WA1652 JAX-WS Based Web Service Development Using Eclipse

Classroom Setup Guide

Web Age Solutions Inc.

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Classroom Requirements

Part 1 - Minimum Hardware Requirements

- 2 GHz Pentium IV
- 1 GB RAM
- 8 GB free on the C drive
- Network connectivity to the internet

Part 2 - Minimum Software Requirements

- Microsoft Windows 2000 SP4 or Windows XP
- Internet Explorer 6.0 / Mozilla Firefox 2.0
- Eclipse WTP 2.0.2 all in one *
- JDK 1.5.0.16 *
- JBoss v4.2.2 GA *
- JBossWS 3.0.3 GA *
- MySQL 5.0.51 *
- * indicates software provided as part of the courseware.

Part 3 - Software Provided

You will receive a USB memory sticks containing the following files:

• WA1652.ZIP

All other software listed under Minimum Software Requirements is either commercially licensed software that you must provide or software that is freely available off the Internet.

Part 4 - Important Ghosting or Imaging Information

The software for this course can be ghosted.

Software Installation

Part 1 - Preparation

1. Use the "Add or Remove Programs" feature of Window to ensure there is no version of Java, Java JDK, or J2SE runtime installed on the machine. If any of these softwares are installed, uninstall them, reboot the machine, and delete the old installation directories.

_2. From the USB memory stick, extract the WA1652.ZIP file to C:\

___3. Review that the following folders were created:

- C:\eclipse
- C:\jboss-4.2.2.GA
- C:\jbossws-native-dist
- C:\LabFiles
- C:\Software

___4. Review that the following files were created:

- C:\Software\jdk-1_5_0_16-windows-i586-p.exe
- C:\Software\mysql-essential-5.0.51a-win32.msi

Part 2 - Installing JDK 1.5 update 16

1. Run the Java JDK installation program by running the following file:

C:\Software\jdk-1_5_0_16-windows-i586-p.exe

_2. The installation wizard will open. Accept the License Agreement and click Next.

🛃 J25E Development Kit 5.0 Update 16 - License	X	
License Agreement Please read the following license agreement carefully.	Sun.	
Sun Microsystems, Inc. Binary Code License Agreement		
SUN MICROSYSTEMS, INC. ("SUN") IS WILLING TO LICENSE THE SOFTWARE IDENTIFIED BELOW TO YOU ONLY UPON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS BINARY CODE LICENSE AGREEMENT AND SUPPLEMENTAL LICENSE TERMS (COLLECTIVELY "AGREEMENT"). PLEASE READ THE AGREEMENT CAREFULLY. BY DOWNLOADING OR INSTALLING THIS SOFTWARE, YOU ACCEPT THE TERMS OF THE AGREEMENT. INDICATE ACCEPTANCE BY SELECTING THE "ACCEPT" BUTTON AT THE BOTTOM OF THE AGREEMENT. IF YOU ARE NOT WILLING TO BE BOUND BY ALL THE TERMS, SELECT THE "DECLINE" BUTTON AT THE BOTTOM OF THE AGREEMENT AND THE		
 I accept the terms in the license agreement I do not accept the terms in the license agreement 		
InstallShield Cano	el	

____3. Leave the defaults on the Custom Setup screen and click **Next**.

📸 J2SE Development Kit 5.0 Update 1	6 - Custom Setu		×
Custom Setup Select the program features you want in	stalled.		Sun.
Select optional features to install from the installation by using the Add/Remove Progr	ist below. You can rams utility in the Co	change your choic ontrol Panel	e of features after
Development Tools Demos Source Code Public JRE		Feature Descrip J25E Developme including private will require 264 drive.	ition ent Kit 5.0, 9 JRE 5.0. This MB on your hard
Install to: C:\Program Files\Java\jdk1.5.0_16\ InstallShield			hange
	< <u>B</u> ack	<u>N</u> ext >	Cancel

