

# Automation Testing total Checklist

## 1. Java concepts:

- ☐ Class: Regular, Abstract, Concrete
- ☐ Object
- ☐ Variables
- ☐ Methods: Regular, Abstract
- ☐ Constructor
- ☐ Interface
- ☐ Blocks
- ☐ String
- ☐ Arrays
- ☐ Collections : List, Set, Queues, Maps
- ☐ Wrapper classes
- ☐ Errors & Exceptions

## 2. OOP concepts:

- ☐ Encapsulation
- ☐ Abstraction
- ☐ Inheritance
- ☐ Polymorphysm

## 3. Selenium Webdriver

- ☐ Selenium Architecture & Webdriver functions
- ☐ Locators
- ☐ Waits: Implicit, Explicit:Fluent/WebDriver
- ☐ Webelement actions
- ☐ iFrame
- ☐ Popups / Alerts
- ☐ Listbox & Select Class
- ☐ Action class: mouse/ keyboard
- ☐ Robot class
- ☐ Parameterization (Read from Excel)
- ☐ Screenshot
- ☐ Scrolling using JavaScript
- ☐ Cookies
- ☐ Loggers & appenders
- ☐ Selenium Exceptions
- ☐ SSL certificate handling \*\*

## 4. Testing Framework:

- ☐ POM &POM with Page Factory
- ☐ TestNG: Annotation, Keywords, Validation, Listener, Reporter, Test suit, Parameters
- ☐ Maven Framework (Hybrid)
- ☐ Git & Github, Jenkins (CI/CD tools)\*\*
- ☐ Selenium Grid\*\*