SSH 俱成研发舒骤 ▽1.0

-----Chris 2008-11-5

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前 言

使用当前流行框架 Struts 1.2&Spring 2.0&Hibernate 3.1 集成开发 web 项目。从中体味 struts 的 MVC 模式、Spring 的依赖注入和 hibernate 的持久性 的无缝集成。实现查询 oracle 数据库中雇员表的详细信息。同时解析 hibernate 延迟查询导致数据不能显示的原因。

\$ 软硬件环境

Tomcat 6.0 & My eclipse 6.0.1;



Add Features...

Preferences...

Utilities

Support

Installation Summary...

二,第3步选	择 web Project
New Web Proj	ject
reate a Web Proje Greate a web proj	ct ect in the workspace or an external location
Web Project Deta Project Name	ils SSHFirstDemol 5 输入项目名称
Location	Vse default location
Directory	E:\workspace\SSHFirstDemo Browse
Source folder	src
Web root folder	WebRoot
Context root VRL	/SSHFirstDemo
0	<back next=""> Finish 6 Cancel</back>
三,输入项目	名,点 Finish 完成。
骤二:添加:	struts 支持
terprise V or	kbench
MyEclipse <u>R</u> un	<u>M</u> indow <u>H</u> elp
Project Capab	ilities 🔥 Add JSF Facelets Capabilities ķ
Examples On-D Subscription	emand Add Hibernate Capabilities Add JPA Capabilities Add JSE Capabilities

图四, project Capabilities**à** Add Struts Capabilities…

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Add Spring Capabilities...

Add Struts Capabilities...

Add JSTL Libraries...

Add Tapestry Capabilities... Add Web Service Capabilities...

Add Web Project Capabilities... Remove Web Project Capabilities

8

🤯 Add Struts Capa	bilities		_ 🗆 🔀
Struts Support for MyE Enable project for St:	clipse Web Project ruts development		
Web project: Web-root folder: Servlet specification:	SSHFirstDemo /WebRoot 2.4		
Struts config path: Struts specification: ActionServlet name: URL pattern	<pre>\WEB-INF/struts-config.xml OStruts 1.1 OStruts 1.2 OStruts 1.3 action O*. do O/do/* ひ为公司名等</pre>		Browse
Base package for new classes: Default application resources:	com. yourcompany. struts. ApplicationResources		Browse
	▼Install Struts TLDs	<u>View libraries.</u>	-
0		<u>Finis</u>	Cancel

图五

步骤三:添加 Spring 支持



图六

SSH 集成开发宝典步骤

Select the libra Show: VM	ries to add to the buildpath vEclipse Libraries 🗍 Vser Libraries	
3 ♥ Spring 2.0 A ♥ Spring 2.0 C □ Spring 2.0 P □ Spring 2.0 P □ Spring 2.0 P □ Spring 2.0 P □ Spring 2.0 P	OF Libraries - 《MyEclipse-Library》 ore Libraries - 《MyEclipse-Library》 ersistence Core Libraries - 《MyEclipse-Li ersistence JDBC Libraries - 《MyEclipse-Li ersistence JDO Libraries - 《MyEclipse-Lib ersistence IBATIS Libraries - 《MyEclipse-	brary> brary> rary> Library>
Opring 2.0 M Spring 2.0 M AP Liphink Free	Yes Libraries - (MyEclipse-Library)	
Add checked L Copy shocked	Libraries to project build-path	almour appied)
Add checked L Copy checked Library Fol-	Libraries to project build-path Library contents to project folder (TLDs der:	always copied) Browse
Add checked I Copy checked Library Fol-	Libraries to project build-path Library contents to project folder (TLDs der: tallation	always copied) Browse
 Add checked I Copy checked Library Fol- Tag Library Inst Tag Library Fol- 	Libraries to project build-path Library contents to project folder (TLDs der: tallation der: /WebRoot/WEB-INF	always copied) Browse Browse

图七, 第14步勾上 Spring 2.0 Web Libraries 来支持 web 项目, 如果使用 AOP 技术则勾上 spring 2.0 AOP Libraries.

🛿 🗚 dd Spr:	ing Capabilities		
dd Spring C: Add Spring 1	apabilities Sean configuration fil	Le	
✓ Specify n	ew or existing Spring	bean configuration file?	
Bean config	uration type: 💽 New	OExisting	
Folder	: src		Browse
File:	applicationContext.	xml	
?		< <u>₿</u> ack <u>M</u> ext > <u>F</u> inish	16 Cancel
② 图八,点·	击 Finish 按钮,	▲ Mext > Finish Einish Spring 支持的添加。	16 Cancel
⑦]八,点· <mark>\行步骤</mark>	击 Finish 按钮, 四之前,请先按	《Back Next》 Finish 完成 Spring 支持的添加。 资照附录来设置好数据库驱动。	6 Cancel
②]八,点 [:] 1 <mark>行步骤</mark> ;骤四:]	击 Finish 按钮, 四之前,请先按 添加 Hibernate	《Back Next》 Finish 完成 Spring 支持的添加。 资照附录来设置好数据库驱动。 会支持	16 Cancel
⑦ 日八,点: <mark>1行步骤</mark> 示骤四: Enterpris MyEclipse	击 Finish 按钮, 四之前,请先按 添加 Hibernate :e Vorkbench Run <u>Window Help</u>	《Back Next》 Finish 完成 Spring 支持的添加。 资照附录来设置好数据库驱动。 会支持	6 Cancel
⑦ 四八,点· <mark>九行步骤</mark> 远骤四: Enterpris MyEclipse Projec	击 Finish 按钮, 四之前,请先按 添加 Hibernate E Vorkbench <u>Run <u>W</u>indow <u>H</u>elp :t Capabilities</u>	《 Back Mext 》 Finish 完成 Spring 支持的添加。 资照附录来设置好数据库驱动。 支持 Add JSF Facelets Capabilities	Cancel
⑦ 【八,点 【 <mark>九行步骤</mark> 告骤四: Enterpris Enterpris Frojec 译 Examp	击 Finish 按钮, 四之前,请先按 添加 Hibernate E Vorkbench Run Mindow Melp tt Capabilities .es On-Demand	《Back Next》 Finish 完成 Spring 支持的添加。 安規附录来设置好数据库驱动。 安持 Add JSF Facelets Capabilities Add Hibernate Capabilities	Cancel
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🕼 Add Hibernate Capabilities	
libernate Support for MyEclipse Enable project for Hibernate development	
Hibernate Specification: 🔿 Hibernate 2 🛛 Hiberna	te 3 💿 Hibernate 3.1
Select the libraries to add to the buildpath Show: VMyEclipse Libraries User Libraries	
View and edit libraries Wifibernate 3.1 Core Libraries - MyEclipse-Librar Hibernate 3.1 Advanced Support Libraries - MyEclip Spring 2.0 Persistence Core Libraries - MyEclip Use Libraries - MyEclip	<u>y2</u>] lipse-Library> sse-Library>
JAR Library Installation	
● Add checked Libraries to project build-path	
OCopy checked Library Jars to project folder and a	add to build-path
Library folder: Kno jars/zips in selected libra	ries> Browse
(?) < Back Next >	Finish Cancel

