ID: 180917

Course: Software Testing

Date: March 21, 2019

Class Summary

In the class on the date stated above we learned about equivalence class partitioning and boundary value analysis. Equivalence class partitioning is a black-box test generation technique which is defined as the splitting up of the input domain into sets of relevant partitions. However before equivalence class partitioning can take place it is salient to first carry out using another test generation technique called boundary value analysis. In boundary value analysis the input domain is studied and specific zones are identified such as the both extremes of the input domain, the midpoint and offsets from both extremes. Depending on the input domain, equivalence class partitioning can be a very important technique as it prevents exhaustive testing while yielding similar results as an exhaustive test. These techniques are useful during functional testing, in other words to test whether or not the observed behaviors of an application conforms to its requirements.

There are a total of 8 documents generated from functional testing. They are the Test Plan, Test Design Spec, Test Case Spec, Test Procedure Spec, Test Transmittal Report, Test Log, Test Incident Report and the Test Summary.

For the class exercise we were required to:

1. Build, run and test your “Software version upgrade” app
2. Build, run and test your app with “Button” ,“Hello World”

The feature file for this test case is included in the features folder

1. Build, run and test your app with “Settings menu”, “Styles/Themes dialog”, “Darktheme”

This feature file containing this test is in the features folder

1. Build, run and test your app with Username/Password/Login actions, verify the results
2. Build and test the app from last semester, including your project, and more importantly, the projects from other groups

A html file is included in this project which links to the code used to test the app from another group