Flawless Academy - V1

#### FlawlessAcademy/pom.xml

1 <?xml version="1.0" encoding="UTF-8"?>

2 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

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

4 <modelVersion>4.0.0</modelVersion>

5 <parent>

6 <groupId>org.springframework.boot</groupId>

7 <artifactId>spring-boot-starter-parent</artifactId>

8 <version>2.1.8.RELEASE</version>

9 <relativePath/> <!-- lookup parent from repository -->

10 </parent>

11 <groupId>com.example</groupId>

12 <artifactId>FlawlessAcademy</artifactId>

13 <version>0.0.1-SNAPSHOT</version>

14 <name>FlawlessAcademy</name>

15 <description>Demo project for Spring Boot</description>

16 <properties>

17 <java.version>1.8</java.version>

18 </properties>

19

20 <dependencies>

21 <dependency>

22 <groupId>org.springframework.boot</groupId>

23 <artifactId>spring-boot-starter-web</artifactId>

24 </dependency>

25

26 <dependency>

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

28 <artifactId>tomcat-embed-jasper</artifactId>

29 <scope>provided</scope>

30 </dependency>

31 <dependency>

32 <groupId>javax.servlet</groupId>

33 <artifactId>servlet-api</artifactId>

34 <version>2.5</version>

35 <scope>provided</scope>

36 </dependency>

37 <dependency>

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

39 <artifactId>jsp-api</artifactId>

40 <version>2.1</version>

41 <scope>provided</scope>

42 </dependency>

43

44 <dependency>

45 <groupId>taglibs</groupId>

46 <artifactId>standard</artifactId>

47 <version>1.1.2</version>

48 </dependency>

49 <dependency>

50 <groupId>javax.servlet</groupId>

51 <artifactId>jstl</artifactId>

52 <version>1.2</version>

53 </dependency>

54 <!-- Spring test dependencies -->

55 <dependency>

56 <groupId>org.mockito</groupId>

57 <artifactId>mockito-all</artifactId>

58 <version>1.10.19</version>

59 <scope>test</scope>

60 </dependency>

61

62 <!-- <dependency>

63 <groupId>org.seleniumhq.selenium</groupId>

64 <artifactId>selenium-java</artifactId>

65 <version>2.53.0</version>

66 </dependency>-->

67

68 <dependency>

69 <groupId>org.seleniumhq.selenium</groupId>

70 <artifactId>htmlunit-driver</artifactId>

71 <version>2.26</version>

72 </dependency>

73

74 <!-- https://mvnrepository.com/artifact/org.w3c.css/sac -->

75 <dependency>

76 <groupId>org.w3c.css</groupId>

77 <artifactId>sac</artifactId>

78 <version>1.3</version>

79 </dependency>

80

81

82 <dependency>

83 <groupId>org.springframework</groupId>

84 <artifactId>spring-test</artifactId>

85 <version>5.1.7.RELEASE</version> <!-- 4.0.5 -->

86 <scope>test</scope>

87 </dependency>

88 <!-- End of spring test dependencies -->

89

90

91

92 <dependency>

93 <groupId>org.springframework.boot</groupId>

94 <artifactId>spring-boot-starter-test</artifactId>

95 <scope>test</scope>

96 <exclusions>

97 <exclusion>

98 <groupId>org.junit.vintage</groupId>

99 <artifactId>junit-vintage-engine</artifactId>

100 </exclusion>

101 </exclusions>

102 </dependency>

103 <!-- https://mvnrepository.com/artifact/org.sonarsource.scanner.maven/sonar-maven-plugin -->

104 <dependency>

105 <groupId>org.sonarsource.scanner.maven</groupId>

106 <artifactId>sonar-maven-plugin</artifactId>

107 <version>3.8.0.2131</version>

108 </dependency>

109

110 </dependencies>

111

112 <build>

113 <plugins>

114 <plugin>

115 <groupId>org.springframework.boot</groupId>

116 <artifactId>spring-boot-maven-plugin</artifactId>

117 </plugin>

118 </plugins>

119 </build>

120

121 </project>

122

#### FlawlessAcademy/src/main/java/com/controller/AcademyController.java

1 *package* com.controller;