图十,第19步选择 spring 持久核心库

The SSHFirstDemo project is configured with Spring capabilities.
elect the type of configuration file MyEclipse Hibernate Tools will use for this project:
○ Hibernate configuration file (hibernate.cfg.xml)
Spring configuration file (applicationContext.xml)
onfiguration Steps: 2 1. Create a new Spring configuration file or specify an existing config file 2. Define a new Hibernate SessionFactory in an existing Spring config file 3. Optional: Define database connection details
⑦ < Back Next > Finish Cancel

图十一,选中 Spring configuration file,由 Spring 的上下文配置文件来管理 Hibernate。

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🤯 Add Hibernate Capabilities
Hibernate Configuration Define Spring-Hibernate configuration
Spring configuration file to be used by MyEclipse Hibernate Tools:
○ New Spring configuration file
• Existing Spring configuration file 23
Spring Config: src/applicationContext.xml
*** No Hibernate LocalSessionFactory found in the Spring configuration file defined above. *** Enter the Spring LocalSessionFactory Bean ID to be created and used by MyEclipse Spring-Hibernate Tools. Then press "Next" to specify the DataSource connection details:
SessionFactory ID: sessionFactory
(?) (<u>Back Mext</u> 25 <u>Finish</u>
图十二,第 23 步选择已经在前面配置好的 Spring 上下文;

第24步自定义一个 SessionFactory 对象名;

C	ate Capabilit	ties	
opring-Hibernate	e Support for MyEc	lipse	
Specity new Spr	Ing DataSource co	UNECTION DETAILS	
Specify Spri	ng DataSource com	nection details?	
Bean Id	empDataSource	•	
DataSource:	⊙ Use JDBC Drive	Use JMDI DataSource	
DB Driver:	oracleDriver	~	
	Copy DB driv	ver ar(s) to project and add to buildpath?	
Connect URL:	jdbc:oracle:thin	:@localhost:1521:ORACLEDB	
Driver Class:	oracle.jdbc.driv	er.OracleDriver	Browse
Vsername:	scott		
Password:	****		
Dialect:	Oracle 9/10g		Search
Enable dyna	nic DB table creat	tion	
0		< Back Next 28 Find	ish Cancel
肉上二	うん上白中	マツーへ DataSource 社会々	
四一,牙	5 20 少日ル		
牙	5 27	已设置好的 Db Dhvei(见附求)。	
Mdd Hiber	nate Capabili	ties	-
Create Hibernat Define Session	e SessionFactory Factory propertie	for MyEclipse	-
	, 11		
Create Sess	ionFactory class?		
Ja29 wrce fo	ionFactory class?] lder: src		V New
Ja29 urce fo	ionFactory class?j lder: src	Bro	New.
Ja <mark>29</mark> urce fo Java package: Class name:	ionFactory class? lder: src Kibernat	Brow	New.
Ja Create Sess Ja 29 urce fo Java package: Class name: Java Complianc	i onFactory class? 1der: src 	eSessionFactory 4 • Java 5	New New
Ja ²⁹ urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	Brow SessionFactory 1.4 © Java 5	New New
Ja 29 urce fo Java package: Class name: Java Complianc	i onFactory class? lder: src Kibernat e Level: Java 1	Bro eSessionFactory 1.4 ③ Java 5	New.
Ja29 urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	eSessionFactory 1.4 ③ Java 5	New New
Ja 29 urce fo Jaya package: Class name: Java Complianc	i onFactory class? lder: src Kibernat e Level: O Java 1	Bron InSessionFactory I.4 ④ Java 5	New New
Ja 29 urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	eSessionFactory 1.4 ④ Java 5	New.
Dreate Sess Ja 29 urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	eSessionFactory 1.4 ① Java 5	New New
Ja Create Sess Ja 29 urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	eSessionFactory 1.4 ③ Java 5	New.
Ja 29 wrce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	Bro SessionFactory I.4 ①Java 5	New.
Ja 29 urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	eSessionFactory 1.4 ③ Java 5	New.
Ja 29 urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	In SessionFactory I.4 ① Java 5	New.
Ja 29 urce fo Jaya package: Class name: Jaya Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	LaSessionFactory L.4 ①Java 5	New.
Dreate Sess Ja 29 urce fo Java package: Class name: Java Complianc	ionFactory class? lder: src Hibernat e Level: O Java 1	ESessionFactory 1.4 • Java 5	New.

图十四,第29步取消 HibernateSessionFactory.由 Spring 来管理 sessionFactory.

步骤五,添加 dbcp 数据库支持 jar 包

🔎 *applicationContext. xml 😒

4	xmlns:xsi="http://www.w3.org/2001/XMI.Schema-instance"
5	xsi:schemal.ocation="http://www.springframework.org/schema
6	xonoenendeeeddaan meepiyy marroppinighamenendaa gybenenie
7	
80	<bean <="" id="empDataSource" td=""></bean>
0 9	class="org.apache.commons.dbcp.BasicDataSource">
100	<property <="" name="driverClassName" pre=""></property>
11	value="oracle.jdbc.driver.OracleDriver">
12	
130	<property <="" name="url" td=""></property>
14	value="jdbc:oracle:thin:@localhost:1521:ORACLEDB">
15	
16	<property name="username" value="scott"></property>
17	<property name="password" value="tiger"></property>
18	
10	

图十五, 添加完三个框架支持后, 在 Spring 的上下文配置文件 applicationContext.xml 中有一个 class 'org.apache.commons.dbcp.BasicDataSource'not found 错误。

株\Struts\Struts1.1DataSource	
名称 🔺	大小 类型
📓 commons-dbcp-1.2.1. jar	106 KB Executable Jar
📓 commons-pool-1.3. jar	61 KB Executable Jar
📓 struts=legacy. jar	11 KB Executable Jar

