

ISTQB Advanced Agile Technical Tester

Exercise 2.2 – Solution

The overshadowing context here is mission criticality. With a new security feature and new account balance feature, the risk becomes higher for the bank and the customers.

Test Automation (e.g., which tests should be automated and by whom, how often should the automated tests be performed, etc.)

There will probably not be enough time in the sprint to automate new feature testing. However, regression testing could be automated. This could be done by a test automation engineer, or depending on the tool, perhaps a test analyst.

It would be best to start with a core set of tests that is very manageable, and then expand as time and resources permit.

Experience-Based Tests (e.g., what would be good candidates? Who would perform tests? Etc.)

New features would be good candidates for exploratory and other experience-based methods. Testers who understand the business and have critical thinking skills would be good people to perform the tests.

Some of the tests performed in exploratory testing could be implemented in documented test cases and test scripts. Some tests might be good candidates for test automation.

Black-box Tests (Tests designed with techniques such as BVA, EP, Decision Tables and State-Transition test design techniques) (e.g., what would be good candidates? Who would analyze, design and perform the tests? Etc.)

Features that have enough definition of rules and acceptance tests could probably be good candidates for the more formal test design methods. Test analysts who are trained in the techniques would be good to analyze, document and perform the tests manually first. These tests could also be automated at some point in the future.

Which major test approaches (risk-based, consultative, etc.) would be appropriate and how would the approach(es) support better release quality?

Risk-based approaches are useful in most situations except where everything is a high risk. In that case, testing needs to be as rigorous as possible. Some subject matter experts (banking and security) might be needed to help explain and evaluate tests (consultative), also some regulatory requirements might need to be verified as being met.