Assuring Quality Using Azure Test Plans

Azure DevOps provides a set of cloud-hosted tools that software teams can use as an end-to-end solution to plan, develop, test, and deliver value in the form of working software. Azure Test Plans enable a team to plan, track, and assess quality throughout the entire development effort. This course will demonstrate how an agile team can configure and use Azure Test Plans to effectively assure quality in web and desktop applications.

This course contains several modules, progressively explaining how to use Azure Test Plans to plan, track, and manage the software product testing effort. To maximize learning, students will work in teams, in a common team project, on a common case study.

Who Should Attend

This course is appropriate for all members of a software development team, especially those who are actively involved in defining, assuring, and increasing the overall quality of their software products. This course will also provide value for individuals outside the development team (managers, Scrum Masters, coaches, and other stakeholders) who want hands-on exposure to the capabilities of Azure Test Plans.

Course Outline

Test Case Management
Defining and maintaining quality
Acceptance criteria and acceptance testing
Azure DevOps Services overview
Azure Boards overview
Configuring a team project for testing
Planning and running tests during a sprint
Charts, reports, and notifications
Extending Azure Test Plans
Hands-on

Test Planning
Test case management
Creating test plans and test suites
Creating and using configurations
Creating and managing test cases
Using parameters and shared steps
Importing and exporting test artifacts
Hands-on

Running Tests
Azure Test Runner
Testing a web application
Testing multiple times with different data
The Test & Feedback extension
Capturing screenshots and video
Reporting a bug during testing
Viewing and charting a test run
Exploratory testing overview
Performing exploratory testing
Creating a test case while exploring
Using Azure Test Runner to test a desktop app
Regression testing
Hands-on