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Web App with Spring boot

Spring WEB MVC Example:

Steps to create spring web-mvc application:

-> create dynamic web-project

-> add all the spring required jar files into lib folder

-> write the following code into web.xml:

web.xml:
```
----------
<web-app>
        <servlet>
   <servlet-name>spring</servlet-name>
   <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
   <load-on-startup>1</load-on-startup>
</servlet>
<servlet-mapping>
   <servlet-name>spring</servlet-name>
   <url-pattern>/</url-pattern>
</servlet-mapping>
  <welcome-file-list>
    <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>
</web-app>
```

-> create index.jsp as shown below:
index.jsp:
```
-----------
<html>
        <body>
                <center><a href="hai">Click Me</a></center>
        </body>
</html>
```

-> create Controller class under src folder along with package

HelloController.java:

```java
package com.klef;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.servlet.ModelAndView;

@Controller
public class HelloController {
        @RequestMapping("/hai")
        public ModelAndView sayHello() {
                String message = "Welcome to Spring MVC";
                return new ModelAndView("welcomePage","welcomeMessage",message);
        }
}
```

-> Configure the all controller classes and ViewResolver class in spring configuration file as shown below:

spring-servlet.xml: (create this under WEB-INF folder)

```xml
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xmlns:context="http://www.springframework.org/schema/context"
   xmlns:mvc="http://www.springframework.org/schema/mvc"
   xsi:schemaLocation="
      http://www.springframework.org/schema/beans
      http://www.springframework.org/schema/beans/spring-beans.xsd
      http://www.springframework.org/schema/context
      http://www.springframework.org/schema/context/spring-context.xsd
      http://www.springframework.org/schema/mvc
      http://www.springframework.org/schema/mvc/spring-mvc.xsd">

<context:component-scan base-package="com.klef" />
<!--Provide support for conversion, formatting and validation -->
   <mvc:annotation-driven/>
<bean id="viewResolver"
class="org.springframework.web.servlet.view.InternalResourceViewResolver">
      <property name="prefix" value="/WEB-INF/jsp/"></property>
      <property name="suffix" value=".jsp"></property>
   </bean>
</beans>
```

-> create View page(jsp) under WEB-INF/jsp folder
welcomePage.jsp:

```
<html>
<body>
        ${ welcomeMessage }
</body> </html>
```