2

3 *import* java.util.HashMap;

4 *import* java.util.Map;

5 *import* javax.validation.Valid;

6

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

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

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

10 *import* org.springframework.validation.BindingResult;

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

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

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

14

15 *import* com.model.Academy;

16 *import* com.service.AcademyService;

17

18 @Controller

19 *public* *class* AcademyController {

20

21 @Autowired

22 *private* AcademyService service;

23

24 @RequestMapping(value = "/enrollmentPage", method = RequestMethod.GET)

25 *public* String showPage(@ModelAttribute("academyBean") Academy academyBean) {

26 System.out.println("in controller");

27 *return* "enrollmentPage";

28 }

29 @ModelAttribute("programList")

30 *public* Map<String, String> buildState(){

31

32 Map<String, String> progMap = *new* HashMap<String, String>();

33 progMap.put("ClassicalDance", "ClassicalDance");

34 progMap.put("KarnaticVocals", "KarnaticVocals");

35 progMap.put("WesternDance","WesternDance");

36 progMap.put("Drawing", "Drawing");

37 progMap.put("Instruments","Instruments");

38

39 *return* progMap;

40

41 }

42

43 @RequestMapping(value = "/progEstimation", method = RequestMethod.POST)

44 *public* String calculateProgramCost(@ModelAttribute("academyBean") @Valid Academy academyBean, BindingResult result,

45 ModelMap model) {

46 *if* (result.hasErrors()) {

47 System.out.println("Error : " + result.toString());

48 *return* "enrollmentPage";

49 }

50 *double* cost=service.calculateProgramCost(academyBean);

51 model.addAttribute("cost", cost);

52 *return* "estimationPage";

53 }

54

55

56 }

57

#### FlawlessAcademy/src/main/java/com/example/demo/FlawlessAcademyApplication.java

1 *package* com.example.demo;

2

3 *import* org.springframework.boot.SpringApplication;

4 *import* org.springframework.boot.autoconfigure.SpringBootApplication;

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

6

7 @SpringBootApplication

8 @ComponentScan({"com.\*"})

9 *public* *class* FlawlessAcademyApplication {

10

11 *public* *static* *void* main(String[] args) {

12 SpringApplication.run(FlawlessAcademyApplication.*class*, args);

13 }

14

15 }

16

#### FlawlessAcademy/src/main/java/com/model/Academy.java

1 *package* com.model;

2

3 *import* javax.validation.constraints.Min;

4 *import* javax.validation.constraints.Max;

5

6 *import* org.springframework.beans.factory.annotation.Value;

7 *import* org.springframework.stereotype.Component;

8

9 @Component

10 *public* *class* Academy {

11

12 *private* String program;

13

14 *private* *double* costPerSession;

15 *private* *int* weeksPerMonth;

16 @Min(value = 2, message = "Minimum 2 Sessions/Week")

17 @Max(value = 5, message = "Maximum 5 Sessions/Week")

18 *private* *int* sessionsPerWeek;

19

20 *public* *int* getSessionsPerWeek() {

21 *return* sessionsPerWeek;

22 }

23

24 *public* *void* setSessionsPerWeek(*int* sessionsPerWeek) {

25 *this*.sessionsPerWeek = sessionsPerWeek;

26 }

27

28 *public* Academy()

29 {

30

31 }

32

33 *public* *int* getWeeksPerMonth() {

34 *return* weeksPerMonth;

35 }

36 *public* *void* setWeeksPerMonth(*int* weeksPerMonth) {

37 *this*.weeksPerMonth = weeksPerMonth;

38 }

39 *public* *double* getCostPerSession() {

40 *return* costPerSession;

41 }

42 *public* *void* setCostPerSession(*double* costPerSession) {

43 *this*.costPerSession = costPerSession;

44 }

45

46 *public* String getProgram() {

47 *return* program;

48 }

49 *public* *void* setProgram(String program) {

50 *this*.program = program;

51 }

52

53

54

55

56 }

57

58

#### FlawlessAcademy/src/main/java/com/service/AcademyService.java

1 *package* com.service;

