step1: create maven-archetype-webapp Maven project



Step2: add maven dependencies

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 <http://maven.apache.org/maven-v4_0_0.xsd>">

<modelVersion>4.0.0</modelVersion>

<groupId>net.javaguides.springmvc</groupId>

<artifactId>springmvc5-helloworld-exmaple</artifactId>

<packaging>war</packaging>

<version>0.0.1-SNAPSHOT</version>

<name>springmvc5-helloworld-exmaple Maven Webapp</name>

<url>http://maven.apache.org</url>

<properties>

<failOnMissingWebXml>false</failOnMissingWebXml>

</properties>

<dependencies>

<!-- <https://mvnrepository.com/artifact/org.springframework/spring-webmvc> -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.1.0.RELEASE</version>

</dependency>

<!-- JSTL Dependency -->

<dependency>

<groupId>javax.servlet.jsp.jstl</groupId>

<artifactId>javax.servlet.jsp.jstl-api</artifactId>

<version>1.2.1</version>

</dependency>

<dependency>

<groupId>taglibs</groupId>

<artifactId>standard</artifactId>

<version>1.1.2</version>

</dependency>

<!-- Servlet Dependency -->

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>javax.servlet-api</artifactId>

<version>3.1.0</version>

<scope>provided</scope>

</dependency>

<!-- JSP Dependency -->

<dependency>

<groupId>javax.servlet.jsp</groupId>

<artifactId>javax.servlet.jsp-api</artifactId>

<version>2.3.1</version>

<scope>provided</scope>

</dependency>

</dependencies>

<build>

<sourceDirectory>src/main/java</sourceDirectory>

<plugins>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.5.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

</project>

**package** net.javaguides.springmvc.helloworld.config;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.ComponentScan;

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.web.servlet.config.annotation.EnableWebMvc;

**import** org.springframework.web.servlet.view.InternalResourceViewResolver;

**import** org.springframework.web.servlet.view.JstlView;

@Configuration

@EnableWebMvc

@ComponentScan(basePackages = { "net.javaguides.springmvc.helloworld" }) //controller,model

**public** **class** AppConfig {

@Bean

**public** InternalResourceViewResolver resolver() {

InternalResourceViewResolver resolver = **new** InternalResourceViewResolver();

resolver.setViewClass(JstlView.**class**);

resolver.setPrefix("/WEB-INF/views/");

resolver.setSuffix(".jsp");

**return** resolver;

}

}

**package** net.javaguides.springmvc.helloworld.config;

**import** org.springframework.web.servlet.support.AbstractAnnotationConfigDispatcherServletInitializer;

**public** **class** SpringMvcDispatcherServletInitializer **extends** AbstractAnnotationConfigDispatcherServletInitializer {

@Override

**protected** Class<?>[] getRootConfigClasses() {

// **TODO** Auto-generated method stub

**return** **null**;

}

@Override

**protected** Class<?>[] getServletConfigClasses() {

**return** **new** Class[] { AppConfig.**class** };

}

@Override

**protected** String[] getServletMappings() {

**return** **new** String[] { "/" };

}

}

Controller:

package net.javaguides.springmvc.helloworld.controller;

import java.time.LocalDateTime;

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

import org.springframework.web.bind.annotation.RequestMapping;

import net.javaguides.springmvc.helloworld.model.HelloWorld;

@Controller

public class HelloWorldController {

@RequestMapping("/helloworld")

public String handler(Model model) {

HelloWorld helloWorld = new HelloWorld();

helloWorld.setMessage("Welcome to UST SpringMVC session");

helloWorld.setDateTime(LocalDateTime.now().plusHours(1).toString());

model.addAttribute("helloWorld", helloWorld);

return "helloworld";

}

@RequestMapping("/home")

public String message() {

return "home";

}

}

Model:

**package** net.javaguides.springmvc.helloworld.model;

**public** **class** HelloWorld {

**private** String message;

**private** String dateTime;

**public** String getMessage() {

**return** message;

}

**public** **void** setMessage(String message) {

**this**.message = message;

}

**public** String getDateTime() {

**return** dateTime;

}

**public** **void** setDateTime(String dateTime) {

**this**.dateTime = dateTime;

}

}

Views:

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Spring 5 MVC - Hello World Example | javaguides.net</title>

</head>

<body>

<h2>${helloWorld.message}</h2>

<h4>Server date time is : ${helloWorld.dateTime}</h4>

</body>

</html>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<!DOCTYPE html>

<html>

<body>

<h1> Healthcare Application : Homepage </h1>

</body>

</html>

PathVariable,REquestParam:

**package** net.javaguides.springmvc.helloworld.controller;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.web.bind.annotation.RequestMapping;

**import** org.springframework.web.bind.annotation.RequestParam;

**import** org.springframework.web.bind.annotation.PathVariable;

@Controller

**public** **class** ProductController {

@RequestMapping("/product")

**public** String message(@RequestParam("id") Integer id) {

System.***out***.println("request param: "+id);

**return** "home";

}

@RequestMapping("/product1/{id1}")

**public** String message1(@PathVariable("id1") Integer id) {

System.***out***.println("path param :"+id);

**return** "home";

}

}

**package** net.javaguides.springmvc.helloworld.controller;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.web.bind.annotation.DeleteMapping;

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.PathVariable;

**import** org.springframework.web.bind.annotation.PostMapping;

**import** org.springframework.web.bind.annotation.PutMapping;

**import** org.springframework.web.bind.annotation.RequestMapping;

**import** org.springframework.web.bind.annotation.RequestParam;

@Controller

**public** **class** ProductController {

@RequestMapping("/product")

**public** String message(@RequestParam("id") Integer id) {

System.***out***.println("request param: "+id);

**return** "home";

}

@RequestMapping("/product1/{id1}")

**public** String message1(@PathVariable("id1") Integer id) {

System.***out***.println("path param :"+id);

**return** "home";

}

@GetMapping("/read")

**public** String get() {

System.***out***.println(" get- for read()");

**return** "home";

}

@PostMapping("/add")

**public** String add() {

System.***out***.println(" post- for add()");

**return** "home";

}

@PutMapping("/update")

**public** String update() {

System.***out***.println(" put- for update()");

**return** "home";

}

@DeleteMapping("/delete")

**public** String delete() {

System.***out***.println(" delete- for delete()");

**return** "home";

}

}