1. **REQUIREMENTS**

+ Jdk 10

+ IntelliJ IDEA IDE

+ NodeJS 8+

+ Apache Tomcat 9

1. **QUICK STARTED**

+ Start MongoDB service using command:

"D:\MongoDB\Server\3.6\bin\mongod.exe" --dbpath "C:\database"

Where "D:\MongoDB\Server\3.6\bin\mongod.exe" is path to monogod.exe located in MongoDB installation directory while "C:\database" is path to database server directory.

+ Browser to db\_script folder, and run command:

Npm install

Then:

Npm start

For more information, please look into file index.js  
+ Then start IntelliJ IDEA and import Maven dependencies

+ Config tomcat

+ Run server

1. **PROJECT STRUCTURE**

+ src

+ main

+ java

+ com.swd [package]

+ config [contains config class for db or const variable]

+ entities [contains the entity class used in models]

+ models [contains the model to manipulate the db]

+ security [contains config for Spring Security]

+ utilities [Utilities class for storage services,..]

+ controllers [contains controllers to handle request]

+ com.demo [demo package] [only used for reference]

+ webapp

+ uploads [contains all uploaded files]

+ resources [contains resources]

+ swd

+ js [contains javascript files used in .jsp]

+ css [contains css files used in .jsp]

+ demo [demo resources folder] [only used for reference]

+ WEB-INF

+ jsp [contains views]

+ dispatcher-servlet.xml

+ web.xml

+ web-config.xml

+ web-security.xml

**Notes:** yellow: folder

green: file

1. **PROJECT CONFIGURATION**

**Modify 2 files:** web-config.xml and web-security.xml to match the environment and project structure

**Eg:** in web-config.xml, change the base package scan path