___4. The software will start installing some of the components. Wait for it to complete.

👹 J2SE Dev	🛃 J25E Development Kit 5.0 Update 16 - Progress 📃 🗌 🔀		
Installing The prog	ram features you selected are being installed.	2	
15	Please wait while the Install Wizard installs J2SE Development Kit 5.0 Update 16. This may take several minutes.		
	Status:		
InstallShield –		_	
	< <u>B</u> ack. <u>N</u> ext >		

____5. Accept the defaults for the language support options and click **Next**.

🙀 J25E Runtime Environment 5.0 Update 16 - Custo	om Setup 🔀
Custom Setup Select the program features you want installed.	SUN.
The J2SE Runtime Environment with support for European optional features to install from the list below.	languages will be installed. Select Feature Description The J2SE Runtime Environment with European languages. This requires 131 MB on your hard drive.
Install to:	
C:\Program Files\Java\jre1.5.0_16\ InstallShield	Change
	Next > Cancel

____6. Accept the defaults for browser registration and click **Next**.

🙀 J25E Runtime Environment 5.0 Update 16 - Browser Registration	×
Browser Registration Select the browsers you want to register with Java(TM) Plug-In.	Sun.
Microsoft Internet Explorer	
You may change the settings later in the Java(TM) Control Panel.	
InstallShield < <u>B</u> ack <u>N</u> ext >	Cancel

____7. Wait for the installation to complete.

🙀 J2SE Runtime Environment 5.0 Update 16 - Progress		
Installing The prog	ram features you selected are being installed.	
1	Please wait while the Install Wizard installs J2SE Runtime Environment 5.0 Update 16. This may take several minutes.	
	Status:	
InstallShield –	< <u>B</u> ack <u>N</u> ext >	

8. Once completed, click **Finish**.



Part 3 - Installing MySQL 5.0.51

__1. From C:\Software, launch mysql-essential-5.0.51a-win32.msi

The Setup Wizard window will launch.

🖟 MySQL Server 5.0 - Setup Wizard 🛛 🛛 🔀		
	Welcome to the Setup Wizard for MySQL Server 5.0	
	The Setup Wizard will install MySQL Server 5.0 release 5.0.51a on your computer. To continue, click Next.	
	WARNING: This program is protected by copyright law.	
MySQL.		
< Back Next > Cancel		

____2. Click Next.

___3. The **Setup Type** window will appear. Select **Custom** as shown below.

🔀 MySQL Server	5.0 - Setup Wizard 🛛 🔀
Setup Type Choose the setup	type that best suits your needs.
Please select a se	etup type.
O Typical Common program features will be installed. Recommended for general use.	
O <u>C</u> omplete	II program features will be installed. (Requires the most disk pace.)
• Choose which program features you want installed and where they will be installed. Recommended for advanced users.	
	< <u>B</u> ack <u>N</u> ext > Cancel

___4. Click Next.

The Custom Setup window will appear.

🖟 MySQL Server 5.0 - Setup Wizard 🛛 🔀		
Custom Setup Select the program features you want installed.		
Click on an icon in the list below to change how a feature is in MySQL Server Client Programs C Include Files / Lib Files	Installed. Feature Description Installs the MySQL-server executables. This feature requires 23MB on your hard drive.	
Install to: C:\Program Files\MySQL\MySQL Server 5.0\		
Help < Back	Next > Cancel	

___5. Accept the defaults and click **Next**.

The Ready to Install the Program window will appear.

🖟 MySQL Server 5.0 - Setup Wizard		
Ready to Install the Program Image: Constallation for the wizard is ready to begin installation.		
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Current Settings:		
Setup Type: Custom		
Destination Folder: C:\Program Files\MySQL\MySQL Server 5.0\		
< <u>B</u> ack Install Cancel		

___6. Click Install.

The installation will start and the MySQL Enterprise window will appear

MySQL Enterprise		
A MySQL Enterprise subscription is the most comprehensive offering of MySQL database software, services and support to ensure your business achieves the highest levels of reliability, security and uptime. An Enterprise Subscription includes: 1. The MySQL Enterprise Server - The most reliable, secure, and up-to-date		
2. The MySQL Monitoring and Advisory Service - An automated virtual database assistant.		
3. MySQL Production Support - Technical and consultative support when you need it, along with service packs, hot-fixes and more.		
For more information click [More] or visit www.mysql.com/enterprise		
More	< Back Next > Cancel	

