**Part 1: Test Cases**

1. Cross-browser testing in Desktop
2. Apple/Android testing
3. Tablet tesing (ipad/android tablet)

|  |  |  |
| --- | --- | --- |
|  | Details page Form validation |  |
| SN | Test description | Expected result |
|  | Client side – insert more than maximum length for all the fields in the page | More than maximum length of characters could not be entered |
|  | Validation side – insert invalid characters in the following fields: First Name, Last Name | Error message: “Field name” must include only letters” |
|  | Validation side – insert invalid characters in the following fields: Email | Error message: “**Please make sure the email you entered is formatted correctly (e.g.,** [xxxx@xxx.com)](mailto:xxxx@xxx.com))**.”** |
|  | Click to move to the next page without any input in mandatory field | Validation message: “Please complete all fields.” |
|  | Click to move to the next page without any input in mandatory field and check the color of the text field | The color will be red |
|  | There are more than one field without input, click to move to the next page.  Check the number of the messages which are presented at a time | The validations mechanism will present one message at a time |
|  | Insert input in all fields in the page, click to move to the next page | The format validation will be start |
|  |  |  |
|  | **Address suggestion page** |  |
|  | There are no available suggestions + zipcode wasn’t entered in the previous page | “re-enter address >“ button appears instead of the button “Next >” |
|  | Insert a valid address in the previous page, click “Next” | The address suggestion page will not appear because the address was fully validated |
|  | Insert more than 3 valid addresses which are confirmed by an external address validation service.  Check the max number of the suggested addresses in the Address suggestion page | The max number is 3 |
|  | Insert less than 3 valid addresses which are confirmed by an external address validation service.  Check the number of the suggested addresses in the Address suggestion page | The number is equal to that of the validated inserted addresses |
|  |  |  |

**2. Part 2 – Testing methodologies**

1. **Describe how would you test a system with thousands of test cases, given that you don't have enough time to test them all?**
2. **Define the difference between Regression tests and Sanity tests**.

The goal of Regression tests is to verify that all other components of the system are working properly. The tested component/feature did not influence all the system.

The goal of Sanity tests is to ensure that the code changes introduced are working as expected.

1. **Explain bug life cycle.**

*New > Open > Fixed > Closed*

In case the bug was not fixed properly:

*Fixed > Reopen > Fixed > Closed.*

This situation could be repeated more than 1 time until the fix is validated by the tester.

1. **What is the difference between severity and priority?**

Severity – this is the importance of bug influence on the system/tested feature.

Priority – this is the definition of how urgently the bug has to be fixed by the developer’s team.

* 1. **Give an example of a high severity and low priority bug.**

The error text is not presented/not clear for the user. This is high severity but low priority, the system can work.

* 1. **Give an example of a low severity and high priority bug**.

A check box “customer smoke/no smokes”. The user cannot uncheck the field so in any case it seems he smokes. There is a lot of impact on the premia price in this case. So the priority of this bug is high, the severity for software could be medium.

1. **Suppose you find a critical bug; how would you make sure that the same bug is not introduced again?**

After the bug will be fixed and checked, this test case would be added to the regression suite. The test case will run every regression cycle.

**Part 3: SQL**

* 1. Which one of the titles of the movies were released in **2009**?

Select \* from Movies where Year = 2009

* 1. Which is the longest movie based on the number of minutes.

Select max(**Length\_minutes**) from Movies

* 1. Which are the movies that released before or equal **2000**.

Select \* from Movies where Year = 2000 or Year < 2000

* 1. All the account details that belong to agent Jane Doe in state is NY.

Select \*

from Account

Join Agent on Account ID = Agent ID

Join Agency on Account ID = Agency ID

Where Agent.name = “Jane Doe” and Agency.city = “NY”