

# REST Assured - One Hour Presentation

## 1. Introduction to Automation (10 mins)

- **What is Automation Testing?**
- **Benefits of Automation in API Testing**
- **Comparison: Manual vs. Automated Testing**
- **Common Tools for API Automation**
- Postman
- REST Assured
- SoapUI

## 2. Overview of REST API (15 mins)

- **What is REST API?**
- **Key Concepts and Terminology**
- Endpoints, Methods (GET, POST, PUT, DELETE)
- Status Codes
- **REST vs. SOAP APIs**
- **Real-world Examples of REST APIs**

## 3. Introduction to REST Assured (30 mins)

- **What is REST Assured?**
- **Why use REST Assured for API Automation?**
- **Setting up REST Assured in a Maven Project**
- Dependencies in `pom.xml`
- **Basic REST Assured Syntax**
- Sending GET, POST, PUT, DELETE Requests
- **Validating Responses**
- Status Codes
- Response Body
- Headers
- **Assertions and Verifications**

- **Parameterization and Data-Driven Testing**

## **4. Demo and Hands-On (15 mins)**

- **Writing a Simple Test using REST Assured**
- **Running and Validating the Test**
- **Debugging and Analyzing the Results**

## **5. Q&A and Wrap-up (5 mins)**

- **Recap of Key Takeaways**
- **Best Practices for REST API Testing**
- **Open floor for questions**