

QAT Global Code Sample

WebDaptive

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1 Introduction

As part of QAT training, we are developing several code samples. These code samples illustrate various technical as well as business aspects. These samples will help the developer get a quick understanding of the technology and framework. This will considerably reduce the learning time. The samples can be used as a reference to develop the application.

1.1 Pre-requisites

- Working with your instructor or mentor download the following:
 1. Download the latest “Windows 7 - Java QAT” VMImage (ask your mentor download location)
 2. Configure your Eclipse IDE per the QAT instructions.
 3. Acquire the sysmgmt-* projects from SVN or local file server or tech-lead/instructor. If downloading from SVN these projects are normally located under the trunk/Samples folder: sysmgmt-*
 4. Locate the “doc” folder in the project and open the word document and follow all instructions to get the sysmgmt sample build, tested and deployed.
 5. Acquire the webdaptive-* projects from SVN or local file server or tech-lead/instructor. If downloading from SVN these projects are normally located under the trunk/Java/Frontend folder: sysmgmt-*

1.2 Building the WebDaptive - Java project

Note when you first open the projects and if Eclipse tries to build them the build will fail since all the dependencies cannot be resolved at this time until they are first built and published.

In addition you will see IVY errors related to not being able to resolve certain dependencies defined in the project classpath.

This is okay since all the various projects and dependencies have not yet been built so the first thing you will need to do is build the projects.

1.2.1 Building and publishing for the first time

In order for IVY dependency management to work we need to build the projects and then publish them to a local IVY repository which will be located on your development machine. This in turn enables the dependency management capabilities of IVY to be leveraged in order to build the rest of our projects.

The project source is preconfigured with all the XML files and you should not have any problems in building and deploying the project if you have strictly followed the configuration. Follow these steps to build the project.

1. Locate the buildWar.ant.xml file under the build folder.
2. Right click on the buildWar.ant.xml file. Select, Run As-> Ant Build file.
3. It will build the project and the war file.

4. Your build should be successful and the war file can be found under the “dist” folder.

The webdaptive-test project.

1. You will notice the test project does not have an ANT build script. With this project all you need to do is perform a build under Eclipse for everything to work prior to executing any tests. You may have to perform an IVY Resolve as mentioned above.

If after doing this any of the projects are still failing to build under Eclipse then right-click on the project and select IVY→Resolve.

