**Spring Boot**

**Summary:**

Spring is widely used for creating scalable applications. For web applications Spring provides Spring MVC which is a widely used module of spring which is used to create scalable web applications. But the main disadvantage of spring projects is that configuration is really time-consuming and can be a bit overwhelming for the new developers. Making the application production-ready takes some time if you are new to the spring. Solution to this is

Spring Boot

**Maven**

it helps programmers manage their projects and and the things they need to build their programs

**Maven concepts:**

mvnw [options] [<goal(s)>] [<phase(s)>]

mvnw

clean -removed temporary directories and files

pre– clean – Hook for before cleaning

clean – Does the actual cleaning

post- clean – Hook for after cleaning

default

compile – Compiles your code into bytecode

test – Runs unit tests

package –Creates a jar or war file

verify – Runs checks & integration tests

→ there’re executed by ordering

site

**Maven Project Structure**

**Maven WorkFlow**

**Maven Spring Boot Plugin**

./mvnw spring-boot:run → Ctrl C to stop

**Spring framework vs Spring Boot**

Spring boot is a popular framework for building java application

Spring framework if a chunk of code written on top of a languages core library to solve common problems

**Spring App Layers**

\_Presentation

\_Service

\_Persistence

**Modularity**

**Inversion of Control**

**Beans**