

Overview.

This document focused on the development process

Spring-Boot

The application was developed using Spring Boot and implemented the restful apis outlined in the *design.pdf*

It has been developed against an HSQL database, and the DEV and TEST environments (see *application.properties* and *application-<ENV>.properties* for more details) are configured to use that persistence layer. In DEV, when the application is started, the contents of *import-data.sql* are imported into the HSQL database to provide some start up sample data

All the Integration Tests have been run against HSQL

By switching the environment to PROD in *application.properties* and configuring the appropriate settings for MySQL, the application will operate against that database.

There are scripts to create the schema and insert data in MySQL at *resources/mysql* – see *readMe.txt* for more about how to create the database entities in MySQL.

Controllers

There are 3 controllers, the most interesting is *EarthquakeController* which, via *Configuration* in *SecurityConfig* and using a spring *UserDetailsService*, is set up to only allow authenticated users to use the *POST* to create new earthquakes