



Rest Assured API Testing Curriculum

STRUCTURE



Rest Assured API Testing Curriculum

“Become a certified Rest Assured API Testing professional by joining our comprehensive Training Program at Croma Campus”

About Croma Campus:

Croma Campus Training & Development Private Limited is an education platform since 2010 providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty and industry.

- Hands-On Live Projects
- Simulation Test Papers
- Industry Cases Studies
- 61,640+ Satisfied Learners
- 140+ Training Courses
- 100% Certification Passing Rate
- Live Instructor Classroom / Online Training
- 100% Placement Assistance

Course Objectives:

- You will not only gain knowledge of REST API Testing and Advance tools, but also gain exposure to Industry best practices, Aptitude & Soft Skills.
- Get REST API Testing Professional Certification Guidance Support with Exam Dumps
- For Corporate, we act as one stop recruiting partner. We provide right skilled candidates who are productive right from day one
- Get Resume & Interviews Preparation Support too by expert trainers working in corporates for years.
- Concepts: REST API Testing Introduction, Overview of JSX, REST API Testing Life Cycles Overview, Handling in JSX, Flux overview, Unit Testing.

Course Description:

Our training course is designed to make you an expert in working with Backend API Testing. Our Industry Experts have more experience in working with Backend Testing and will ensure that you get trained and become experts in Rest Assured API Testing Automation & REST Assured API Test Framework Designing.

REST API Testing is defined as a service that is provided by an application on a particular device or server to another device or client application when installed through communication through World Wide Web.

The data transfer or any requests will be done as XML or JSON through the help of HTTP OR HTTPS protocol over the application where the response is received is processed by the client application irrespective of the architecture, technology, and software platform.

Croma Campus Training Program Deliverables:

- **Session Recordings** - Original Class Room Voice & Video Recording
- **Training Material** - Soft Copy Handbooks
- **Assignments** | Multiple Hands-on Exercises
- **Test Papers** - We provide **Practice Test** as part of our course to help you prepare for the actual certification exam.
- **Live Case Studies**
- **Live Projects** - Hands-on exercises and Project work. You will work on real time industry-oriented projects and assignments for each module to practice.
- **Key focus on Hands-on exercises and Project work.** You will work on real time industry-oriented projects.
- Faculty with more than **10+ Years of Experience** in the Industry.
- **Technical Resume Designing & Job Assistance:** With more than 100+ Clients across the Globe and we help learners to get a good job in their respective field. We also help learners with resume preparation.
- **Interview Q&A**
- **About Croma Campus Training Certificate:** Croma Campus will provide you with an industry-recognized (Certified by ISO 9001:2015 & E-Cell IIT Jodhpur) course completion certificate which has lifelong validity.
- **How I Unlock my Croma Campus Certificate:** Attend Complete Batch & Submit at least One Completed Project.

Course Content:

Module 1: Introduction

- Course Outcome
- Introduction
- How to reach me anytime and ask questions?

Module 2: Overview and Install Java

- Java Environment Setup - Mac
- Java Environment Setup - Windows
- Install Eclipse - Windows
- Eclipse Installation - Mac

Module 3: Rest API Introduction

- Rest API Architecture
- What Are Endpoints?
- Get-POST-PUT-DELETE Requests
- Understanding Headers
- Twitter API Documentation
- Rest API Information Text File

Module 4: Rest Client Setup

- Postman REST Client Installation

- Advanced Rest Client Setup
- Rest Easy Client - Setup

Module 5: Rest API Testing Using Postman Client

- What to Verify in Rest API Testing?
- Understanding Google Maps API Documentation
- How to get Google API Key?
- GET Request Postman Client - Practical Example
- POST Request Postman Client - Practical Example
- Delete Request Postman Client - Practical Example
- POST-GET-DELETE Complete Workflow - Practical Example
- Understanding WADL Documentation

Module 6: Rest Assured Setup

- Build Path Clean Up

Module 7: Rest API Automation Overview

- Get Request - Practical Example
- How to get response body?
- Understanding JSON Hierarchy
- How to Validate Response Body?
- POST Request - Practical Example
- POST Request with Java Object Serialization
- Query Parameters Vs Path Parameters
- Rest API Automation Overview - Documents

Module 8: Real World Twitter APIs Example

- Understanding Twitter APIs OAuth
- How to Generate Twitter Access Tokens?
- Twitter GET-POST Request Using Postman
- OAuth Environment Setup
- Twitter POST Request - Practical Example

Module 9: Validating JSON Response

- How to extract JSON response?
- Validating JSON Response documents

Module 10: Twitter End-To-End Workflow

- Twitter GET Request
- Twitter End-To-End Workflow
- Path Parameter Usage in Twitter Workflow
- Twitter End-To-End Workflow Documents

Module 11: Validating XML Response

- How to extract XML response?
- Validating XML Response Documents

Module 12: Request and Response Logging

- Request and Response Logging Introduction
- Rest API Request Logging
- Rest API Response Logging
- Request and Response Logging - Documents

Module 13: Rest Assured Assertions

- What to validate in Rest Assured?
- Hard Asserts Using Rest Assured
- Soft Asserts Using Rest Assured
- Rest Assured Assertions Documents

Module 14: Useful Tricks

- Root Path - Practical Example
- How to Check Response Time?
- Useful Tricks Documents

Module 15: Rest Assured Specifications

- Rest Assured Specifications Advantages
- Request Specification
- Response Specification
- Clubbing Request and Response Specification
- Rest Assured Specifications Documents

Module 16: Automation Framework

- Advantages of Automation Framework
- Maven Project Setup
- Organizing Framework Constants
- Project Dependencies Setup
- Building Rest Utilities
- User Timeline Framework Test

Module 17: End-To-End Framework Execution

- Running End-To-End Framework Using TestNG
- End-To-End Framework Execution Using Maven
- End-To-End Framework Execution documents

Module 18: Build Management with Maven

- Introduction
- Maven Features and Advantages
- Maven Setup and Installation
- Creating and Importing Maven Project
- Maven Local and Central Repositories
- POM Explanation
- Build Lifecycle and Maven Commands
- Build Management with Maven Documents

Module 19: Placement Guide

- Tips to clear an Interview
- Common Interview questions and answers
- Rest Assured API Testing Interview Questions and Answers
- Resume Building Guide
- Attempt for the related Global Certification Exam
- Earn Credentials and Start applying for Jobs