API Testing Syllabus

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API Testing Course Syllabus

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We do not buy you a job by bribing companies to secure a place in IT, instead we equip you with the skills needed to get employed in IT and will support you with unlimited number of relevant interview opportunities so that your career in IT becomes assured. Our support will be there until you get placed in an IT Company as that's our mission too.

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Introduction to REST API

- ❖ What is WebServices?
- ❖ Why WebServices so Popular?
- ❖ Overview of SOAP WebServices and REST WebServices
- ❖ What is REST API?
- ❖ How is different from SOAP WebServices?
- ❖ Base URL and REST Resources
- ❖ Understanding of GET, POST, PUT, DELETE

Getting Started with REST API Testing

- ❖ Understanding REST API Testing Part
- ❖ Manual Testing on REST API using POSTMAN
- ❖ How to Trigger New Request and Validate Response using REST API
- ❖ Limitation of Manual Testing

REST API Automation

- ❖ Overview Automation on REST Applications
- ❖ Benefit of Automation Testing for Applications
- ❖ Setting up Project Tools for Automation Testing
- ❖ Understanding How to setup for Automation Testing
- ❖ Mock Sample Testing
- ❖ How to validate Responses

Depth Automating REST API

- ❖ Automating POST request with Payload
- ❖ Applying Advanced validation on Responses
- ❖ Passing Previous values into subsequent Request
- ❖ Business case for Error Responses

REST API Framework development

- ❖ TestNG
- ❖ What is TestNG?
- ❖ Advantages of TestNG over Junit
- ❖ TestNG Setup
- ❖ Different types of Annotations, Assert
- ❖ Data Driven Test using Data Provider
- ❖ Converting Project to TestNG framework
- ❖ Generating reports and creating BAT file

Maven

- ❖ Importance of Maven in Framework
- ❖ Installing and configuring Maven
- ❖ Understanding of Maven
- ❖ Creating Maven Project and importing into eclipse
- ❖ Understanding POM.xml file and its dependencies
- ❖ Importance of surefirePlugin in executing Tests
- ❖ Integration of Testng with Maven

Jenkins- Continuous Integration Tool

- ❖ Importance of Jenkins
- ❖ Install and configure Jenkins
- ❖ Configuring Jenkin Settings and Workspace

Logs using log4j library

- ❖ What is log4j?
- ❖ Importing log4j into Eclipse project
- ❖ Importance of log4j xml file
- ❖ Understanding the xml file to control logging in Testcase
- ❖ Test case logging with log4j examples

Best Practices on REST API Testings

Are you happy with our course curriculum? Then why you delay? Take your mobile phone and ring us quickly on +91 88707 67784.