WEB.XML

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

<web-app version=*"2.5"* xmlns=*"http://java.sun.com/xml/ns/javaee"*

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

xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"*>

<servlet>

<servlet-name>fitTrackerServlet</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

<init-param>

<param-name>contextConfigLocation</param-name>

<param-value>/WEB-INF/config/servlet-config.xml</param-value>

</init-param>

</servlet>

<servlet-mapping>

<servlet-name>fitTrackerServlet</servlet-name>

<url-pattern>\*.html</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>fitTrackerServlet</servlet-name>

<url-pattern>/pdfs/\*\*</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>fitTrackerServlet</servlet-name>

<url-pattern>\*.json</url-pattern>

</servlet-mapping>

<display-name>Archetype Created Web Application</display-name>

</web-app>

Servlet-config.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"* xmlns:p=*"http://www.springframework.org/schema/p"*

xsi:schemaLocation=*"http://www.springframework.org/schema/mvc http://www.springframework.org/schema/mvc/spring-mvc-3.2.xsd*

*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-3.2.xsd"*>

<mvc:annotation-driven />

<mvc:resources location=*"pdfs"* mapping=*"/pdf/\*\*"* />

<context:component-scan base-package=*"com.pluralsight.controller"* />

<bean class=*"org.springframework.web.servlet.view.ContentNegotiatingViewResolver"*>

<property name=*"order"* value=*"1"* />

<property name=*"contentNegotiationManager"*>

<bean class=*"org.springframework.web.accept.ContentNegotiationManager"*>

<constructor-arg>

<bean class=*"org.springframework.web.accept.PathExtensionContentNegotiationStrategy"*>

<constructor-arg>

<map>

<entry key=*"json"* value=*"application/json"* />

<entry key=*"xml"* value=*"application/xml"* />

</map>

</constructor-arg>

</bean>

</constructor-arg>

</bean>

</property>

<property name=*"defaultViews"*>

<list>

<bean class=*"org.springframework.web.servlet.view.json.MappingJackson2JsonView"* />

<bean class=*"org.springframework.web.servlet.view.xml.MarshallingView"*>

<constructor-arg>

<bean class=*"org.springframework.oxm.xstream.XStreamMarshaller"*>

<property name=*"autodetectAnnotations"* value=*"true"* />

</bean>

</constructor-arg>

</bean>

</list>

</property>

</bean>

<!-- <bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">

<property name="prefix" value="/WEB-INF/jsp/"/> <property name="suffix" value=".jsp"/>

</bean> -->

<mvc:interceptors>

<bean class=*"org.springframework.web.servlet.i18n.LocaleChangeInterceptor"*

p:paramName=*"Language"* />

</mvc:interceptors>

<bean id=*"LocaleResolver"*

class=*"org.springframework.web.servlet.i18n.SessionLocaleResolver"*

p:defaultLocale=*"en"* />

<bean id=*"messageSource"*

class=*"org.springframework.context.support.ResourceBundleMessageSource"*

p:basename=*"messages"* />

<bean

class=*"org.springframework.web.servlet.view.InternalResourceViewResolver"*

p:prefix=*"/WEB-INF/jsp/"* p:suffix=*".jsp"* p:order=*"2"* />

<bean class=*"org.springframework.web.servlet.view.BeanNameViewResolver"*

p:order=*"0"* />

</beans>

Pom.xml <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>com.pluralsight</groupId>

<artifactId>FitnessTracker</artifactId>

<packaging>war</packaging>

<version>0.0.1-SNAPSHOT</version>

<name>FitnessTracker Maven Webapp</name>

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

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>4.3.9.RELEASE</version>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>servlet-api</artifactId>

<version>2.5</version>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-validator</artifactId>

<version>4.2.0.Final</version>

</dependency>

<dependency>

<groupId>org.codehaus.jackson</groupId>

<artifactId>jackson-mapper-asl</artifactId>

<version>1.4.1</version>

</dependency>

<dependency>

<groupId>com.thoughtworks.xstream</groupId>

<artifactId>xstream</artifactId>

<version>1.3.1</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-oxm</artifactId>

<version>4.3.9.RELEASE</version>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