图十六,

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术\Struts\Struts1.1DataSource 大小|类型 名称 🔻 🔊 struts-legacy. jar 11 KB Executable Jar a) comr Jar 打开(0) a) com Jar K扫描病毒(S) 打开方式(出)... <u>UltraEdit-32</u> े 添加到压缩文件 (A).... 🏽 添加到 "Struts1. 1DataSource. rar" (I) ■压缩并 E-mail... ■压缩到 "Struts1.1DataSource.rar" 并 E-mail ■解压文件(A)... े 解压每个压缩文件到单独的文件夹 (S) े解压到 commons-pool-1.3\(E) 发送到 (M) ۲ 剪切(T) 复制(C) 创建快捷方式(S) 10170 000 第31步复制三个 jor 包 图十七, ann ar-표 🔜 Spring 2.0 Persistence Core Librar 0 9 class=' 🕀 🔜 Referenced Libraries 100 <prope 😑 🕞 WebRoot 11 valu 12 🗄 🗁 META-INF </prop 130 😑 🥟 WEB-INF <prope 1.4 --alu 3 li . New **b**p T SI be T SI Open in New Window e ず s1 Show In Alt+Shift+W 🕨 🛟 st Ctrl+C 🔐 st 📑 Сору d = 🔐 🖬 Copy Qualified Name -📅 s1 <u>P</u>aste Ctrl+V be ず s1 💥 Delete et Delete X V: p X we Build Path ٠ e C? inda Refactor Alt+Shift+T 🕨 bro 🚵 Import... Image Preview 🛃 Exp<u>o</u>rt... 🔗 Re<u>f</u>resh F5 Assign Working Sets... 1: . Run As 图十八,第32步将三个 jar 包粘贴在/WEB-INF/lib 中



图二十,

步骤六:实现 DAO 的注入

在步骤四添加 Hibernate 支持时在 Spring 上下文配置文件 applicationContext.xml 中,配置了数据源和 sessionFactory.

9 app	pplicationContext. xml 🔀 🔪 💭 struts-config. xml 👘 🔣 we	b.xml
2	- Sueana	
3	xmlns="http://www.springframework.org/schema	/beans"
4	xmlns:xsi="http://www.w3.org/2001/XMLSchema	i-instance"
5	xsi:schemaLocation="http://www.springframewo	rk.org/schema/beans http
6		
7	/ 配置数据源 添加hibernate支持时产生	
80	🖻 <bean <="" id="empDataSource" td=""><td></td></bean>	
9	class="org.apache.commons.dbcp.BasicDataS	ource">
100	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>	
11	value="oracle.jdbc.driver.OracleDriver">	
12	<pre>2 </pre>	
130	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>	
14	value="jdbc:oracle:thin:@localhost:1521:C	RACLEDB">
15	<pre>> </pre>	
16	o <property name="username" value="scott"></property>	property>
17	<pre><pre><pre><pre>content</pre> </pre>// <pre></pre>// <pre></pre>// <pre></pre>// <pre>// <</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	property>
18	d/bean>	
19	E second and second some second	
20) 配置sessionFactory 添加hibernate支持时产生	>
210	<bean <="" id="sessionFactory" p=""></bean>	
22	class="org.springframework.orm.hibernate3.Lo	calSessionFactoryBean">
230	<property name="dataSource"></property>	
24	<ref bean="empDataSource"></ref>	
25	<pre>> </pre>	
260	<property name="hibernateProperties"></property>	
270	<props></props>	
280	<prop key="hibernate.dialect"></prop>	
29	org.hibernate.dialect.Oracle9Dialect	
30)	
31		
32	<pre>2 </pre>	
33		
and a low of the		

图二十一

pplicationContext.xml - TyEclipse Enterprise Workbench

	Window	Help	
100000	<u>N</u> ew New	Window <u>E</u> ditor	🎍 • 🔄 🖞 😰 🎯 • 🗎 🥭 🔗 😕
	Oper	a Perspective	MyEclipse AJAX
	Show	/ <u>V</u> iew	MyEclipse Database Explorer 35
	Cust Save <u>R</u> ese <u>C</u> los Clos	comi <u>z</u> e Perspective Perspective <u>A</u> s et Perspective se Perspective se A <u>l</u> l Perspectives	MyEclipse Hibernate MyEclipse Image Editor MyEclipse Java Persistence MyEclipse UML
-	Navi	gation	• • • • • • • • • • • • • • • • • • •
0	Cork	ting Sets	▶ r">
i	Web <u>P</u> ref	Browser Terences	.521:ORACLEDB">



Generate Hibernat	and Apping and Java classes from dat	abase explorer tables	
Java src folder:			Browse
Java package:	🐠 Jawa Source Folder		Browse
Hibernate mapp	Select your java source folder or	package	
🗹 Update hi	😑 🥵 SSHFirstDemo		
Java Data Obje			
Create ab	50		
Base persist			Browse
Java Data Acce			
Generate			
DAO type: 🧿			
Base class;			New
]Use custom tem			
Template dir			Browse
	0	OK 39 Cane	el
2	< Back	Next > Finish	Cancel

<pre>Hibernate Mapping and Application Generation Generate Hibernate mapping and Java classes from database explorer tables Java src folder: /SSHFirstDemo/src Brow Java package: com.chris.domain 40 Whib te mapping file (*.hbm.xml) for each database table</pre>	- 🗆 🎽		ering	everse Engi	ernate R	🏉 Hibe
Generate Hibernate mapping and Java classes from database explorer tables Java src folder: /SSHFirstDemo/src Brow Java package: com. chris. domain 40 Whib 41 te mapping file (*. hbm. xml) for each database table Update hibernate configuration with mapping file location Java Data Object (POJO \diamond DB Table) 42 Create abstract class Base persistent class: Brow Java Data Access Object (DAO) (Hibernate 3 only) Java Data Access Object (DAO) (Hibernate 3 only) Java Data Access Object (DAO) (Hibernate 3 only) Generate precise findBy methods DAO type: Basic DAO Spring DAO JWDI DAO Spring config file: src/ap44 ationContext.xml SessionFactory Id: sessionFactory - (src/applicationContext.xm			Generation	and Applicatio	te Mapping	liberna
Java src folder: /SSHFirstDemo/src Brow Java package: com.chris.domain Wibe apping file (*.hbm.xml) for each database table Update hibernate configuration with mapping file location Java Data Object (POJO \diamond DB Table) Java Data Object (POJO \diamond DB Table) Java Data Object (DAO) \diamond DB Table) Java Data Access Object (DAO) (Hibernate 3 only) Java Data Access Object (DAO) (Hibernate 3 only) Generate precise findBy methods DAO type: Basic DAO Spring DAO JINDI DAO Spring config file: src/ap44 ationContext.xml SessionFactory Id: sessionFactory = (src/applicationContext.xm Use custom templates Template directory: Brow		•	va classes from databa	te mapping and ,	e Hibernat er tables	Genera explor
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libernate M Configure 4	apping and / type mapping	Applicatior g details	n Generatio	'n		
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22	ciasa- org.apringinamework.orm.nibernates.cocalsesaionnacto
230	<property name="dataSource"></property>
24	<ref bean="empDataSource"></ref>
25	
260	<property name="hibernateProperties"></property>
270	<props></props>
280	<prop key="hibernate.dialect"></prop>
29	org.hibernate.dialect.Oracle9Dialect
30	
31	
32	
330	<property name="mappingResources"></property>
340	<ist></ist>
350	<value>com/chris/domain/Dept.hbm.xml</value>
36	<value>com/chris/domain/Emp.hbm.xml</value>
37	
38	
390	配置DAO hibernate反向工程时产生
400	<bean class="com.chris.domain.DeptDAO" id="DeptDAO"></bean>
418	<property name="sessionFactory"></property>
42	<ref bean="sessionFactory"></ref>
43	
44	
45	
468	配置DAO hibernate反向工程时产生
470	 dean id="EmpDAO" class="com.chris.domain.EmpDAO">
480	<property name="sessionFactory"></property>
49	<ref bean="sessionFactory"></ref>
50	
51	
52	
53	

