Software Eng Senior Design (EE41801_F15)

Lab#4: Install Mango, 10/12, 1%

Attention:

A. Use Java 6.

For Mac, download it from

https://support.apple.com/kb/DL1572?viewlocale=en_US&locale=en_US

For Windows and Linux, from

http://www.oracle.com/technetwork/java/javase/downloads/java-archive-downloads-javase6-419409.html

B. Mango uses Derby 1.6.1.0, which can be downloaded from the URL below:

https://db.apache.org/derby/releases/release-10.6.1.0.html

However, since we have packaged derby.jar from 1.6.1.0 with Mango source code, you DO NOT need to download it.

Derby Q&A: https://wiki.apache.org/db-derby/VersionInfo

Procedure:

1. Install Apache Ant, which is a build tool, by following the instruction on the URL below

http://ant.apache.org/manual/install.html

The Mango project uses ant to compile and deploy the resources to Tomcat.

2. Download Mango source code from **gitlab.camp.clarkson.edu**, by using the following command

```
git clone git@gitlab.camp.clarkson.edu:dhou/EE418Fall15-Mango.git
```

I have established a git project called EE418Fall15-Mango over there, and have added you as a guest member of the project, so you should be able to retrieve the source code using the git clone command above.

Be sure that you remember the location where you download the source code as you will need to work there for the remaining semester.

3. A new folder named **EE418Fall15-Mango** is created.

```
cd EE418Fall15-Mango
```

Go to this folder, and you will find one subfolder under it:
Mango1.12.3FromSF, and two zip files, **mangoDB.zip** and
mangoSource.zip.

unzip both and two folders will be created, mangoDB and mangoSource.

mangoDB is a Derby database that Mango relies on in order to run. Move
mangoDB and mangoSource to TOMCAT_HOME/bin.

Mango1.12.3FromSF/**Mango1.12.3FromSF** contains the source code for
Mango.

4. Build and deploy Mango

4a. cd **Mango1.12.3FromSF**/**Mango1.12.3FromSF**
4b. mkdir src_gen

4c. Edit build.properties and set tomcat.home= to the **absolute path of your
tomcat home folder.
IMPORTANT note for Windows users: make sure you use /, rather than
\, in the path above.**

4d. ant clean
      ant fullDeploy

4e. Start tomcat; this may take anywhere between 1 to 5 minutes as mangoDB
is large and it takes time to load.

4f. Launch Firefox browser. Type **http://localhost:8080/ArchFLoc**
You should see a login screen as follows. Type the credentials **admin/admin**
to log in.

My Mango M2M   ✕   12x863.pptx - 12x863X.pdf

⬅ ▣ 🌐 localhost:8080/ArchFLoc/login.htm

mango
Full Service M2M

User id		✅ **Firefox 41 on Mac**
Password		This browser is supported.
	Login ❓	

Grading summary

Hidden from students	No
Participants	11
Due date	Sunday, October 18, 2015, 12:00 AM
Time remaining	Assignment is due

View all submissions	Grade

◀ Lab#3 Java
Server Page (JSP)
5/10, 7/10 3%

Project Definition
and Tips for
Working with
Mango 11/30 ▶

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