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

<version>3.2</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

<finalName>FitnessTracker</finalName>

</build>

</project>

Controller class

**package** com.pluralsight.controller;

**import** java.util.ArrayList;

**import** java.util.List;

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

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

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

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

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

**import** com.pluralsight.model.Activity;

**import** com.pluralsight.model.Exercise;

@Controller

**public** **class** MinutesController {

@RequestMapping(value = "/addMinutes")

**public** String addMinutes(@ModelAttribute("exercise") Exercise exercise) {

System.***out***.println("exercise: " + exercise.getMinutes());

// return "forward:addMoreMinutes.html";

// return "redirect:addMoreMinutes.html";

**return** "addMinutes";

}

@RequestMapping(value = "/activities", method = RequestMethod.***GET***)

**public** @ResponseBody List<Activity> findAllActivities() {

List<Activity> activities = **new** ArrayList<Activity>();

Activity run = **new** Activity();

run.setDesc("Run");

activities.add(run);

Activity bike = **new** Activity();

bike.setDesc("Bike");

activities.add(bike);

Activity swim = **new** Activity();

swim.setDesc("Swim");

activities.add(swim);

**return** activities;

}

/\*

\* @RequestMapping(value="/addMoreMinutes") public String

\* addMoreMinutes(@ModelAttribute("exercise") Exercise exercise){

\* System.out.println("exercising: "+exercise.getMinutes()); return

\* "addMinutes"; }

\*/

}

# HTTP Status 500 - Servlet.init() for servlet fitTrackerServlet threw exception

**type** Exception report

**message** Servlet.init() for servlet fitTrackerServlet threw exception

**description** The server encountered an internal error that prevented it from fulfilling this request.

**exception**

javax.servlet.ServletException: Servlet.init() for servlet fitTrackerServlet threw exception

org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:501)

org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:79)

org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:610)

org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:516)

org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1086)

org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:659)

org.apache.coyote.http11.Http11Protocol$Http11ConnectionHandler.process(Http11Protocol.java:147)

org.apache.tomcat.util.net.JIoEndpoint$SocketProcessor.run(JIoEndpoint.java:277)

java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)

java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)

org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)

java.lang.Thread.run(Unknown Source)

**root cause**

org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'org.springframework.web.servlet.view.ContentNegotiatingViewResolver#0' defined in ServletContext resource [/WEB-INF/config/servlet-config.xml]: Cannot create inner bean 'org.springframework.web.servlet.view.json.MappingJackson2JsonView#afa38a4' of type [org.springframework.web.servlet.view.json.MappingJackson2JsonView] while setting bean property 'defaultViews' with key [0]; nested exception is org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'org.springframework.web.servlet.view.json.MappingJackson2JsonView#afa38a4': Failed to introspect bean class [org.springframework.web.servlet.view.json.MappingJackson2JsonView] for lookup method metadata: could not find class that it depends on; nested exception is java.lang.NoClassDefFoundError: com/fasterxml/jackson/core/JsonGenerator

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveInnerBean(BeanDefinitionValueResolver.java:313)

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResolver.java:122)

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveManagedList(BeanDefinitionValueResolver.java:382)

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResolver.java:157)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapableBeanFactory.java:1531)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanFactory.java:1276)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:553)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:483)

org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:306)

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:230)

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:302)

org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:197)

org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:761)

org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext.java:867)

org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:543)

org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:668)

org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:634)

org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:682)

org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:553)

org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:494)

org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:171)

javax.servlet.GenericServlet.init(GenericServlet.java:158)

org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:501)

org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:79)

org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:610)

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org.apache.coyote.http11.Http11Protocol$Http11ConnectionHandler.process(Http11Protocol.java:147)

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org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'org.springframework.web.servlet.view.json.MappingJackson2JsonView#afa38a4': Failed to introspect bean class [org.springframework.web.servlet.view.json.MappingJackson2JsonView] for lookup method metadata: could not find class that it depends on; nested exception is java.lang.NoClassDefFoundError: com/fasterxml/jackson/core/JsonGenerator

org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.determineCandidateConstructors(AutowiredAnnotationBeanPostProcessor.java:269)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.determineConstructorsFromBeanPostProcessors(AbstractAutowireCapableBeanFactory.java:1118)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBeanInstance(AbstractAutowireCapableBeanFactory.java:1091)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:513)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:483)

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveInnerBean(BeanDefinitionValueResolver.java:299)

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValue