

Date - 04 Nov 22

POM Concept -

Page factory -

>> Page factory - advanced form of POM concept

>> It is class which contains init() methods which is res to initialize all data members

>> @FindBy annotation going to use to find webelement

```
PageFactory.initElement(driver,this);
```

```
@FindBy(Locator="value")
```

```
private WebElement name;
```

```
@FindBy(id="")
```

```
private WebElement name;
```

Maven Project -

1. Maven is build automation tool which used to design java project

2. Maven project follows POM concept

3. Many lang - java, python, C#, ruby etc

4. Maven is used to define project Structure

it includes

- src/main/java >> page layer

- src/test/java >> Test Layer

- JRE Library

- Maven dependencies

- src

- target
- pom.xml

5. Maven project is configured with pom.xml (Project Object Module)

6. Maven automatically download all the jar file from maven repo using pom.xml (Maven Dependencies)

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Dependency - code , jar files

Plugin/extension - Specific goal

pom.xml -

pom.xml consist of following tabs

- overview - Basic info related project
- dependencies - all added dependency
- dependency hierarchy - tree structure for all added dependency
- Effective pom - Working dir represent and basic configuration
- pom.xml - all the info related project + we can dependency + multiple plugin

How to create maven project -

Steps -

1. Click on file >> new >> project
2. Click on maven >> maven project >> next >> next
3. Select org.apache.maven.archetypes (quickstart) and version is 1.4 or 1.1
4. click On next
5. Provide group ID and Artifact ID — then click on finish

webdrivermanager -