图二十八

此时 applicationContext.xml 中以有四个 bean。分别是 datasource、 sessionFactory、DeptDAO、EmpDAO。

* aj	pplicationContext.	😧 struts-config. xml	🕖 EmpDAO. java	👔 Emp. hbm. xml 💈
1	xml version="1.0</th <th>encoding="utf-8"?></th> <th></th> <th></th>	encoding="utf-8"?>		
2	hiberna</td <th>ate-mapping PUBLIC "-</th> <th>//Hibernate/Hiber</th> <th>nate Mapping DT</th>	ate-mapping PUBLIC "-	//Hibernate/Hiber	nate Mapping DT
3	"http://hibernate.s	ourceforge.net/hibern	ate-mapping-3.0.	dtd">
4	</td <th></th> <th></th> <th></th>			
5	Mapping file aut	ogenerated by MyEclip	ose Persistence T	ools
6	>			
7	<hibernate-mappin< td=""><th>g></th><th></th><th></th></hibernate-mappin<>	g>		
89	<class <="" name="c</td><th>om.chris.domain.Emp" th=""><th>table="EMP" sche</th><th>ema="SCOTT"></th></class>	table="EMP" sche	ema="SCOTT">	
96	<id name="er</td><th>mpno" type="java.lang</th><th>.Long"><th></th></id>			
10	<column r<="" td=""><th>name="EMPNO" precision</th><th>on="4" scale="0" /</th><th>></th></column>	name="EMPNO" precision	on="4" scale="0" /	>
11	<generate< td=""><th>or class="sequence" /></th><th>19</th><th></th></generate<>	or class="sequence" />	19	
12		enerator class-"seque	Ince S	
138	<many-to-< td=""><th>norom nome-"eeque</th><th>ce"sequence or</th><th>acle</th></many-to-<>	norom nome-"eeque	ce"sequence or	acle
14	<columr_< td=""><th>generators</th><th>ce >sequence_or</th><th>acie (/ paraiti></th></columr_<>	generators	ce >sequence_or	acie (/ paraiti>
15	<th>me></th> <th></th> <th></th>	me>		
16	<property na<="" td=""><th>ime="ename" type="ja</th><th>va.lang.String"></th><th></th></property>	ime="ename" type="ja	va.lang.String">	
17	<column r<="" td=""><th>name="ENAME" length=</th><th>="10" /></th><th></th></column>	name="ENAME" length=	="10" />	
18				
图.	二十九			

A data access object (DAO) providing p	cibibiterice and bearer	i support io	1 7
* entities. Transaction control of the sav	Allada	F++1+7	1
* can directly support Spring container-r	A Durdo	0.011.12	
* augmented to handle user-managed Sp	Keyert File		
* provides additional information for how	Save		
* of transaction control.	Open Declaration	F3	
	→ Open Type Hierarchy	F4	
* @see com.chris.domain.Emp	Open Coll Vieneratory	C174-8744W	
* @author MyEclipse Persistence Tools	Open Call <u>A</u> lerarchy	CTFITALTTA	
*/	Quick Uut <u>l</u> ine	CtrI+U	
A STATE AND A STATE OF A STATE AND A STATE OF A STATE OF A STATE	Quick Type <u>H</u> ierarchy	Ctrl+T	
public class EmpDAO extends Hibernate	Sho <u>w</u> In	Alt+Shift+W	۲
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nublic static final String ENAME - "on	C	Fiultic	
public static final String 208 - "job"	Copy	CHIN	
public static final String JOB = JOD ;	<u>r</u> aste	Utr1+V	
public static final String MGR = "igr	Source	Alt+Shift+S	
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	Local <u>H</u> istory		١.
Ruturant Tatasfaga	Re <u>f</u> erences		۲
	Declarations		۲
Extract Superclass			_
Use Supertype W <u>h</u> ere Possible	Add to Snippets		
Բաll <u>Մ</u> թ			- 28
=+			
	<pre>* entities. Transaction control of the sav * can directly support Spring container-r * augmented to handle user-managed Sp * provides additional information for how * of transaction control. * * @see com.chris.domain.Emp * @author MyEclipse Persistence Tools */ public class EmpDAO extends Hibernate private static final Log log = LogFact // property constants public static final String ENAME = "en public static final String JOB = "job"; public static final String MGR = "mgr" public static final String MGR = "mgr" public static final String SAI = "cal". Move Change Method Signature Alt+Shift+C Extract Interface Use Supertype Where Possible Pull Up = +</pre>	<pre>* entities. Transaction control of the say * can directly support Spring container- * augmented to handle user-managed Sr * provides additional information for how * of transaction control. * * @see com.chris.domain.Emp * @author MyEclipse Persistence Tools */ public class EmpDAO extends Hibernate private static final Log log = LogFact // property constants public static final String ENAME = "en public static final String JOB = "job"; public static final String MGR = "mgr" pub</pre>	<pre>* entities. Transaction control of the sa * can directly support Spring container-r * augmented to handle user-managed Sc * provides additional information for how * of transaction control. * * @see com.chris.domain.Emp * @author MyEclipse Persistence Tools */ public class EmpDAO extends Hibernate private static final Log log = LogFact // property constants public static final String ENAME = "en public static final String SOB = "job"; public static final String MGR = "mgr" public static final String MGR = "mgr" public static final String MGR = "mgr" public static final String SAL = "sal".</pre>

