With the architecture, the exercise includes 2 main parts: server & client. With the server, we use Tomcat 7 as servlet container & we also use Spring (core, context) with Hibernate integration.

To support the server-client communication, HTML5 server-sent event is used. We also use Jersey 2.0 as RESTful web service provider. For the database, MySQL is used.

With Hibernate, ORM & transaction manager are applied.

If you look at the screen, you can see the directory structure of server as following:

In the client, it is built on top of AngularJS - an MVC framework – HTML5, CSS3. To build the widgets, we base on Angular Bootstrap & ng-grid. For file uploading, ng-upload is used. Localization is also supported.

To communicate with the server, REST mechanism is used. The support of Real Time Update is based on HTML5 server-sent event mechanism.