edForce

API Testing

Duration: 2 days

Client -Server Architecture

- Presentation, Business and Database Presentation, Business and Database layers
- What is an API?
- What is API Testing?
- Difference between API testing and Difference between API testing and Unit testing
- Web services ->an introduction
- HTTP Structure
- xml and JSON ->an overview
- URI and URL
- Tools for API Testing
- Approach of API Testing
- Challenges of API Testing
- What to test for in API testing
- HTTP methods
- Status codes
- Example APIs

REST

- Introduction to REST Web services.
- Difference between SOAP and REST Web services.

REST ASSURED

- What is REST?
- Rest Architectural Elements

POSTMAN Tool

- Introduction to POSTMAN tool and installation.
- Creating requests in Postman.
- Creating collections in Postman.
- Understanding variables and environments in Postman.
- Authorization in POSTMAN
- Assertions/Test scripts in POSTMAN.
- Command line integration with

REST ASSURED– Basics

- Configure Eclipse with Rest Assured
- REST API Test using Rest Assured
- Validate Response Status using Rest Assured
- Validate Response Header using Rest Assured
- Read JSON Response Body using Rest Assured

Rest Assured Advance

- POST, PUT and PATCH Request using Rest Assured
- Authentication and Authorization in REST Web Services
- Sample automation framework design using REST ASSURED

SOAP

- Introduction to SOAP WEBSERVICES
- SOAP UI /READY API BASICS and installation.
- Create a Project, Test Suite, Test Case
- Assertions.