



CODERS ACADEMY

Training | Internships | Projects | Product Development

Software Testing

Course Contents

Proposed Hours - 50-60

Manual Testing

Software testing has a great career path., and it is not going to be out of style any time soon because every software application needs to be testing irrespective of technology used to develop it. QA Testing field is ever dynamic and is constantly witnessing the rise of new technologies and avenues. No customer will buy a defective product, Software Testing helps organizations to deliver quality product and bug free product to stay in business.

Software Development Models

- Waterfall Model
- Prototype Model
- Spiral Model
- Hybrid Model
- V and V Model
- Agile Model

SOFTWARE TESTING METHODOLOGIES

- Static Testing
- White Box Testing
- Black Box Testing
- Gray Box Testing

White Box Testing

- Unit Testing
- Integration Testing

Black Box Testing

System Testing

- Smokes / Sanity Testing
- Formal Testing
- Priority Based/Risk Based Testing
- Ad-hoc Testing
- Re-Testing
- Regression Testing
- End-to-End Testing
- Exploratory Testing

- Benchmark Testing
- Monkey Testing
- UI Testing
- Usability Testing
- Security Testing
- Performance Testing
- Load Testing
- Stress Testing
- Compatibility Testing
- Installation Testing
- Globalization Testing
- Localization Testing
- Recovery Testing

USER ACCEPTANCE TESTING (UAT)

- Alpha Testing
- Beta Testing

Non – Functional Testing

- Performance Testing
- Security Testing

SOFTWARE TESTING LIFE CYCLE (STLC)

- Test Planning
- Test Analysis
- Test Preparation
- Test Execution
- Defect Management / Bug Life
- Test Closure

Test Design Techniques

- Boundary Value Analysis (BVA)
- Equivalence Partitioning (EP)
- Use Case Testing.
- Decision Table Testing.
- State Transition Diagrams.
- Traceability Matrix (RTM)

Selenium

Selenium IDE

Selenium Remote Control (RC)

Selenium Web Driver

Web Element locators

Synchronization

- Wait using Thread.wait()
- What is implicit wait.
- What is explicit wait.
- Fluent Wait

Handling PopUps

- Alerts
- Hidden PopUps
- Upload File
- Download File
- Child Window
- Windows Based Popups

Reading from external resources

- How to read data from excel sheet
- How to write into excel Sheet
- How to read from Configuration/Properties File
- Files comparison

Browser Plugins

Browser Profiles

JUnit

- Junit Annotations
- Understanding unit testing frameworks
- Setting up JUnit
- Testing with JUnit

Testing

- What is Testing
- Installing TestNg in Eclipse
- TestNg annotations
- Understanding usage of annotations
- Running a Test in TestNg
- Batch Running of tests in TestNg
- Skipping Tests
- parameterizing Tests - DataProvider
- Assertions/Reporting Errors
- TestNg Reports
- Advantages over Junit
- Using TestNg in Selenium

Parallel Testing using TestNG

Selenium

Remote Testing using Selenium Grid

AutoIT integration with Selenium

Sikuli Integration with Selenium

Working on Maven and ANT

Test Automation Frameworks(TAFs)

- Functional driver
- Data Driven
- Keyword Driven
- Hybrid
- Functional driver
- Data Driven
- Keyword Driven
- Hybrid

CODERS
ACADEMY

Distance Education Programs

BCOM | BA | BBA | BCA | MBA | MCA | MCOM | MA

We have tied with many UGC recognized university to serve our students who may have discontinued or looking to add wings of education to their career through distance education. We have selected a few universities which are strong in their education system and provide the best platforms to students for their further studies.

Online Study Materials


Online Exams | Online Training

Online Assignments

Relationship Manager

Easy Exam Patterns

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