Extract Interface Interface name: IEmpDAO 50 ✓ Use the extracted interface type where possible Use the extracted interface in 'instanceof' expressions Declare interface methods as 'public' Declare interface methods as 'abstract' Members to declare in the interface: 🛃 🔊 findByExample(Emp) Select All ~ 💽 🔘 findById(Long) Deselect All 🔽 🔊 findByJob(Object) 🛃 🔊 findByffgr (Object) 🗹 🔊 findByProperty(String, Object) 🕝 🔊 findBySal (Object) 🔽 🍥 merge(Emp) 🛃 🍥 save(Emp) Generate method <u>c</u>omments OK 52 Preview > Cancel 图三十·

步骤七:实现 service 的注入

SSH 集成开发宝典步骤



ava LIASS			
Create a new Java (C		
Source fol <u>d</u> er:	SSHFirstDemo/src		Br <u>o</u> wse
Pac <u>k</u> age:	com. chris. service	Browse	
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la <u>m</u> e:	EmpService		
Nodifiers:	⊙ public 55) default	Opri <u>v</u> ate	Oprotected
uperclass:	java. lang. Object	stati <u>c</u>	Browse
nterfaces:			<u>A</u> dd
			No.
			Remove
o you want to add	✓ Inherited abstract met comments as configured in Generate comments	hods 1 the <u>propert</u>	<u>ies</u> of the current project?
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00 you want to add ② 三十三,新建 0. java ② Emp. hbm. x inckage com.chris.ser aport com.chris.doma iblic class EmpServic private IEmpDAO er 5	✓ Inherited abstract met comments as configured in Generate comments Generate comments Generate comments Implements Implemen	hods the propert mpService.java Ctrl+Z F3 F4 Ctrl+Alt+H Ctrl+Alt+H	ies of the current project? Finish 56 Cancel Correct Indentation Format Cancel Correct Solution Correct Solution Correc
Do you want to add ② □三十三, 新建 D. java ② Emp. hbm. x inckage com.chris.ser aport com.chris.doma iblic class EmpServic private IEmpDAO er 5	✓ Inherited abstract met comments as configured in Generate comments Generate comments Implements	hods the propert mpService.java Ctrl+Z F3 F4 Ctrl+Alt+H Ctrl+Alt+H Ctrl+T Alt+Stifter	ies of the current project? Finish 56 Cancel Cancel IEmpDAO. java "3 Toggle Comment Generate Element Comment Generate Element Comment Correct Indentation Format Add Import Organize Imports Sort Members Clean Up Oyerride/Implement Methods Generate Getters and Setters 58

SSH 集成开发宝典步骤



🥟 *app]	licationContext. 🔀 🔪 🚛 EmpService.java 🛛 🚛 IEmpService.java 🛛 🚛 I
35 0	<value>com/chris/domain/Dept.hbm.xml</value>
37	
38	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
390	配置DAO hibernate反向工程时产生
409	<bean class="com.chris.domain.DeptDAO" id="DeptDAO"></bean>
410	<property name="sessionFactory"></property>
42	<ref bean="sessionFactory"></ref>
43	
44	
45	
469	配置DAO hibernate反向工程时产生
479	<bean class="com.chris.domain.EmpDAO" id="EmpDAO"></bean>
489	<property name="sessionFactory"></property>
49	<ref bean="sessionFactory"></ref>
50	
51	
52	
53	手动配置EmpService 实现EmpDAO 注入
540	<pre><bean class="com.chris.service.EmpService" id="empService"></bean></pre>
550	<property name="empDAO"></property>
56	<ref bean="EmpDAO"></ref>
57	
58	
59	
60	

图三十六 步骤八:整合 struts&Spring 🥟 *applicationContext. 🛟 struts-config.xml 🔀 🔪 🕖 EmpService.java 🕖 IEmpService.ja • . . . 2 Undo S Redo 🗖 Export As JPEG... x 🕨 🛼 Form New 🛬 Action 🔩 Form, Action and JSP 🗣 Forward 61 DataSource 图三十七 Struts 1.2 Form Declaration Create Struts 1.2 FormBean Config/Module: /SSHFirstDemo/WebRoot/WEB-INF/struts-config.xml Browse... Use case: emp 62 Name: empForm Form Impl: 💿 New FormBean ○Existing FormBean ○Dynamic FormBean Superclass: org. apache. struts. action. ActionForm v 63 Form type: com. chris. struts. form. EmpForm Form Properties Methods JSP Properties: Add Edit Remove ? $\leq \underline{B}ack$ Next 64 Finish Cancel

图三十八

truts 1.2 Acti Create Struts	on Declaration 1.2 Action	32
Config/Module: Use case:	/SSHFirstDemo/WebRoot/WEB-INF/struts-config.xml	Browse
Path: Action Type:	/emp Type Forward Include	
Superclass: [ype: Form Param	org. apache. struts. action. Action com. chris. struts. action. EmpAction eter Methods Forwards Exceptions	
Forwa 🕨 No	w Forward	Add Edit
Forwa 🦕 No Name Path	result /result.jsp 65 Redirect Context relative	Add Edit Remove

SSH 集成开发	发宝典步骤		
- 📋 Play	FameCH8	<u>^</u>	F Project
- 🔲 Sprin	ngAopDemo	3	38
	em o	3	39 [EJB3 Entity Bean
- C Cont	pproject	4	40 🕰 EJB3 Message Driven Bean
	rstDemo		🚼 式 EJB3 Session Bean
	Ne <u>w</u>		🕨 式 EJB3 Session Bean
	Go <u>I</u> nto		📸 EJB3 Entity Bean
	Open in New Window		🕰 EJB3 Message Driven Bean
	Open Type Hierarchy	F4	👕 UML Model Repository
	Show In	Alt+Shift+W	Servlet
	ED. a	a. 11a	JSP (Advanced Templates)
	Lobà	Utr1+U	HTML (Advanced Templates)
	E Copy Qualified Name		XHTMI (Advanced Temn]ster)
	Easte	Ctrl+V	
	💥 Delete	Delete	A Appiet
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É	<u>S</u> ource	Alt+Shift+S	
	Refac <u>t</u> or	Alt+Shift+T	
	and Import		X XML (Advanced Temprates)
н 🛋 л	A Export		X XML (Dasic Templates)
🕀 📄 J2	🔗 Re <u>f</u> resh	F5	H Fackage
🕀 📥 St	Assign Working Sets		G Class
🕀 📥 SI	,		1 Interface
🕀 📑 SI	<u>Nun As</u>		Source Folder
🕀 🛋 SI	Debug As		😂 Folder
🕀 🛋 Hi	<u>frofile As</u>		File File
🔄 🕀 🛋 SI	j i <u>e</u> am Compose With		X XML (Basic Templates)
E 🔁 Re	Compare mith		S XML Schema
	Restore from Local Alstory.		
	mArcribze		Event a
图四十			

