ANSWERS TO THEORITICAL QUESTIONS

1.

Suggested other scenarios for the given page:

1. Attempt to find out borrowing capacity without providing values to

mandatory fields. This is to check for warnings given to the user concerning filling up of compulsory fields

1. Provide invalid entries in fields like negative or very large numbers

and then check whether the system shows appropriate warnings

1. Check the page on multiple browsers like Chrome, Firefox and Edge

2.

Assuming there are many test scenarios concerned with this page, it is possible through Cucumber to mention one more specific scenario to run. That way, only a few tests will run and not all

3.

Time of execution can be decreased significantly by executing tests in parallel. It is possible to do this through Cucumber. For example, multiple scenarios can run in parallel using multiple threads

4.

One good way to avoid unpredictable scenarios like incomplete page loading is to use explicit waits. That way unnecessary page waiting will not be done. For example, in case of a login scenario, the system can explicitly wait to check whether the username is visible or not. Once it is visible it will no longer wait for page loading to complete.

5.

The focus for UI automation testing is Functional testing. Basically, to check whether the main functionalities are working or not. That is why for any product it is best to automate the available regression tests. It is not possible to automate all tests. It is ideal to automate only the main and stable workflows of a product.

However, that being said it is also possible to do integration testing using UI automation. For example, if two applications are interconnected, that is one depends on the other, then it is possible to test certain integrations between them to implement end to end tests