Spring MVC Working with HTML Forms

AppConfig.java

**package** com.app.config;

**import** org.springframework.beans.factory.annotation.Autowired;

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

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

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

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

**import** org.springframework.core.env.Environment;

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

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

@Configuration

@ComponentScan("com.app")

@PropertySource("classpath:app.properties")

@EnableWebMvc

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

@Autowired

**private** Environment env;

@Bean

**public** InternalResourceViewResolver ivr() {

InternalResourceViewResolver v=**new** InternalResourceViewResolver();

v.setPrefix(env.getProperty("mvc.prefix"));

v.setSuffix(env.getProperty("mvc.suffix"));

**return** v;

}

}

AppInit.java

**package** com.app.init;

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

**import** com.app.config.AppConfig;

**public** **class** AppInit **extends** AbstractAnnotationConfigDispatcherServletInitializer {

@Override

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

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

}

@Override

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

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

**return** **null**;

}

@Override

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

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

}

}

app.properties

mvc.prefix=/WEB-INF/views/

mvc.suffix=.jsp

Model class

**package** com.app.model;

**import** java.util.List;

**public** **class** Employee {

**private** **int** empId;

**private** String empName;

**private** **double** empSal;

**private** String empGen;

**private** String addr;

**private** String empPrj;

**private** List<String> langs;

**private** List<String> locs;

**public** Employee() {

**super**();

}

**public** **int** getEmpId() {

**return** empId;

}

**public** **void** setEmpId(**int** empId) {

**this**.empId = empId;

}

**public** String getEmpName() {

**return** empName;

}

**public** **void** setEmpName(String empName) {

**this**.empName = empName;

}

**public** **double** getEmpSal() {

**return** empSal;

}

**public** **void** setEmpSal(**double** empSal) {

**this**.empSal = empSal;

}

**public** String getEmpGen() {

**return** empGen;

}

**public** **void** setEmpGen(String empGen) {

**this**.empGen = empGen;

}

**public** String getAddr() {

**return** addr;

}

**public** **void** setAddr(String addr) {

**this**.addr = addr;

}

**public** String getEmpPrj() {

**return** empPrj;

}

**public** **void** setEmpPrj(String empPrj) {

**this**.empPrj = empPrj;

}

**public** List<String> getLangs() {

**return** langs;

}

**public** **void** setLangs(List<String> langs) {

**this**.langs = langs;

}

**public** List<String> getLocs() {

**return** locs;

}

**public** **void** setLocs(List<String> locs) {

**this**.locs = locs;

}

@Override

**public** String toString() {

**return** "Employee [empId=" + empId + ", empName=" + empName + ", empSal=" + empSal + ", empGen=" + empGen

+ ", addr=" + addr + ", empPrj=" + empPrj + ", langs=" + langs + ", locs=" + locs + "]";

}

}

EmployeeController

**package** com.app.controller;

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

**import** org.springframework.ui.ModelMap;

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

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

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

**import** com.app.model.Employee;

@Controller

**public** **class** EmployeeController {

//display form

@RequestMapping("/reg")

**public** String showPage() {

**return** "Register";

}

@RequestMapping(value="/save",method=RequestMethod.***POST***)

**public** String readData(

@ModelAttribute Employee employee,

ModelMap map) {

System.***out***.println(employee);

map.addAttribute("emp",employee);

**return** "Data";

}

}

Register.jsp

<html>

<body>

<h3>Welcome to Register Page</h3>

<form action=*"save"* method=*"post"*>

<pre>

Locations:

<select name=*"locs"* multiple=*"multiple"*>

<option value=*"HYD"*>HYD</option>

<option value=*"BAN"*>BAN</option>

<option value=*"CHN"*>CHN</option>

<option value=*"DHL"*>DHL</option>

</select>

ID : <input type=*"text"* name=*"empId"*/>

NAME : <input type=*"text"* name=*"empName"*/>

SAL : <input type=*"text"* name=*"empSal"*/>

Gender:

<input type=*"radio"* name=*"empGen"* value=*"Male"*>Male

<input type=*"radio"* name=*"empGen"* value=*"Female"*>Female

Address:<textarea name=*"addr"*></textarea>

Project:

<select name=*"empPrj"*>

<option value=*""*>-SELECT-</option>

<option value=*"P1"*>P1</option>

<option value=*"P2"*>P2</option>

<option value=*"P3"*>P3</option>

</select>

Languages:

<input type=*"checkbox"* name=*"langs"* value=*"English"*/>English

<input type=*"checkbox"* name=*"langs"* value=*"Hindi"*/>Hindi

<input type=*"checkbox"* name=*"langs"* value=*"Telugu"*/>Telugu

<input type=*"checkbox"* name=*"langs"* value=*"kannada"*/>Kannada

<input type=*"submit"* value=*"Register"*/>

</pre>

</form>

</body>

</html>

Data.jsp

<html>

<body>

Data is : ${emp}

</body>

</html>