↔ New XML File	
XML File Create a new XML file.	
Enter or select the parent folder:	
SSHFirstDemo/src	
E 2 SSHFirstDemo	
⊕ 🔂 src	
🕀 🚌 WebRoot	
14 <u></u>	
File name: action_servlet.xml	
Advanced >>	
⑦ < Back Next > 70 Finish	Cancel
图四十一	
₩ New XML File	
Create XML File From Select how you would like to create your XML file.	
○Create XML file from a <u>D</u> TD file	
○Create XML file from an <u>X</u> ML schema file	
Create XML file from an XML template	
⑦ < <u>Back</u> Next > <u>Finish</u>	71 Cancel

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图四十五,第75步 手动配置将 empService 注入到 EmpAction 中。其中没有 id,需配置 name 为提交的 path.



图四十七,第77步在 struts 的配置文件 struts-config.xml 中已插件的方式集成。 注意: plug-in 插件必须写在配置文件的最后一项。 SSH 集成开发宝典步骤 <hibe Mroject... 📋 epet 80 < ۱¢ 💼 epet_test 隊 EJB3 Entity Bean ar 📋 epet New I 😭 EJB3 Message Driven Bean Tavo Go Into 🔣 EJB3 Session Bean - 👕 Firs Open in New Window 式 EJB3 Session Bean 👕 Game Ope<u>n</u> Type Hierarchy F4 📋 Ні БТ [EJB3 Entity Bean Show In Alt+Shift+W 🕨 📋 MyEP 😪 EJB3 Message Driven Bean Play 👕 UML Model Repository Alt+W Copy -📋 Spri - 💼 SSHD 🖹 Copy Qualified Name 😚 Servlet J⁹ JSP (Advanced Templates) 👕 SSHE 🛅 Paste Ctrl+Y 78 📅 HTML (Advanced Templates) 🥵 SSHF 💢 Delete Delete 🔐 XHTML (Advanced Templates) E 🥮 s Build Path . 🕀 🛃 J Applet Alt+Shift+S 🕨 Source 🕀 🛃 J 🏄 Web Service Alt+Shift+T 🕨 Refactor 🕀 📥 🗄 🔊 Web Service Client 🕀 🛋 S 🚵 Import... MSDL 🕀 🛋 S 🚡 🇾 🛛 🛃 Exp<u>o</u>rt... 🐼 XMI (Advanced Templeter) 图四十八 🥔 Create a new JSP page. JSP Wizard File Path: /SSHFirstDemo/WebRoot Browse... File Name: result jsp Template to use: Standard JSP using Struts 1.2/1.3 Y 79 (?) Finish Cancel





图五十,修改 result.jsp,利用 struts 标签 logic 显示 list.

🤊 app	licationContext.x	📝 result. jsp	🕼 index. jsp 🛛 🖓
69	Normal 💉	(Default)	💙 Normal 😽
	译章 注 注 100%	×.	
<jsp:f< td=""><td>orward ("/emp.do")></td><td></td><td></td></jsp:f<>	orward ("/emp.do")>		
17	<title>Mv 1SP</title>	'index.isp' startin	n nane
18	<meta http-ed<="" td=""/> <td>uiv="pragma" co</td> <td>ntent="no-cache"></td>	uiv="pragma" co	ntent="no-cache">
19	<meta http-ed<="" td=""/> <td>uiv="cache-cont</td> <td>rol" content="no-cad</td>	uiv="cache-cont	rol" content="no-cad
20	<meta http-ed<="" td=""/> <td>uiv="expires" cor</td> <td>ntent="0"></td>	uiv="expires" cor	ntent="0">
21	<meta http-ed<="" td=""/> <td>uiv="keywords" o</td> <td>content="keyword1,k</td>	uiv="keywords" o	content="keyword1,k
22	<meta http-ed<="" td=""/> <td>uiv="description"</td> <td>content="This is my</td>	uiv="description"	content="This is my
23	</td <td>an Dele station</td> <td>The second s</td>	an Dele station	The second s
24	k rel="style"	sheet" type="tex	t/css" href="styles.c
25	>	Constantine and	
26			
27			
280	<body></body>		01
29	<jsp:forward td="" <=""><td>page="/emp.do"></td><td></td></jsp:forward>	page="/emp.do">	
30			
31			
五十	-一,修改 ind	ex.jsp,直接题	跳转到 servlet.
骤ナ	ι: 运行		

Server			and the second sec	
		S	Status	Mod
🔎 MyEclipse Derby		E	Stopped	
- 🤆 MyEclipse Tomcat G SSHFirstDemo K Tomcat 6.x	 Configu Run Ser Debug S Restart Stop 	ver erver		P I

图五十二

Preferences (Filtered)) 💷 🗖 🖾
type filter text	MyEclipse Tomcat 6 🤤 - 🙄 -
 MyEclipse Database Explorer Servers Geronimo Glassfish Integrated Sandbox MyEclipse Derby MyEclipse Tomca JBoss Jetty JOnAS JRun Oracle Orion Resin Sun Java System App Tomcat WebLogic WebSphere 	Tomcat server Enable Disable Tomcat base directory: E:\workspace\\metadata\.plugins\com.genu Port Number: 9090 Optional program arguments: Restore MyEclipse Tomcat Server Installation
<	
0	OK Cancel

