

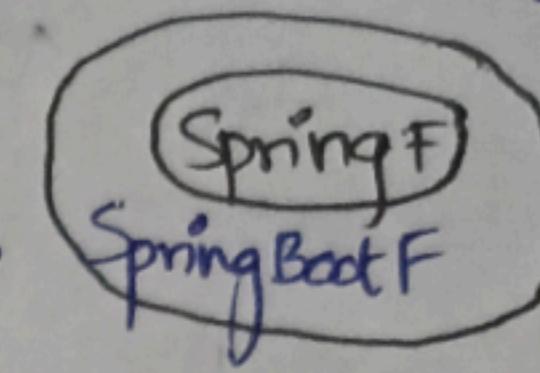
(Introduction to Course)

Spring - Framework

SpringBoot - Extension framework of Spring

} Springboot Framework = Spring +

Course Prerequisites: Core Java (Strong), ADV-Java (JDBC),



SQL Basics + Common Sense

Course Duration : 100-110 Sessions

- Hibernate ^{will be} is covered in Springboot Spa module.
- Webservices will be covered along with Springboot Rest module.

Q) Who needs the Course: Every Jobseeker of Java Domain needs this course.

Note: Both Java Freshie and Java Experienced needs this course.
without this course No Company can will come.

In Java Domain, we have 3 Categories of Subjects to learn

(a) Java Language. (Raw materials of the programming like wheat | Rice Grains)

(10% ready made, 90% User-Defined)

Eg: Core Java Course

(b) Java Technologies (Semi-finished products like wheat(rice flour))

(40% ready made and 60% user-defined)

Eg: Adv. Java Course (JDBC, Servlet, JSP, JNDI, and etc.)

(c) Java Framework (Fully Finished products like maggi)

Baba Noodles)

(90% ready made & 10% user-defined)

Eg: Struts, Hibernate, Spring, Springboot, JSF and etc..

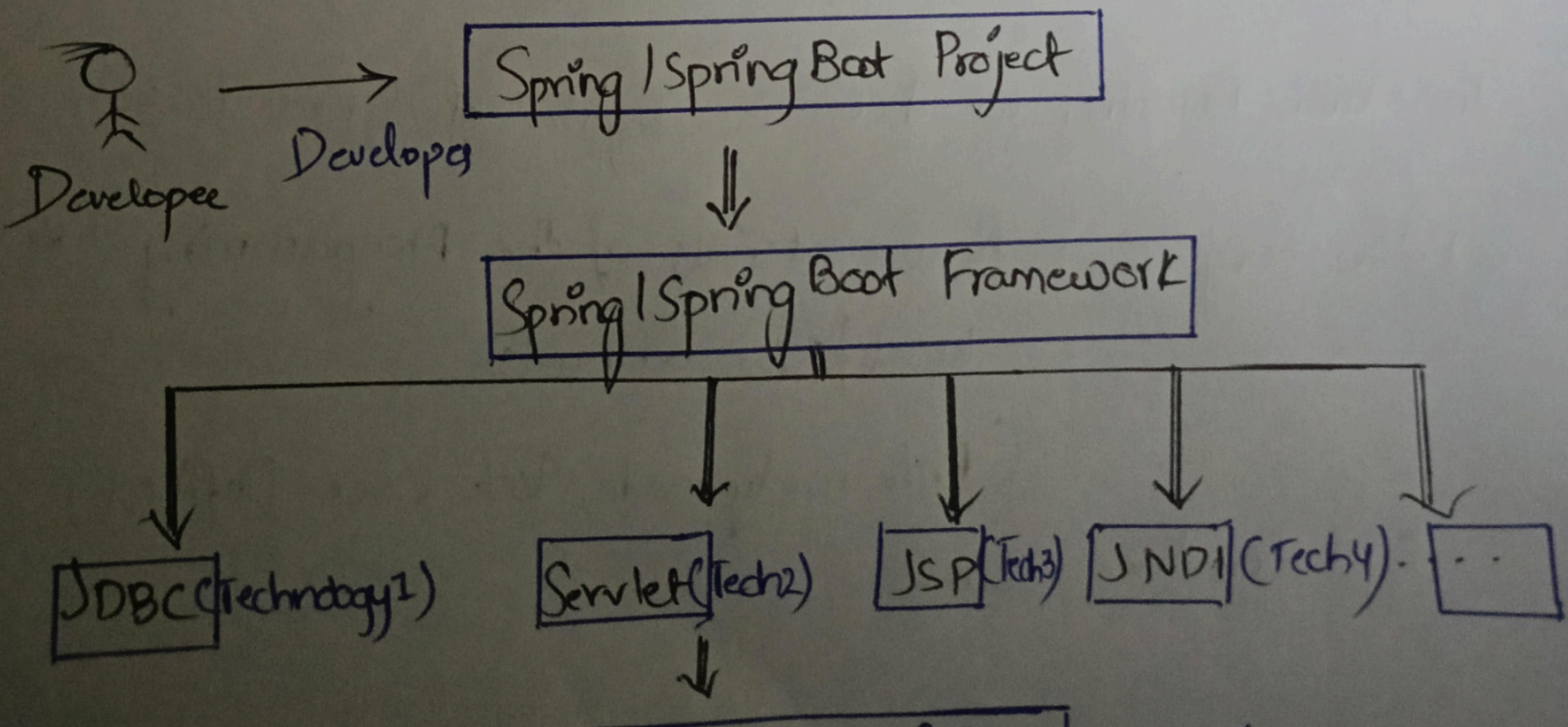
JSP :: Java Server Pages

JNDI :: Java Naming And Directory Interface

JSF :: Java Server Faces

⇒ frameworks are built on technologies

⇒ Technologies are built on top of languages.



- (3)
- ⇒ If we develop Supermarket project using Java Lang let assume we need to write 10,000 lines of code (Loc)
 - ⇒ If we develop supermarket project using Java Technologies. let assume we need to write 6000 lines of code (Loc)
 - ⇒ If we develop Supermarket project using Spring Framework let assume we need to write 3000 lines of code (Loc)
 - ⇒ If we develop Supermarket project using SpringBoot Framework let assume we need to write 1000 lines of code (Loc)
 - ⇒ Technologies provide abstraction (hides the complexity) on Languages
 - ⇒ Framework provide abstraction (hides the complexity) on Technologies
 - ⇒ Spring boot framework provides abstraction on Spring

Java - Standalone projects

Adv. Java - Standalone + Medium Scale Websites

Spring + Spring Boot
+ Microservices

- Standalone + webAppⁿ + Distributed Applⁿ

+ MS Architecture Appⁿ + Enterprise Applⁿ

→ AI will not replace Programmers but programmers involve AI to make
life
less * simple