

Cucumber + Rest API Testing

TOPICS

Cucumber

- Cucumber Introduction
- TDD (Test Driven Development) Vs BDD (Behavior Driven Development)
- Set Up Cucumber with Eclipse IDE
- Install Cucumber Eclipse Plugin
- Set Up Cucumber with IntelliJ IDE
- Cucumber Selenium Java Test
- Cucumber Environment
- Setting Up Cucumber with Selenium
- Cucumber Gherkins languages
- Cucumber Features file
- Cucumber Scenarios
- Cucumber Annotations
- Cucumber Scenario Outline
- Cucumber Tag
- Cucumber Data Tables
- Parameterization in Cucumber
- Cucumber Comments
- Cucumber Hooks
- Cucumber Command Line Options
- Cucumber JUnit Runner
- Cucumber Reports generation both Html report and Json report
- Selenium Cucumber Project work

Rest API Testing using Rest Assured

Basics of Webservices/API's

- What is Client and Server?
- Client Server architecture
- Presentation, Business & Database Layer

- What is Request & Response
- What is API & API Testing
- What is Web Service
- Difference between API & Web service
- SOAP VS Rest services
- HTTP Methods (GET/POST/PUT/DELETE)
- Status Codes
- Examples of Web service API's

API Testing using Postman

- Download and Install Postman
- Creating Requests & Analyzing Response
- Request Parameters in Postman
- Postman Collections
- API Requests - GET, POST, PUT, DELETE
- Test and Collection Runner in Postman

REST Assured Automation

- Environment setup
- Keywords used in BDD Approach
- How to send GET Request
- How to send POST Request
- How to send PUT Request
- How to send DELETE Request
- Validating Headers
- Authorization parameters
- Basic validations on JSON Response
- Basic validations on XML Response
- How to rootPath & detachRootPath in RestAssured
- Different ways of Reading Response
- Working with Response Headers
- Working with Response Cookies
- Handling Authentication types
- Types Parameters and working with Parameters
- How to use Request Specification Builder & Response Specification Builder
- Logging

- Serilization & De-Serialization JSON
- Serilization & De-Serialization XML
- Project work