2 Deploying and testing

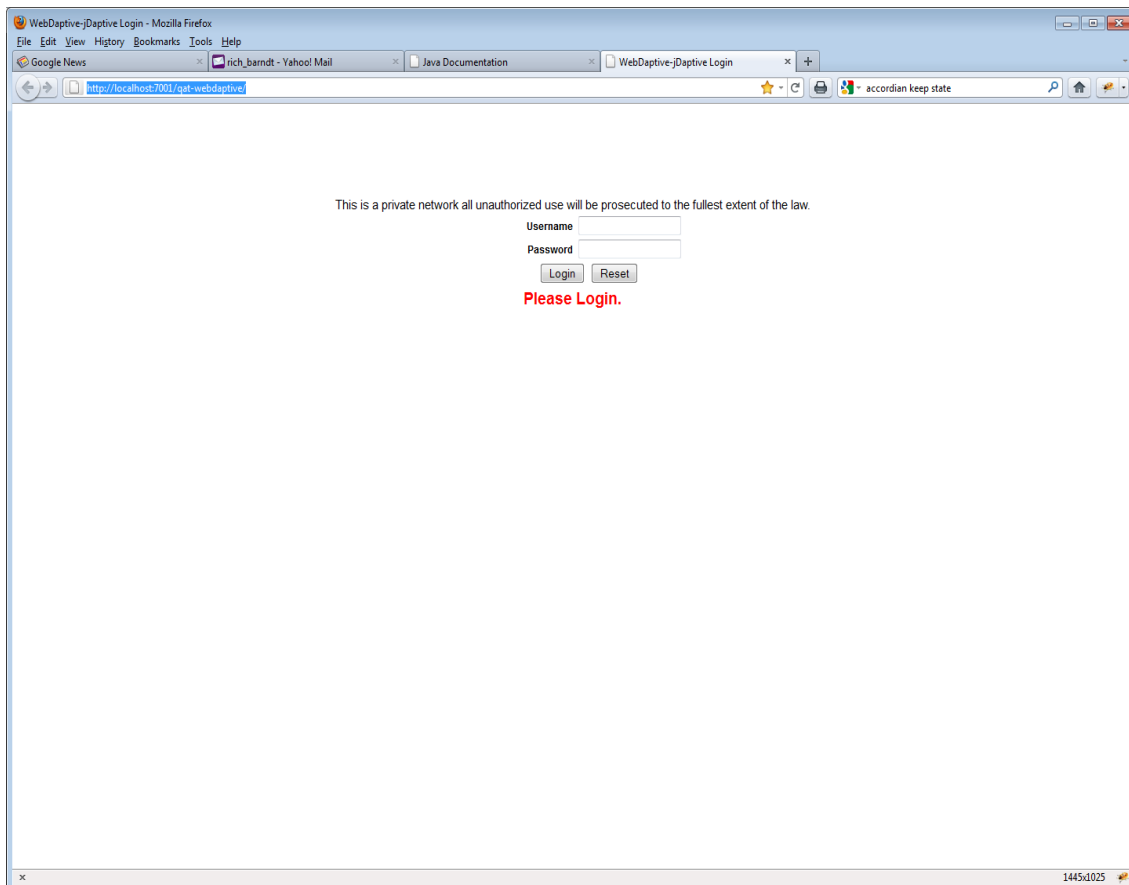
2.1 Deploying

Copy the qat-webdaptive.war to either the tomcat or jboss hot deploy directories

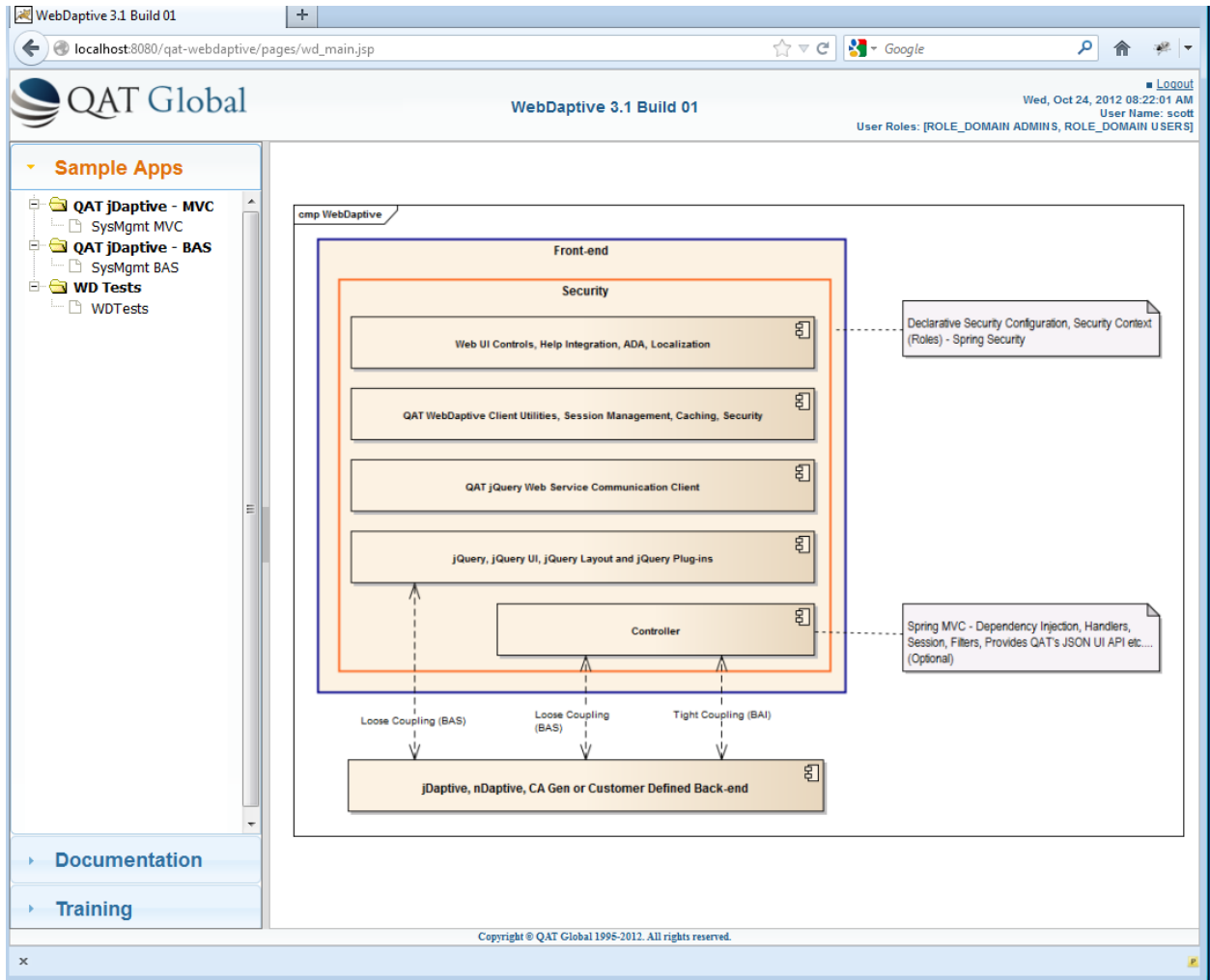
Wait 30 seconds....then proceed to section 2.2

2.2 Testing

1. Open IE, FireFox and Chrome Browser to <http://localhost:8080/qat-webdaptive/>
2. You should see the following: (If you do not ask for help from your mentor).