______ 图五十三,由于 oracle 占用了 8080 端口,所以将 tomcat 的端口改为 9090



🔑 applicationContext. :	د 🚺 result.jsp	j index. jsp	👬 *Emp. hbm. xml 🔀 📃 🗶 web. xml		
4 </td <th></th> <td></td> <td></td> <td></td> <td></td>					
5 Mapping file	autogenerated by	MyEclipse Persis	stence Tools		
6>					
7 <hibernate-ma< td=""><th>oping></th><td></td><td></td><td></td><td></td></hibernate-ma<>	oping>				
89 <class name<="" td=""><th>="com.chris.domair</th><td>h.Emp" table="El</td><td>MP" schema="SCOTT"></td><td></td><td></td></class>	="com.chris.domair	h.Emp" table="El	MP" schema="SCOTT">		
90 <id name<="" td=""><th>="empno" type="jay</th><td>va.lang.Long"></td><td></td><td></td><td></td></id>	="empno" type="jay	va.lang.Long">			
10 <colur< td=""><th>nn name="EMPNO"</th><td>precision="4" sc</td><td>ale="0" /></td><td></td><td></td></colur<>	nn name="EMPNO"	precision="4" sc	ale="0" />		
11 [©] <gene< td=""><th>rator class="seque</th><td>nce" ></td><td></td><td></td><td></td></gene<>	rator class="seque	nce" >			
12 <par< td=""><th>am name="sequenc</th><td>e">sequence_o</td><td>racle</td><td></td><td></td></par<>	am name="sequenc	e">sequence_o	racle		
13 gen</td <th>erator></th> <td></td> <td></td> <td>03</td> <td></td>	erator>			03	
14			and the second	<u>.</u>	
15 [©] <many-t< td=""><th>o-one name="dept"</th><td>class="com.chr</td><td>is.domain.Dept" fetch="select" laz</td><td>v="false"></td><td></td></many-t<>	o-one name="dept"	class="com.chr	is.domain.Dept" fetch="select" laz	v="false">	
16 <colur< td=""><th>nn name="DEPTNO"</th><td>precision="2" s</td><td>cale="0" /></td><td>·</td><td></td></colur<>	nn name="DEPTNO"	precision="2" s	cale="0" />	·	
17 <th>to-one></th> <td></td> <td></td> <td></td> <td></td>	to-one>				
189 <propert< td=""><th>v name="ename" tv</th><td>pe="iava.lang.S</td><td>trina"></td><td></td><td></td></propert<>	v name="ename" tv	pe="iava.lang.S	trina">		
19 < colu	nn name="ENAME"	lenath="10" />			
図五十六 笛 8	35 步沿署 laz	v=" false	" 不使田延识加裁功能	这样在粉挥店	おん おうちょう おうしん おうしん しんしん しんしん しんしん しんしん しんしん しんし
ᄧᅭᆞᇧᆇ	シシ区目口	y Tuise	小区用些处加制切比	• 心什证 奴1/1月	-]木

时就读取数据到内存中。

🏉 result.jsp - Vindows Inte	rnet Explorer
💽 🗸 🖉 http://localhost:909	O/SSHFirstDemo/
🚖 🕸 🌈 result. jsp	
Emps list: SMITH ALLEN WARD JONES MARTIN BLAKE CLARK SCOTT KING TURNER ADAMS JAMES FORD MILLER	
图五十七	
步骤十: 使用 OpenSessionInV spring-hibernate3. jar - D:\Frogram Files\MyE(e dorg. springframework. orm. hibernate3 e dorg. annotation e support e do AbstractLobType. class e do BlobByteArrayType. class e do BlobByteArrayType. class	iewFilter 过滤器来控制 Session 的开关。 <pre></pre>

🛨 📶 BlobByteArraylype. class		
🕀 🚠 BlobSerializableType. class	31	
🕀 🚠 BlobStringType. class	32	<pre>content on a content of the con</pre>
🕀 🚠 ClobStringType. class	33	<pre><description>OpenSessionInviewFilter</description> </pre>
😟 🚮 HibernateDaoSupport. class	35	cliter-classs
🕀 🚠 IdTransferringMergeEventListener. cl	36	org.springframework.orm.hibernate3.support.OpenSessionInViewFilter
😑 📊 OpenSessionInViewFilter.class	37	
🗄 😉 OpenSessionInViewFilter	38	
🕀 🚠 OpenSessionInViewInterceptor. class	39	<pre>a <filter-mapping></filter-mapping></pre>
🕀 🚠 ScopedBeanInterceptor. class	40	<filter-name>OSIVFilter</filter-name>
🗄 🔚 AbstractSessionFactoryBean. class	41	<url-pattern>/*</url-pattern>
🗄 ዀ FilterDefinitionFactoryBean. class	42	
🗄 🔚 HibernateAccessor. class	43	
🗄 🔚 HibernateCallback. class	44	⊴/web-app>

<35>

Author:Chris Email:wucheng269@163.com Date:2008-11-5

图五十八

运行时出现以下错误:

🛃 Problems 🤕 任务 🚇 Web Browser 💷 Console 🙁 🛛 🚜 Servers 🗏 🗶 💥 🔒 🖬 🖪 🐼 💌 🔳 myeclipseTomcatServer [Remote Java Application] D:\Program Files\MyEclipse 5.5 GA\jre\bin\javaw.exe (Nov 5, 2008 10:09:04 PM)] 历史记录 动作 log4j:WARN Please initialize the log4j system properly. 2008-11-5 22:09:19 org.apache.catalina.core.ApplicationContext log 信息: Initializing WebApplicationContext for Struts ActionServlet 'action', module '' 2008-11-5 22:09:26 org.apache.coyote.http11.Http11Protocol start 信息: Starting Coyote HTTP/1.1 on http-9090 2008-11-5 22:09:26 org.apache.jk.common.ChannelSocket init 信息: JK: ajp13 listening on /0.0.0.0:8009 2008-11-5 22:09:26 org.apache.jk.server.JkMain start 信息: Jk running ID=0 time=0/47 config=null 2008-11-5 22:09:26 org.apache.catalina.startup.Catalina start 信息: Server startup in 16991 ms 2008-11-5 22:09:26 org.apache.catalina.core.StandardWrapperValve invoke 严重: Servlet.service() for servlet jsp threw exception iava.lang.IllegalStateException: No WebApplicationContext found: no ContextLoaderListener registered? $\texttt{at org.springframework.web.context.support.WebApplicationContextUtils.getRequiredWebApplicationContext(\underline{WebApplicationContext(webApplicationContext)}) and a torg.springframework.webApplicationContext(\underline{WebApplicationContext}) and a torg.springframework(\underline{WebApplicationContext}) and a torg.springframework(\underline{WebApplicat$ at org.springframework.orm.hibernate3.support.OpenSessionInViewFilter.lookupSessionFactory(OpenSessionInV at org.springframework.orm.hibernate3.support.OpenSessionInViewFilter.lookupSessionFactory(OpenSessionInV at org.springframework.orm.hibernate3.support.OpenSessionInViewFilter.doFilterInternal(OpenSessionInViewF at org.springframework.web.filter.OncePerRequestFilter.doFilter(<u>OncePerRequestFilter.java:75</u>) at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:235) at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:206) at org.apache.catalina.core.StandardWrapperValve.invoke (<u>StandardWrapperValve.java:230</u>) at org.apache.catalina.core.StandardContextValve.invoke (StandardContextValve.java:175) at org.apache.catalina.core.StandardHostValve.invoke(<u>StandardHostValve.java:128</u>)

