



Automation Testing

AUTOMATION TESTING 80hrs

Basic of WEB

- Hyper Text Mark-up Language (HTML)
- Cascading Style Sheets (CSS)
- JavaScript
- Simple page Design Using HTML

Database

- SQL

Object oriented Programming using Java

- Eclipse Installation & Setup
- Object-oriented Procedure
- Objects and Class
- Methods & Functions
- Basics of Core Java
- Hello World In Java
- Encapsulation
- Abstraction
- Inheritance
- Overloading
- Overriding
- Exception Handling
 - What is the Exception?
 - Try & Catch
 - Multiple Try..Catch
- Collection Framework
 - List
 - Dictionary
 - MAP

Automation Testing:

- Overview of Automation Testing
- Scenarios Of Test Automation
- Benefit of automation Testing
- Right Tests for Automation
- Simple Example of Test Automation
- Manual VS Automation

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Selenium IDE:-

- Selenium Introduction
- Selenium IDE Overview
- Installation & Setup of IDE
- Selenium IDE-Features
- Selenium IDE-Commands
- Open Commands
- Type Commands
- Type Keys Commands
- Click Commands
- ClickArt Commands
- Focus Command
- Close Command
- Store Command
- waitForCondition Command
- VerifySelected
- VerifyAlert Command
- VerifyAllLinks Command
- WaitForAlert Command
- StoreTitle Command
- StoreText Command
- StoreValue Command

NOTE:- Cover Any 5 Tools

Automation Tools

1.Selenium

Selenium Contents:

- Selenium Features
- Selenium vs QTP
- Selenium Tool Suite
- Selenium IDE
- IDE-Installation
- IDE-Features
- Selenium Web Driver
- WebDriver-Architecture
- WebDriver-Features
- WebDriver Vs RC
- Selenium & WebDriver-Installation
- First Test Case
- Locating Strategies of elements
- Locating by Identifier
- Running Test on Chrome, Firefox and IE
- Implementation of selenium on project

2. Maven

- Maven Overview
- Maven
- Maven Origins
- What Maven Provide?
- Ant vs Maven
- Maven's project object model(POM)
- Maven's Benefits
- Maven Environment SetUp
- Add Maven bin directory location to system path and verify Maven installation

3. JIRA TOOL

- JIRA Scheme
- JIRA Issues and Issue types
- What is JIRA Issue?
- JIRA Components
- JIRA screen
- Issue Attributes
- Issue Security Schemes

JIRA Agile

- Testing Framework
- Introduction of TestNG
- TestNg vs Junit
- Configure Eclipse with Selenium and TestNG
- New- Installation of TestNG
- TestNg Annotations and its Execution order.
- Grouping the Test Scripts and run through xml
- Parallel test execution
- Exception verification
- Handling XML File
- TestNG-Maven Integration

4. Test NG

- Introduction of TestNG
- TestNG VS Junit
- Configure Eclipse with Selenium and TestNG
- Installation of TestNG
- TestNG Annotations and its Execution order
- Grouping the Test Scripts and run through

5. Mobile Testing

- What is Mobile Testing?
- Mobile Testing Device Types
- Mobile Testing Emulator
- Mobile Testing Simulator
- Mobile Testing Application
- Mobile Testing-UI
- Mobile Testing-Android Frameworks
- Mobile Testing Selendroid Framework
- Mobile Testing-Appium Framework

6. Cucumber

- Cucumber Basics
- Cucumber Selenium
- Data Driven Testing
- Data Tables in Cucumber
- Cucumber Annotations
- Cucumber Frameworks
- Cucumber Automation Framework
- Cucumber Selenium Test
- Cucumber Convert Selenium Test to Cucumber
- Cucumber Page Object Manager
- Cucumber Config File Reader
- Cucumber WebDriver Manager
- Cucumber JSON Data Reader
- Cucumber AJAX Wait
- Cucumber Sharing Scenario Context
- Cucumber Run Test

7. API Testing

- What is an API?
- API Testing Types
- Common Tests on API's
- Advantages of API Testing
- Tools in API Testing
- API Testing Example

8. POSTMAN

- Postman Overview
- API Testing with POSTMAN
- Installation of POSTMAN On Windows
- POSTMAN Navigation
- Request in POSTMAN
- GET Requests in POSTMAN
- Response in POSTMAN
- POST Request

Live Automation Projects

Assignments

Mock Interviews