that Admin is able to add discount as Set product price.  
    For eg: enter "=20" to make all matching products $20.00 after discount
23. Ensure that Admin is able to add Apply discount to:  
    Order subtotal  
    Total of matching product(s)  
    All matching product(s)  
    The cheapest matching product(s)  
    The most expensive matching product(s)
24. Ensure that Admin is able to select 'Restrict coupon by date'.
25. Ensure that error message will be displayed for invalid /expired dates.
26. Ensure that Admin is able to select Maximum number of redemptions (per code).
27. Ensure that error message will be displayed after the maximum redemptions per code.
28. Ensure that Admin is able to select Maximum number of redemptions (per user).
29. Ensure that error message will be displayed after the maximum redemptions per user.
30. Ensure that Admin is able to select the Minimum Order limit [minimum amount for discount to apply].
31. Ensure that error message will be displayed after the maximum redemptions per user.
32. Ensure that Admin is able to select the Minimum order quantity [Minimum order quantity for discount to apply].
33. Ensure that error message will be displayed after the Minimum order quantity.
34. Ensure that Admin is able to select the Applicable product classes.
35. Ensure that error message will be displayed for other than the Applicable product classes.
36. Ensure that Admin is able to select the Applicable products.
37. Ensure that error message will be displayed for other than the Applicable products.
38. Ensure that Admin is able to select the Applicable SKUs.
39. Ensure that error message will be displayed for other than the Applicable SKUs.
40. Ensure that Admin is able to select the Applicable taxonomy terms.
41. Ensure that error message will be displayed for other than the Applicable taxonomy terms.
42. Ensure that Admin is able to apply User restrictions.
43. Ensure that error message will be displayed for other than the specified users.
44. Ensure that Admin is able to apply Role restrictions.
45. Ensure that error message will be displayed for other than the specified user roles.
46. Ensure that Admin is able to see active/inactive coupon codes.
47. Ensure that Admin is able to delete coupons and loyality cards .

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.

**Answer ->**

Area of Law – Since the Argument here states that Ronnie’s Auto Repair shop working on the place where Jenny’s beauty parlour was operating , this means that the Jenny’s previous place was highly populated and there are lot of new customers around that area with no other shops nearby which made Ronnie’s Auto repair business going good while on the other hand when Jenny changed his location to some other place , she could not earn that much amount of profit like old times as now the present place might be not so business friendly.

Q 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 ->**

1. Check if the mouse is an optical mouse or not.
2. Check if the mouse is wireless gaming mouse or surface mouse or any other category.
3. Verify that left-click and right-click buttons are working fine.
4. Check if the double click is working fine.
5. Verify the time duration between two left clicks, in order to consider it as a double click.
6. Check if the scroller is present at the top or not.
7. Verify the speed of the mouse pointer.
8. Check the pressure required for clicking the mouse buttons.
9. Verify the acceleration of the mouse pointer.
10. Verify that clicking the button and dragging the mouse operation is working fine(drag and drop functionality).
11. Check the dimension of the mouse, if it’s suitable to grip and work.
12. Verify that the mouse works in all the allowed surfaces.
13. Check if the mouse is a wireless mouse or corded mouse.
14. In the case of wireless mouse, check the range up to which the mouse remains operational.
15. In the case of a wireless mouse, check the battery requirement of the mouse.
16. Check if there is an option to switch on or mouse.
17. Check that if the mouse dongle sync with it during connection , there should not be any lag or slow down of mouse while using it .
18. Check that in which frequency the mouse is working (generally 2.4 Ghz ) in case of wireless.
19. Check the power source of mouse – USB- type C or USB type B