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API TESTING

Syllabus

API Testing Basic

- . Client-Server Architecture
- . Presentation,Business and Database Presentation.Business and Database layers
- . What is an API?
- . what is API Testing?
- . Different 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
- . Examples APIs

POSTMAN Tool

- . Introduction to POSTMAN too and installation
- . Creating requests 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.

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