## 1.ConfigurableApplicationContext

2.jvm contains spring container->creates #1.spring beans ,spring bean use as server lavel but at core level use two , which one is two types #1.singleton spring bean #2.spring prototype

[3.@component](mailto:3.@component) creates object which is very specified by spring container.

4. @Scope(value = "prototype")->spring container create object while many times called object.

In case if will not create object constructor will not call.

5.if add any dependency then have to write Autowired. Autowird searched by type and @Qulifier searched by name.

@Autowired

**private** Laptop laptop;

[6.@Qualifier](mailto:6.@Qualifier) ->search by name.

@Autowired

@Qualifier("laptop")

**private** Laptop laptop;

@Component(value="laptop")

**public** **class** Laptop {

**private** **int** lid;

**private** String brand;

}

-------------------------Spring Core Done Here--------------------------

6.adding to convert JSP to servlet in spring Boot application.

<!-- https://mvnrepository.com/artifact/org.apache.tomcat/tomcat-jasper -->

<dependency>

<groupId>org.apache.tomcat</groupId>

<artifactId>tomcat-jasper</artifactId>

<version>8.5.34</version>

</dependency>

HomeController.java

@Controller

**public** **class** HomeController {

@RequestMapping("home")

**public** String home() {

System.***out***.println("Hi ");

**return** "home.jsp";

}

}

# #6. Web App using Spring boot | Application Properties File

1.remove home.jsp form honecontroller

2.updates application.properties

1.in case if making sub-folder like here doing in side webapp theen java will satrt scan where and which folder mentioned folder name .

e.g.->

spring.mvc.view.prefix=/pages/

spring.mvc.view.suffix=.jsp

# #7. Web App using Spring Boot | Accepting Client Data

1.

@Controller

**public** **class** HomeController {

@RequestMapping("home")

**public** String home(HttpServletRequest request) {

String name= request.getParameter("name");

HttpSession session= request.getSession();

session.setAttribute("name", name);

and finally reading from home.jsp

${name}.

# #8. Web App using Spring Boot | ModelAndView

1.need to remove HhtpServiceRequest and

With these changes still application works.

@Controller

**public** **class** HomeController {

@RequestMapping("home")

**public** String home(String name, HttpSession session) {

session.setAttribute("name", name);

2.if we do changes **public** String home String myName, HttpSession session) then url <http://localhost:8080/home?name=Susant> will not work so for make it work need to write @RequestParam(“name”) then URL will runs succesfully.

e.g.->

@Controller

**public** **class** HomeController {

@RequestMapping("home")

**public** String home(@RequestParam("name")String myName, HttpSession session) {

session.setAttribute("name", myName);

System.***out***.println("Hi ");

**return** "home";

}

}

3.replacing all HttpSession with ModelAndView for adding Obeject to returning view Object.

@Controller

**public** **class** HomeController {

@RequestMapping("home")

**public** ModelAndView home(@RequestParam("name") String myName) {

// Just Creating ModelAndView to make code easy removed all HttpSession and all these thing :)

ModelAndView mv = **new** ModelAndView();

// Setting MvelAndView Object

mv.addObject("name", myName);

// Setting MvelAndView page

mv.setViewName("home");

**return** mv;

}

}

# #9. Web App using Spring Boot | Model Object

1.now want to pass aid. Aname, abrand in Url instead of name. so wht we will do make one POJO class name with laptop .

Then we will pass Alien as a parameter. URL-> <http://localhost:8080/home?aid=12&aname=mamta&tech=Java>

@Controller

**public** **class** HomeController {

@RequestMapping("home")

**public** ModelAndView home(Alien alien) {

// Just Creating ModelAndView to make code easy removed all HttpSession and all these thing :)

ModelAndView mv = **new** ModelAndView();

// Setting MvelAndView Object

mv.addObject("alienObject", alien);

// Setting MvelAndView page

mv.setViewName("home");

**return** mv;

}

}

**# Home.jsp**

<body>Welcome ${alienObject.aid} , ${alienObject.aname}

,${alienObject.tech}

</body>