WebMVC (Freemarker) UI

About WebMVC (Freemarker) UI

WebMVC is new user interface for DSpace built on top of Spring's WebMVC framework. The goals of the project is to write the user interface in a clean technical implementation, with business logic removed from the presentation layer.

At the presentation/view layer, any number of technologies could have been used including JSP's, however the current implementation in the WebMVC project is to use Freemarker, a templating language.

It has extensive theme support, and allows different themes to be applied to different areas of a repository.

Development is ongoing, and as an open project, it could always use assistance. Fork this project on GitHub, and start contributing today: https://github.com/DSpace/webmvc

Issue tracking will be done in GitHub Issues.

The old Jira issue tracker for this project is still up, but we are no longer adding issues there: https://jira.duraspace.org/browse/DWMVC

This project also has its own GSoC 2011 Student Project: GSoC 2011 - DSpace WebMVC

Getting Started

WebMVC is a module add-on to DSpace. The instructions below will guide you how to check out a stable release of DSpace, and alter it so that it references the WebMVC project into its build process.

Checkout the source code.

```
mkdir project-webmvc
cd project-webmvc
svn checkout http://scm.dspace.org/svn/repo/dspace/tags/dspace-1.7.1/dspace/
git clone git://github.com/DSpace/webmvc.git
```

Edit ~/project-webmvc/dspace/pom.xml and add an entry for webmvc.

```
Index: pom.xml
===================================================================
--- pom.xml        (revision 6625)
+++ pom.xml        (working copy)
@@ -505,6 +505,7 @@
-->
<modules>
<module>modules</module>
+        <module>../webmvc</module>
</modules>

<build>
```

Compile everything, and add the war for freemarkerui to Tomcat

```
cd ~/project-webmvc/dspace
mvn package
sudo mkdir /dspace
sudo chown dspace:dspace /dspace
cd target/dspace-1.7.1-build.dir
ant init_configs
ant update

## Add the .war to tomcat, there are many ways of doing this.
sudo cp ~/project-webmvc/webmvc/freemarkerui-webapp/target/dspace-freemarkerui-webapp-1.7.0-SNAPSHOT.war /var
/lib/tomcat6/webapps

## Edit your dspace.cfg to have your bootstrapping database configs (i.e. dbname, password)
vi /dspace/config/dspace.cfg

/etc/init.d/tomcat6 restart
```

Test it out in your browser

```
/opt/google/chrome/google-chrome http://localhost:8080/dspace-freemarkerui-webapp-1.7.0-SNAPSHOT
```

Screenshots

Some examples, of what is currently available.

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Additionally, WebMVC has multiple themes (Mirage and Kubrick), the default theme is Oasis.