2

3 *import* org.springframework.stereotype.Service;

4

5 *import* com.model.Academy;

6

7 @Service

8 *public* *class* AcademyService {

9

10 *public* *double* calculateProgramCost (Academy academyBean) {

11

12 *double* cost=0.0;

13 academyBean.setWeeksPerMonth(4);

14 System.out.println(academyBean.getSessionsPerWeek()+" "+academyBean.getProgram()+" "+academyBean.getWeeksPerMonth());

15 *if*(academyBean.getProgram().equalsIgnoreCase("ClassicalDance") && academyBean.getSessionsPerWeek()>=1)

16 {

17 academyBean.setCostPerSession(150.0);

18 cost=academyBean.getCostPerSession()\*academyBean.getSessionsPerWeek()\*academyBean.getWeeksPerMonth();

19 }

20 *else* *if*(academyBean.getProgram().equalsIgnoreCase("KarnaticVocals") && academyBean.getSessionsPerWeek()>=1 )

21 {

22 academyBean.setCostPerSession(100.0);

23 cost=academyBean.getCostPerSession()\*academyBean.getSessionsPerWeek()\*academyBean.getWeeksPerMonth();

24 }

25 *else* *if*(academyBean.getProgram().equalsIgnoreCase("WesternDance") && academyBean.getSessionsPerWeek()>=1)

26 {

27 academyBean.setCostPerSession(125.0);

28 cost=academyBean.getCostPerSession()\*academyBean.getSessionsPerWeek()\*academyBean.getWeeksPerMonth();

29 }

30 *if*(academyBean.getProgram().equalsIgnoreCase("Drawing") && academyBean.getSessionsPerWeek()>=1)

31 {

32 academyBean.setCostPerSession(130.0);

33 cost=academyBean.getCostPerSession()\*academyBean.getSessionsPerWeek()\*academyBean.getWeeksPerMonth();

34 }

35 *else* *if*(academyBean.getProgram().equalsIgnoreCase("Instruments") && academyBean.getSessionsPerWeek()>=1)

36 {

37 academyBean.setCostPerSession(200.0);

38 cost=academyBean.getCostPerSession()\*academyBean.getSessionsPerWeek()\*academyBean.getWeeksPerMonth();

39 }

40 *return* cost;

41

42 }

43

44 }

45

#### FlawlessAcademy/src/main/resources/application.properties

1 server.port=9088

2 spring.mvc.view.prefix = /WEB-INF/views/

3 spring.mvc.view.suffix = .jsp

4 spring.mvc.static-path-pattern=/resources/\*\*

5

6

#### FlawlessAcademy/src/main/webapp/WEB-INF/views/enrollmentPage.jsp

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

2 pageEncoding="ISO-8859-1" isELIgnored="false"%>

3 <%@ taglib prefix="form" uri="http://www.springframework.org/tags/form" %>

4

5 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

6 <html>

7 <body style="background-color:lavender">

8 <h1><center> Flawless Academy</center></h1>

9 <form:form method="post" action="progEstimation" modelAttribute="academyBean">

10 <table style="margin: 0px auto; margin-left: auto; margin-right:auto">

11

12

13 <tr>

14 <td>Select preferred program</td>

15 <td>

16 <form:select path="program" id="program">

17 <form:options items="${programList}"/>

18 </form:select>

19

20 </td>

21 </tr>

22

23 <tr>

24 <td>Number of sessions per week</td>

25 <td><form:input path="sessionsPerWeek" id="sessionsPerWeek"/></td>

26 <td><form:errors path="sessionsPerWeek" id="errormsg"/></td>

27 <tr>

28 <td><input type="submit" value="Program Cost" name="submit" /></td>

29

30 </tr>

31

32 </table>

33 </form:form>

34

35

36 </body>

37 </html>

38

#### FlawlessAcademy/src/main/webapp/WEB-INF/views/estimationPage.jsp

1 <%@page isELIgnored="false" %>

2 <html>

3 <body bgcolor="lavender">

4 <center><h2>Welcome to Flawless Academy. Your preferred program cost is Rs. ${cost}</h2></center>

5 </body>

6 </html>