

Design Document

Database Schema

1. Create text file containing SQL "create table" statements
2. Run create table statements using "DB Browser for SQLite" (<https://sqlitebrowser.org>), or using the "sqlite3" terminal-based SQLite console.

Javadoc

1. Create "stubs" for your Model classes, Data Access classes, Service classes, and Request and Result classes. Include public constructors, methods, and fields (if any)
2. Put Javadoc comments on each class, field, and methods that are not getters/setters.

Generating Javadoc in Android Studio or IntelliJ

1. Select packages to you want Javadocs for
2. Select Tools -> Generate JavaDoc...
3. Select output directory
4. Select "private" on the private/package/protected/public scale
5. De-select "Include test sources"
6. Click OK. Javadocs will be in the specified output directory.

Publish DB schema file and Javadocs on the web somewhere (e.g., in your CS home directory)

1. Generate javadocs, zip them up in a zip file
2. Go to your "public_html" directory
3. Create sub-directory named "fms-design"
4. Put your DB schema text file in the "public_html/fms-design" directory (e.g., public_html/fms-design/dbschema.txt)
5. Copy your javadocs zip file into the "public_html/fms-design" directory, and unzip it
6. cd to your public_html directory, and run the command "chmod -R 0755 fms-design"
7. Open the following URLs in a web browser to make sure they are working:
 - a. <https://students.cs.byu.edu/~yourusername/fms-design/dbschema.txt>
 - b. <https://students.cs.byu.edu/~yourusername/fms-design/javadocs/index.html>
8. For more information, see the following web site tutorial:
<https://docs.cs.byu.edu/doku.php?id=website-setup-and-configuration>
9. Send an email to the TAs containing:
 - 1) Your name
 - 2) The URL of your SQL text file
 - 3) The URL of the index.html file for your Javadoc documentation
 - 4) The name of your professor
cs240ta@cs.byu.edu