

NEXT IT CAREER

API TESTING



API TESTING COURSE CONTENT

API Testing Overview	<ul style="list-style-type: none">• Introduction to Software Automation• Why Automation is necessary• What is API Testing• What is Web services• Types of API's (SOAP, REST, gRPC)
REST API	<ul style="list-style-type: none">• What is REST API• Importance of API• What are the Parameters & Headers, Endpoint
Request Methods	<ul style="list-style-type: none">• What are the Methods Available in Tosca• POST, GET, PUT, DELETE.....
Tools & Software Installation	<ul style="list-style-type: none">• Java 11• IntelliJ IDEA• MySQL• Postman
Test API & Document	<ul style="list-style-type: none">• Explanation of Test API and Uses• Manual & Automation API• Understand API requirement & API Document• Identify Test cases as Positive and Negative, Schema Validation.
Cucumber and Write Test cases for API	<ul style="list-style-type: none">• Cucumber and Feature File & Step Explanation• Gherkin feature file overview-keyword• Tags, Scenario & Outlets, data Table.
API Test Case Overview	<ul style="list-style-type: none">• Review of Test cases & Update & Comment• Introduction on Swagger• Create payload• Update payload• Generate End point URL

API Test Case Execution using POSTMAN	<ul style="list-style-type: none"> • Download & Installation of Postman • Set up API Locally • Execute Test case • Explanation of Authentication • OAUTH, Header
Rest Setup	<ul style="list-style-type: none"> • Overview & Setting in windows • Cucumber BDD API Framework Overview.
Serialization & Deserialization	<ul style="list-style-type: none"> • Explanation of Serialization and Deserialization
Request & Response	<ul style="list-style-type: none"> • Post Request and Verify Response • Response Codes: 200,400,404...
Request Methods	<ul style="list-style-type: none"> • POST, GET, PUT, Delete
Dependency Injection	<ul style="list-style-type: none"> • Passing Values between different class
Automate E2E testing	<ul style="list-style-type: none"> • Explanation of E2E Testing
Schema validation	<ul style="list-style-type: none"> • Schema Validation • Multipart form data • File Upload • Download
Authorization	<ul style="list-style-type: none"> • Explain Authorization Technique • Auth Cert
Refactor with Project Lombok	<ul style="list-style-type: none"> • Explanation of Refactor and Example
Report Extent	<ul style="list-style-type: none"> • Introduction Report Extent • Allure • Integrate with Git • Jenkins

INTERVIEW QUESTIONS AND ANSWERS

Duration : 35 days

Location : Hyderabad, KPHB

Project Orientation Program

100% JOB ASSISTANCE PROGRAM

Contact: 7013123485

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