图五十九

于是在 web.xml 中添加环境监听器

🤊 app	licationContext.x	🚺 struts-config. xml	👔 web.xml 🔀 🕥 MyEclipse Web Browse	» ₁₁
Z9	<weicome-i< th=""><th>ne sindex.jsp<!-- weicome</th--><th>-me></th><th></th></th></weicome-i<>	ne sindex.jsp weicome</th <th>-me></th> <th></th>	-me>	
30	<th>-list></th> <th></th> <th></th>	-list>		
31				
320	<filter></filter>			
33	<description< td=""><td>n>OpenSessionInViewFil</td><td>ter</td><td></td></description<>	n>OpenSessionInViewFil	ter	
34	<filter-name< td=""><td>>OSIVFilter<td>10></td><td></td></td></filter-name<>	>OSIVFilter <td>10></td> <td></td>	10>	
350	<filter-class< td=""><td>s></td><td></td><td></td></filter-class<>	s>		
36	org.sprin	gframework.orm.hiberna	ate3.support.OpenSessionInViewFilter	
37	<td>S></td> <td></td> <td></td>	S>		
38				
390	<filter-mapping< td=""><td>]></td><td></td><td></td></filter-mapping<>]>		
40	<filter-name< td=""><td>>OSIVFilter<td>10></td><td></td></td></filter-name<>	>OSIVFilter <td>10></td> <td></td>	10>	
41	<url-patterr< td=""><td>n>/*</td><td></td><td></td></url-patterr<>	n>/*		
42	<td>ig></td> <td></td> <td></td>	ig>		
43	. 5656	5		
44				
450	<context-param></context-param>			
46	<param-name>co</param-name>	ntextConfigLocation <td>aram-name></td> <td></td>	aram-name>	
47	<param-value>cla</param-value>	sspath:applicationCont	ext.xml,classpath:action_servlet.xml <td>am-value></td>	am-value>
48	<td>></td> <td></td> <td></td>	>		
49				
500	distener>			
510	listener-cla	ass>		
52	org.sprin	gframework.web.contex	kt.ContextLoaderListener	
53	<td>lass></td> <td></td> <td></td>	lass>		
54				
55				
56				
图7	≒ +			

🛃 Problems 💋 任务 🚇 Web Browser 📃 Console 🙁 🔪 🚜 Servers 📕 🗶 🧏 📑 🚰 学 nyeclipseTomcatServer [Remote Java Application] D:\Program Files\MyEclipse 5.5 GA\jre\bin\javaw.exe (Nov 6, 2008 12:24:50 AM) 信息: Jk running ID=0 time=0/31 config=null 2008-11-6 0:25:00 org.apache.catalina.startup.Catalina start 信息: Server startup in 8307 ms Hibernate: select emp0_.EMPNO as EMPNO5_, emp0_.DEPTNO as DEPTNO5_, emp0_.ENAME as ENAME5_, emp0_.JC 2008-11-6 0:25:01 org.apache.catalina.core.ApplicationDispatcher invoke **重: Servlet.service() for servlet action threw exception java.lang.NullPointerException at org.hibernate.tuple.AbstractEntityTuplizer.createProxy(AbstractEntityTuplizer.java:372) at org.hibernate.persister.entity.AbstractEntityPersister.createProxy(AbstractEntityPersiste at org.hibernate.event.def.DefaultLoadEventListener.createProxyIfNecessary(DefaultLoadEventL at org.hibernate.event.def.DefaultLoadEventListener.proxyOrLoad (DefaultLoadEventListener.jay at org.hibernate.event.def.DefaultLoadEventListener.onLoad(DefaultLoadEventListener.java:87) at org.hibernate.impl.SessionImpl.fireLoad(SessionImpl.java:862) at org.hibernate.impl.SessionImpl.internalLoad(SessionImpl.java:830) at org.hibernate.type.EntityType.resolveIdentifier(EntityType.java:266) at org.hibernate.type.EntityType.resolve(EntityType.java:303) at org.hibernate.engine.TwoPhaseLoad.initializeEntity(TwoPhaseLoad.java:116) at org.hibernate.loader.Loader.initializeEntitiesAndCollections(Loader.java:842) at org.hibernate.loader.Loader.doQuery(Loader.java:717) at org.hibernate.loader.Loader.doQueryAndInitializeNonLazyCollections(Loader.java:224) at org.hibernate.loader.Loader.doList(Loader.java:2145) at org.hibernate.loader.Loader.listIgnoreQueryCache (Loader.java:2029) at org.hibernate.loader.Loader.list(Loader.java:2024) 图六十一,还是出现同样的错误。过滤器没有起作用。

附录:

一, 配置 oracle 驱动

	名称 △	描述	状态	启动类型
	🏶 OracleOraHome92ClientCache			手动
	🏶 OracleOraHome92HTTPServer		已启动	自动
	🏶 OracleOraHome92PagingServer			手动
	🏶 OracleOraHome92SNMPPeerEncapsulator			手动
_	🏶 OracleOraHome92SNMPPeerMasterAgent			手动
	🐝 OracleOraHome92TNSListener		已启动	手动
	🏶 OracleServiceORACLEDB		已启动	手动
Ĩ	🏶 PeanutHull DDNS Service	DDN	已启动	自动
	🏶 Performance Logs and Alerts	收		手动
	🏶 Plug and Play	使	已启动	自动
	🏶 Portable Media Serial Number Service	Ret		手动
	APA D · · · C J	4.6		
2	<u>₹</u> 1			





按上图输入各种配置,其中 ORACLEDB 要替换为你的数据库名。

🎯 Database Dri	ver	
New Database Conne Create a new conne	ction Driver ection driver	
Driver template: Driver name: Connection URL: User name: Password:	Oracle (Thin driver) empDriver jdbc:oracle:thin:@localhost:1521:ORACLEDB scott *****	
Driver JARs D:\oracle\ora92 Driver classname:	<pre>\jdbc\lib\ojdbc14.jar oracle.jdbc.driver.OracleDriver</pre>	Add JARs Remove
Test Driver Connect to dat Save password Saved password not impossible	abase on MyEclipse startup ds are stored on your computer in a file that' e, for an intruder to read.	s difficult, but
0	< Back Next > Einish	Cancel

选择 save password,然后选 next.

Itema Deta	112	
0.1: 1	😻 Selection Weeded 🛛 🛛 🔀	
) Displa	Select schema to be displayed	
⊙ Displa	OUTLN PM QS QS_CB QS_CBADM QS_CS QS_CS QS_US QS_US QS_WS RMAN ✓ SCOTT SH SYS SYSTEM WKPROXY WKSYS XDB	Add Remove
	Select All Deselect All ØK Cancel	

选择使用的数据库。然后点 finish 的就建立好了驱动。