**Java Design Patterns & Devops to build Selenium Framework**

**Learn Industry Standard Automation Framework with Top Coding Design Patterns & Seamless Integration to Latest tech tools**

**What you'll learn**

* Understand the Java Design Patterns to build Top class Selenium Automation Framework
* Learn how to Connect Test Automation Frameworks with Artifactory Management tools like JFROG
* Implement Continiuos Integration Best Practices with Git Hub Web Hook Plugin with Jenkins Trigger Mechanism
* Implement Design Practices such as Single Responsibility Design Pattern , Strategy Design Pattern, Factory Design Pattern
* Importance of Execute around Design Pattern in Selenium Coding
* Implementing Hash Map Mechanism for Data Drive Testing which constitutes many data inputs
* Connecting Core Automation Framework with Child Test Frameworks with Maven Dependencies

**This course includes:**

* 7 hours on-demand video
* 3 articles
* 2 downloadable resources
* Access on mobile and TV
* Certificate of completion

**Requirements**

* Basics of Java
* Selenium

**Description**

**Your Struggle ends here in designing Top Notch Enterprise level Selenium Frameworks with all the Proven Best Coding Standards.**  
This course will explain most important Java Design Patterns which will be very suitable for Test Frameworks design and guide you from scratch with step by step Implementation of the Framework solution with all Proven Best Practices.

You will also learn Advance Maintenance methods on how to Integrate your Framework with Artifactory Management tools like JFROG with Maven Snapshot Jars and build Continuous Integration Solution with Git Hub Web Hooks

On Successful course completion, You can confidently Claim yourself as Test Architect/ Expert in Frameworks Design as per the Latest Standards of 2022  
  
**· What are Design Patterns?**  
In software engineering, a software **design pattern** is a general, reusable solution to a commonly occurring problem within a given context in software design.  
  
**Design Patterns discussed in this Course for Automation Framework Design:**

Single Responsibility Design Pattern (SRP)  
Strategy Design Pattern  
Factory Design Pattern  
Execute around Design Pattern  
Screenplay Design Pattern

· **Best Practices you will learn from this course:**

Connecting Core Automation Framework with Child Test Frameworks with Maven Dependencies

Understand how to create Snapshot of one Project and include it in another Project  
Importance of Jfrog Artifactory Management tool in Test Automation Frameworks for code centralization

Creating Git Hub Web Hooks to implement Continuous Integration for every code commit to Artifactory/ Git

Implementing Hash Map Mechanism for Data Drive Testing which constitutes many data inputs

**Who this course is for:**

* QA Engineers, QA Architects, Java developers,Automation Enginners