=> SpringBoot profiles :- ✓

Spring MVC :-

                                    Technology   Frame work

    Web Application —> servlet &   spring MVC

View

        —— spring mvc ——

    Ly C To B | >   spring Rest

    Ly B To B | B TO B   Distributed

        C To B   web APP

        requt   (Telusro)   (PayPal)

View   .API   Enterprise

jsp/mml   (APP)   (APP)   APP

react   response

   enduser   servet   seml

   customer   AIP

                             country

   ext   Facebook -> C To B   -> web

        Telusro -> C To B To B => Distributed }

-> { Spring MVC } -> C To B { View   APP

                               JSP,   Backed

                               mml   Sprigboot mvc

      Ly springREST &   Tymleaf

                ↓

             B To B

=> (Spring web MVC) -> 2 Design Pattern

   Ly MVC Architetural Design Pattern }

   Ly Frontlontroller Design Pattern

=> Spring MVC Components :-

   ① Frontlontroller —> Dispatcher servlet }

   ② Handler Mapper

   ③ Controller

   ④ View Resolver

   ⑤ View

HTTP ✗) ✓

HTTP request →

end ✗✗✗

DS→ DispatcherServlet
FC→ FrontController

HTTP response ←

D
S
↓
{ F }
C

① ↑
②
③
④
⑤ ↓
⑥
⑦ →
⑧

HandlerMapper

Controller

ViewResolver

View =

& MAV &

PL,
LVN
=

logical viewName
home
.jsp

↳ process request

pre-processig & Post-processig
↓)
form data
request

↓)
response in client
understandable format

Front Controller(DispatcherServlet) will receive incoming HTTP Request
(DispatcherServlet is predefined class in Spring MVC module acting as Front Controller)

DS will forward the Requested URL to HandlerMapper

HandlerMapper will identify which controller will handle the request and this details will be given back to DS

DS will now call respective Controller

Controller will process the request and will return ModelAndView Object to DS
model --> Data
view -- > Logical view Name (View file name)

DS will now call ViewResolver which will identify the extension and view file location then these details will be given back to DS

DS will send Model data to view component

Model data will be rendered in the view file specified send that view back to DS

DS will response back to client in client understandable format(view page)

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In Spring MVC/SpringBootMVC the Front Controller is DispatcherServlet which is ready made ServletComponent

All the activities in SpringMVC takes place under the control or monitoring of DispatcherServlet component

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Ways to develop web app with Spring MVC

1) XML driven cfgs --> Declarative cfgs approach ==> web.xml
2)Annotation cfgs approach (XML + Annotation)

3) Spring Boot MVC --->

$\Rightarrow$ C TO B (or) B TO B

spring mvc $\rightarrow$ { spring-mvc -starter }   embedded Server

                            $\downarrow$

                    { Apache Tomcat }

            Jar

{ JAR } { WAR }   { SpringBoot }

   $\downarrow$ $\downarrow$ $\downarrow$

.class file { .class file + other files   { embedded }

            web file . jsp

{ Java   .html

  files }   css