

Answer 1

According to the question, there are five conditions whose presence or absence collectively will give the result. Those five conditions are:

- The customer might be new
- The customer might want to have a loyalty card
- The customer might be old
- The customer might have a loyalty card
- The customer might have a discount coupon

As we can see some of these conditions are contradictory so we can select only one of them at a time. So the following are the possible test cases

Combination of conditions	Discount
The customer is new, who does not has a loyalty card, does not want a loyalty card and does not have a discount coupon.	0%
The customer is new, who does not has a loyalty card, does not want a loyalty card and has a discount coupon.	20%
The customer is new, who does not has a loyalty card, wants a loyalty card and does not have a discount coupon.	15%
The customer is new, who does not has a loyalty card, wants a loyalty card and has a discount coupon.	20%
The customer is old, who does not has a loyalty card, does not want a loyalty card and does not have a discount coupon.	0%
The customer is old, who does not has a loyalty card, does not want a loyalty card and has a discount coupon.	20%
The customer is old, who does not has a loyalty card, wants a loyalty card and does not have a discount coupon.	0%
The customer is old, who does not has a loyalty card, wants a loyalty card and has a discount coupon.	20%
The customer is old, who has a loyalty card, does not want a loyalty card and does not have a discount coupon.	10%
The customer is old, who has a loyalty card, does not want a loyalty card and has a discount coupon.	20%+10%

Answer 2

The argument is not completely wrong but it is not completely reasoned. What I mean to say is that there can be more than just one reason for this. As it is mentioned in the first line that Jenny had the location for herself before Ronnie but she did not make profit thus the relocation or Ronnie might have paid a huge sum for the location. Jenny thought that she might have the same success elsewhere but unfortunately, she was wrong. The reason she might not be having profit in the earlier location may depend on the locals there. As its mentioned that Ronnie's auto repair shop did great business there it seems like the locals needed auto repair parts more than to make themselves look pretty. It is also mentioned that Ronnie is planning to set up shop in the nearby town that proves that Ronnie's shop has been very successful.

Next, it is mentioned that Jenny's change of location as not helped but rather worsened her business. This might be possible because of several reasons. Firstly, the previous reason can be used here as well, people might not be interested in trying to make themselves look pretty. Secondly, there might not be that much of a population around her new shop. In the last line Jenny thinks that the previous location was better for her shop but that is not entirely true as we all know that she did not make much profit there. She needs to find a location where people are interested in beauty parlors.

Now to strengthen or refute the arguments they should mention some kind of logic in their conclusion that does not depend only on the success but the also the reasons for it. If, for example, it was mentioned that the place already had many different beauty parlors present and there was no other auto repair shop nearby then it would further help with reasons why Jenny's shop did not make much profit and Ronnie's shop made huge profits.

Answer 3

The main reason one might prefer a wireless mouse over a wired one is because it has no chance of being useless just because its wire was pulled in a way it was not supposed to, but for the same reason there is a possibility of input lag. There are different types of wireless mouse for different purpose. If it is for gaming then focus should be on reducing that input lag and if it is for something that can deal with input lag then we can look for other options.

I would first classify the mouse as a gaming one or the other, I would then check for their purpose as it would not be logical to run all the same tests on mice for different uses.

If it is a gaming mouse I would prefer the range to be as minimum as 1-2 meter(s) from the point where the USB is connected. This is done to reduce the input the lag as the response will have to travel a much lesser distance to register. The buttons used should be LMB and RMB should provide reasonable response when clicked.

In case it is not a gaming mouse, we can increase the distance to 3-5 meters, as input will not be an issue. The LMB and RMB need not to be as responsive as its gaming counterpart.

The common tests that both should pass include the build quality, and the possibility that the mouse should not interact with another USB when there are two or more of them connected to the same system or are in close proximity with one another.

Now how to perform these tests, for responsiveness we need fast and accurate sensors to reduce the input lag, mechanical switches for better feedback from LMB and RMB. We need to select a light and durable material for the mouse, as we want our mouse to be light and durable at the same time.

Build quality is one of the primary factors for a mouse to be considered good.

We need to ensure that unique components are used that will not respond to any other components other than the one it is programmed for. If we can successfully implement these then our mouse should be classified as a good quality wireless mouse.