Managed Components Managed Classes

Container manages the beans . How ?

- -- Creating instances in different ways(Singleton / Prototype , eager/lazy) --- BeansFactory
- -- DI = Dependency Injection ---- properties are WIRED (through setters , constructors , autowired properties) = D ---dependency means the properties

```
MVC = Model View Controller ---- Architecture
```

```
Model = Data ( DO , DAO , Data processing Logic )
View = Presentation of the Data ( HTML , JSP ) ---- BROWSER
```

To Loosely Couple Model and View , A CONTROLLER is used

```
Model, Model, Model
```

Controller

View, View, View, View

MVC in Servlet JSP

```
Model = DAO ,DO
SERVLET ----Controller
View = JSP
```

Spring MVC

```
Model = DAOBeans , BLBeans

Controller = Web MVC Controller Bean

View = JSP / Thymeleaf
```

Spring Annotation written for class Level -----

@Configuration } What will spring think ? This is java config , I will get @Bean tags inside it.......

Three names mean the same for container !!! They are only used for programmer readability. For programmer @Service means some feature of business logic is in the class

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@Repository means some DAO or DB related tasks are done in the class
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@Component --- general bean , not specifically DB related or service

@Controller \Big \What will spring think ? This is a java class that I have to manage , Instantiate, DI PLUS

We write a Controller : MAP the	request to Model and View
Request = GET or POST	
Output a JSP	
JSP goes to the browser	
Development Phase	
 Write JSP Write Configuration 	
3. Write Controller	
Deployment Phase Run the tomcat server the	e embedded tomcat runs and deploys
Production Phase / Request Phase Client starts sending request	
Cheffe starts seriaing request	is from browser
 webapp /WEB-INF/views/ h java class controller Application.properties a 	
Spring Boot = Many boiler plate of the configuration of the configuratio	urations can be given through key value pair setting in
Spring boot will	in the same package as main class then scan is not needed auto scan it
3. When spring finds the contri	oller it will instantiate the controller
FLOW helloshows a	buttongoes to welcome urlshows welcome
Flow2 we passed uname to we	elcome
IIDI = input	See a screen that accents a number, and a button
URL = input On button click = URL_showTable	See a screen that accepts a number and a button