3. Type in “scott” for username and “wombat” for password and press login. If all goes well you should see the following:



4. Select/Click on “SysMgmt MVC” from tree menu and you should see the following:

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WebDaptive 3.1 Build 01

Logout
Wed, Oct 24, 2012 08:22:47 AM
User Name: scott
User Roles: [ROLE_DOMAIN ADMIN, ROLE_DOMAIN USERS]

Sample Apps

- QAT jDaptive - MVC
 - SysMgmt MVC
- QAT jDaptive - BAS
 - SysMgmt BAS
- WD Tests
 - WDTTests

Documentation

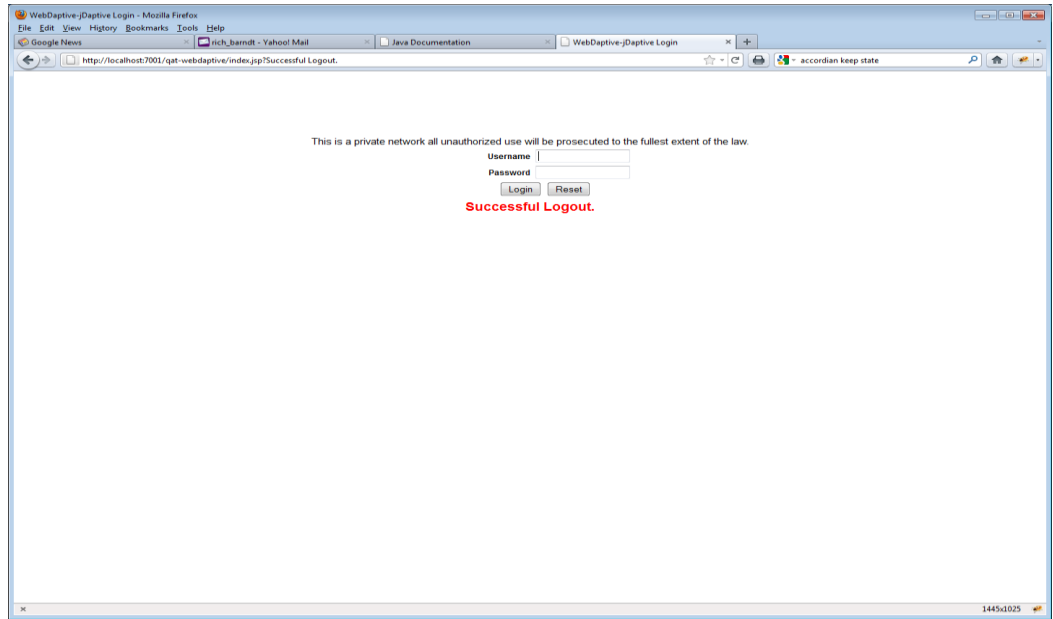
Training

Counties MVC | Counties MVC BAI | Counties MVC BAS

| County Id | County Description |
|-----------|----------------------|
| 0 | fetch description 0 |
| 1 | fetch description 1 |
| 2 | fetch description 2 |
| 3 | fetch description 3 |
| 4 | fetch description 4 |
| 5 | fetch description 5 |
| 6 | fetch description 6 |
| 7 | fetch description 7 |
| 8 | fetch description 8 |
| 9 | fetch description 9 |
| 10 | fetch description 10 |
| 11 | fetch description 11 |
| 12 | fetch description 12 |
| 13 | fetch description 13 |
| 14 | fetch description 14 |

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5. Select/Click the various tabs and notice the results.
6. Repeat these steps for the SysMgmt BAS tree item
7. Select/Click on "Logout" link from the top right-corner and you should see the following:



8. You should be able to perform all these steps and review all the tabs without any errors. When you are done contact your instructor/mentor.
9. In order to see WebDaptive Mobile and responsive design you will need to either use different browsers & platforms (iPhone, Android, Tablet etc..) or you can switch your desktop's user agent. In order to switch user agents (like to ios or android) in chrome follow the following directions: <http://googlesystem.blogspot.com/2011/12/changing-user-agent-new-google-chrome.html>