___7. Click Next.

The MySQL Monitoring and Advisory Service window will appear

MySQL Enterprise	
	L Monitoring and Advisory Service
Automated monitoring	AAA MAX keesk krupte fasteast Hoter
and notification of all your	Inter Const Const
MySOL servers	And And Press
MySQL Servers.	internet internet
0. 70.1.1.1.1.	
Over /0 database best	Annual Annua
practice rules ensure uptime	Ethandalist Elmanna IIII - 100
and fast performance.	A A A A A A A A A A A A A A A A A A A
	ANNE Reveal Interface In Territory Topy 1.5 and 1.001 Large Langes Rev Top Territory Top Territory Territary Territory Territ
. Export advice on how to fix	
Expert advice on now to fix	Construction on the Construction of Const
problems and improve	all and an and an and an and an and a second and and a second and a se
MySQL performance.	Sector and a continue of the sector and
For more information click	[More] or visit www.mysql.com/enterprise
More	<back next=""> Cancel</back>

___8. Click Next.

The Wizard Completed window will appear.



9. Make sure the Configure the MySQL Server now option is checked and click Finish.

The MySQL Server Instance Configuration Wizard window will appear.

MySQL Server Instance Configuration Wizard		×
	Welcome to the MySQL Server Instance Configuration Wizard 1.0.10.0 The Configuration Wizard will allow you to configure the MySQL Server 5.0 server instance. To Continue, click Next.	
MySQL.		
	Next > Cancel	

__10. Click Next.

___11. In the Instance Configuration window, select **Standard Configuration**.

MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration Configure the MySQL Server 5.0 server instance.
Please select a configuration type. C Detailed Configuration Choose this configuration type to create the optimal server setup for this machine.
 Standard Configuration Use this only on machines that do not already have a MySQL server installation. This will use a general purpose configuration for the server that can be tuned manually.
< Back Next > Cancel

___12. Click Next.

MySQL Server I	nstance Configuration Wizard 🛛 🔀
MySQL Server Instance Configuration Configure the MySQL Server 5.0 server instance.	
Please set the Install As	Windows options. Windows Service This is the recommended way to run the MySQL server on Windows. Service Name: MySQL Launch the MySQL Server automatically
Include Bi	n Directory in Windows PATH Check this option to include the directory containing the server / client executables in the Windows PATH variable so they can be called from the command line. < Back Cancel Cancel

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___13. Accept the defaults and click **Next**.

The Security options window will appear.

MySQL Server	Instance Configuratio	n Wizard	
MySQL Server Instance Configuration Configure the MySQL Server 5.0 server instance.			\bigcirc
Please set the	e security options.		
🗹 Modify Se	ecurity Settings		
	New root password:		Enter the root password.
root	Confirm:		Retype the password.
		Enable root a	access from remote machines
Create An	Anonymous Account This option will create an note that this can lead to	anonymous accour an insecure system	nt on this server. Please m.
		< Back	Next > Cancel

____14. For the **New root password** and **Confirm** fields, enter **password** and then click **Next**.

The Ready to Execute window will appear.

MySQL Server Instance Configuration Wizard	X
MySQL Server Instance Configuration	
Configure the MySQL Server 5.0 server instance.	
Ready to execute	
Write configuration file	
Start service	
 Apply security settings 	
Please press [Execute] to start the configuration.	
< Back C	ancel

___15. Click Execute.

The database will configure. This will take a moment. Eventually, you should see the following:

MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration Configure the MySQL Server 5.0 server instance.
Processing configuration
Prepare configuration
♂ Write configuration file (C:\Program Files\MySQL\MySQL Server 5.0\my.ini)
Apply security settings
Configuration file created. Windows service MySQL installed. Service started successfully. Security settings applied.
Press [Finish] to close the Wizard.
< Back [Finish Cancel

___16. Click Finish.

MySQL has been installed.

Congratulations. The installation of WA1652 JAX-WS Based Web Service Development Using Eclipse has been completed.