Writing Test Plans for Automation

- Planning automation vs. manual efforts
- High ROI for automation test cases
- Analyzing test cases to separate functions and scenarios
- Separating data from the tests
- Determining and assigning attributes to test cases

Description

This course is a 1-day hands-on training course that provides an introduction to writing test plans/cases that will be automated. Writing test plans and test cases based upon requirements may provide for full coverage of testing those requirements, however, the documents created may not produce the most efficient way to execute those tests, either manually or with automation.

In this course, you will learn how to analyze test cases to in order to separate the unique scenarios from the data that drives them and to find the most efficient order of execution. In addition, the concepts of assigning attributes to each test case to allow for more efficient re-execution will be discussed.

Audience, Prerequisites

This course is intended testers that will be writing test cases to be automated and also for those testers performing the automation.

Participants are expected to have experience testing applications. They should also be experienced with Microsoft Excel and it's also helpful if the attendee has some exposure to SQL.

Course length: 1 day

Course format: lecture plus individual and group exercises and discussions.

Topical Outline

Automation Strategy

- Identifying the best candidates for automation
- Using functional decomposition or use cases to identify unique paths
- Separating the user interface from the business rules to be tested
- Creating reusable test cases

Creating Data Driven Tests

- Separating the data from the tests
- Automatically generating input data
- Approaches to automatically calculate expected results
- Using the contents of the test database to generate test cases, input data and results

Test Attributes

- Assigning attributes to tests
- Priority Attributes
- Core functionality Attributes
- Regression testing attributes

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