

Selenium Hands-on Training – Class 4

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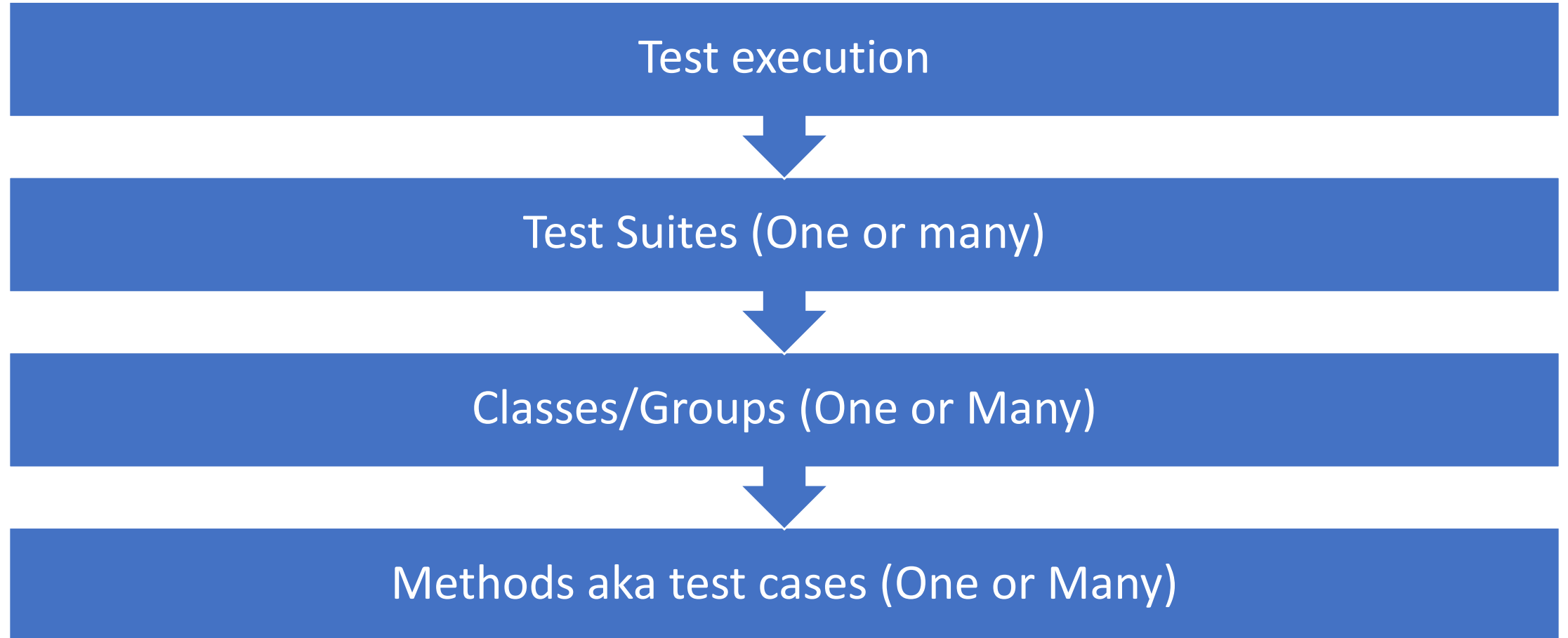
Recap of previous session

- Overview of automation testing & selenium
- Maven, POM.xml, dependencies
- How to install download Selenium, Selenium drivers ?
- Writing a hello world program in Selenium

Agenda for the day

- How to install TestNG jar and TestNG plugin ?
- What is TestNG?
- How to create TestNG.xml and various features available in TestNG
- TestNG annotations
- TestNG reports

TestNG hierarchy



TestNG Annotations

 **Test**

- ✓ **@BeforeSuite:** The annotated method will be run before all tests in this suite have run.
- ✓ **@AfterSuite:** The annotated method will be run after all tests in this suite have run.
- ✓ **@BeforeTest:** The annotated method will be run **before any test method** belonging to the classes inside the <test> tag is run.
- ✓ **@AfterTest:** The annotated method will be run **after all the test methods** belonging to the classes inside the <test> tag have run.
- ✓ **@BeforeGroups:** The list of groups that this configuration method will run before. This method is guaranteed to run shortly before the first test method that belongs to any of these groups is invoked.
- ✓ **@AfterGroups:** The list of groups that this configuration method will run after. This method is guaranteed to run shortly after the last test method that belongs to any of these groups is invoked.
- ✓ **@BeforeClass:** The annotated method will be run **before the first test method in the current class** is invoked.
- ✓ **@AfterClass:** The annotated method will be run **after all the test methods in the current class** have been run.
- ✓ **@BeforeMethod:** The annotated method will be run **before each test method**.
- ✓ **@AfterMethod:** The annotated method will be run **after each test method**.

Example scenarios

@BeforeSuite – Initialization of test report

@AfterSuite – Closing and publishing test report

@BeforeTest – Closing opened browsers, clearing session cookies

@AfterTest – Logout from applications

@BeforeClass - prerequisite for the module

@AfterClass – Post execution actions (ex. variable reset)

@BeforeMethod – Test data fetching from excel sheet

@AfterMethod – Test result writing to the excel sheet

Assignment for the day

- Please execute the given test suite files and understand the order of execution followed in TestNG tags.
- Please try the various options available in TestNG.xml to control the execution
- Documentation link : <https://testng.org/doc/documentation-main.html>

In the next class...

- various web elements and it's properties
- How to write xpath for the web elements