EE368 Lab 4 - Mango Installation

Objective & Grading:

Install Mango on Windows or Ubuntu Linux successfully (5 points)

Packages:

TomCat 6.0.53 on Windows
Java 1.6.0_45 (make sure the variable JAVA_HOME and its bin path have been setup properly)
Ant 1.9.16

Procedure for Windows (a video will be provided for Ubuntu):

1. Install Apache Ant by unzipping the Ant package downloaded from the moodle, and set the variable ANT_HOME for the path.

Note: The Mango project uses ant to compile and deploy the resources to TomCat.

2. Download Mango and MangoDB source codes from Moodle.

3. Unzip the source codes to two folders: mangoDB and mangoSource. mangoDB is a Derby database that Mango relies on in order to run.

4. Build and deploy Mango

4a. change to Mango home folder

4b. mkdir src_gen

4c. Edit build.properties and set tomcat.home= and db.url= to the absolute path of your folders. Set tomcat.appdir=mango and tomcat.apppath=/mango

IMPORTANT note for Windows users: make sure you use /, rather than \, in the path above. Also, any file with the extension file name properties.txt must be changed to properties. For example, build.properties.txt should be build.properties

4d. ant clean
    ant fullDeploy

Note: you may need to copy catalina-ant.jar from TomCat's lib folder to Ant's lib folder

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

4f. Launch your browser. Type http://localhost:8080/mango and you should see a login screen as follows. Type the credentials admin/admin to log in.
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