

QA Manual Testing Course Content

Course Description:

QA Manual Testing is a process of software testing to find defects and execute test cases without using any automation tools. A manual tester needs to think and act like an end-user perspective to find bugs to ensure correct behavior. Knowledge of any testing tool is not required for manual testing. The manual tester needs to provide a written test plan for important test cases to ensure the completeness of testing.

QA manual testing is a key step in software testing for any new application before its automation testing. The scope of QA manual testing is always on demand in the IT field. Quality is a major factor for any type of product or service, manual tester ensures the best quality of the product.

Hachion QA manual testing online training curated by experienced masters from end to end. Our QA manual testing tutorial blends all concepts up to date. Manual testing course content provides in-depth learning of manual testing, QA role, test plan, test cases, priorities, snapshot, defects, bug report topics with hands-on assignments, projects.

Course Content:

Fundamentals of Testing

- Why is testing necessary?
- What is testing?
- Economics of Testing
- Black Box Testing
- White Box Testing
- Software Testing Principles
- Fundamental Test Process

Testing throughout the software life cycle

- Software Development models
- V - Model
- Iterative Life Cycles
- Test Levels
- Component Testing
- Integration Testing
- System Testing
- Acceptance Testing
- Maintenance testing

Static Techniques

- Reviews and the test process

- Review Process
- Inspections and Walkthroughs
- Code Inspection

Test Design Techniques

- Identifying test conditions and designing test cases
- Categories of test design techniques
- Specification-based or black-box techniques
- Boundary Value Analysis
- Decision Table Testing
- Equivalence Partitioning
- State Transition Testing
- Use Case Testing
- Structure-based or white-box techniques
- Code Coverage
- Decision Coverage
- Statement Coverage
- Structural Testing
- Experience-based techniques
- Error Guessing
- Exploratory Testing
- Choosing a test technique

Test Management

- Test Organization
- Test Plans, Estimates, and strategies
- Test progress monitoring and control
- Configuration Management
- Risk and Testing
- Incident Management

Other Testing Types

- Function Testing
- Volume Testing
- Stress Testing
- Usability Testing
- Security Testing
- Performance Testing
- Configuration Testing
- Reliability Testing
- Recovery Testing

Introducing Quality Center

- The Quality Center Testing Process
- Starting Quality Center
- The Quality Center Window

Specifying Releases and Cycles

- Defining Releases and Cycles
- Viewing Releases and Cycles

Specifying Requirements

- Defining Requirements
- Viewing Requirements
- Modifying Requirements
- Converting Requirements

Planning Tests

- Developing a Test Plan Tree
- Designing Test Steps
- Copying Test Steps
- Calling Tests with Parameters
- Creating and Viewing Requirements Coverage

Running Tests

- Defining Test Sets
- Adding Tests to a Test Set
- Scheduling Test Runs
- Running Tests Manually
- Viewing and Analyzing Test Results

Adding and Tracking Defects

- How to Track Defects
- Adding New Defects
- Matching Defects
- Updating Defects
- Linking Defects to Tests
- Creating Favorite Views