LEADSQUARED QA TEST

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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.

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Test Case Id	Test Case Description	Steps to Execute	Actual Result	Expected Result	Pass/Fail
TC001	A new customer.	The customer doesn't have any discounts or loyalty card.	The customer doesn't get any discount.	The customer doesn't get any discount.	Pass
TC002	A new customer with a loyalty card.	A new customer purchases an item.He signs up a loyalty card.	The customer gets 15% discount.	The customer gets 15% discount.	Pass
TC003	An existing customer with a loyalty card.	The existing customer has a loyalty card.	The customer gets 10% discount.	The customer gets 10% discount.	Pass
TC004	A new customer with a loyalty card.	A new customer purchases an item.He signs up a loyalty card.	The customer gets 15% discount.	The customer gets 15% discount.	Pass
TC005	A new customer with a discount coupon.	A new customer with a discount coupon.	The customer gets 20% discount.	The customer gets 20% discount.	Pass
TC006	A new customer with a discount card and a loyalty card.	A new customer with a discount card and a loyalty card.	The customer gets 15% discount.	The customer gets 15% discount.	Pass
TC007	A exisitng customer with a discount coupon.	A existing customer with a discount coupon.	The customer gets 20% discount.	The customer gets 20% discount.	Pass
TC008	An existing customer with a discount card and a loyalty card.	An existing customer with a discount card and a loyalty card.	The customer gets 35% discount.	The customer gets 35% discount.	Pass

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.

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It is clear from the given statement that author assumes that location of the shop is the only factor in deciding success of a business.

Thus assumption here is that due to location is sole determinant regarding success of both shops. In turn author does not provide any argument which strengthens this argument.

There can be a number of reasons or causes which determines success:

1. Price offered by ronnie can be more convenient thus lured in more buyers

2. Jenny's shop's rate might be overpriced thus people didn't prefer it.

3. Ronnie provided better costumer service thus lured more people

4. Jennie's shop might not provided better customer service.

5. Ronnie might have newer technology and equipment which people wanted and Jennie lacked the same.

6. Jennie's shop might not be punctual and thus a closed shop on a working day might lure people away.

7. Ronnie might have done better marketing and advertisement for his shop than Jenny, thus people might not be aware of Jenny's shop.

Any of the given argument if true can weaken the argument given in the passage and prove that location was not the deciding factor.

Also if the passage would have provided argument which proves that the location is deciding factor then we can also believe so. Like,

1. If Ronnie's shop is in a residential area while Jenny's shop is on outskirts then we could say it would be inconveniet for people to buy from Jenny than from Ronnie.

2. There might be no competitors for Ronnie near his shop while there are many near Jenny's shop.

Any of the given statement of true can strengthen the argument given in the passage.

Also if we were to obtain revenues, expenditure and profit of both shops, accompanied by factors like marketing, trend of technology offered, difference of rates, details about locality of both shops and customer feedback of both shops, then we can decide what is the reason behind lack of revenue in Jenny's shop compared to Ronnie's precisely.

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?

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The quality of any wireless mouse depends upon several factors like tracking accuracy, battery life and customization. Some of the features might not be relevant to some users like gamers would care about latency but normal users won't notice ,so the quality can be defined as features improve the user's experience.

1.One of the most important features of a wireless mouse is battery life, if a mouse dies within 4-5 hours of use then we cannot consider it high quality. The first test I would do would be check it's battery life, it should last atleast 8-9 hours of continuous use.

2.The next important feature is the polling rate measured in hertz(Hz), if the polling rate is too low then we can see slower mouse response. I will check the polling rate by using a testing web tool, 250-500 Hz is an acceptable polling rate.

3.I would, it should not be USB micro-B because it is a fragile connector and breaks easily USB-C/A should be the charging port.

4.I would also check the transmitter type whether it's 2.4GHz or Bluetooth, both have their advantages and disadvantages but Bluetooth is preferred by normal users because it does not need a receiver to be plugged into the desktop.

5.I would check the sensor type whether it is laser or optical , laser is preferred as it has better mouse tracking. Customization options like height adjustment, extra weights that can be added to the mouse and extra buttons are some of the options that could be important for a better user experience.