

Necessities and How-To Run

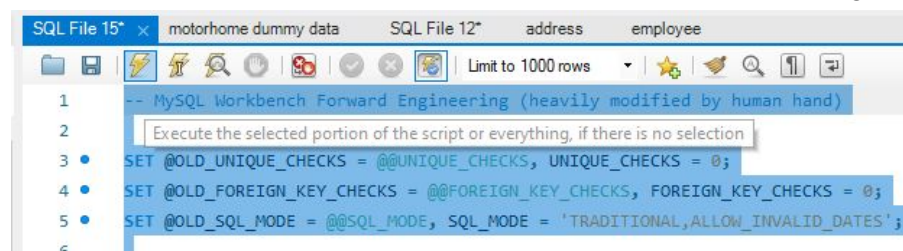
The following section is a guide that first describes what software is needed to run the prototype application, and then how to install, start and get the system running. The guide provides information both on how to set up the database and the Java-based part of the system.

Required Software

- Windows 10 (v. 1903 or higher)
- Java Runtime Environment 8 or higher (a JDK will do as well)
- MySQL (with Workbench)

Step by step setup

1. Download the zipped version of the application from:
<https://github.com/kiancn/motorhomesite/blob/DAOImplementation/src/main/resources/zipped/MotorhomeSite.zip>
2. Unpack the content of the file in C:\Program Files\
 - a. So that the absolute path of the unpacked content is:
C:\Program Files\MotorhomeSite
3. Navigate to this folder and open the sub-folder Database. It contains two .sql files. motorhome.sql contains the DDL for the database, while motorhomedata.sql contains the DML to populate the database with dummy data. Open these in Notepad, or simply keep the folder open.
4. Open MySQL Workbench and open a connection, using a user that has privileges to create and update databases.
5. Open a new SQL tab for executing queries, and copy the content of motorhome.sql into it. Select all lines in the script and press the lightning icon:



6. Delete all content from the SQL tab, and write the command:
use motorhome;
Select the line and press CTRL+Enter, to execute command. Delete the line.
7. Copy all content from motorhomedata.sql to the SQL tab, select all lines and press the lightning button (like step 5).
If everything has gone well, the database and associated dummy data will exist on your system.
8. With your file manager, navigate to C:\Program Files\MotorhomeSite and open the file application.properties file (ex. in notepad). The content of that file

should look like this:

```
1 db.url=jdbc:mysql://localhost:3306/motorhome?useJDB
2 db.user=
3 db.password=
```

- a. In line 1, change the port number to match the port number that you have the open database connection on.
 - b. Line 2 and 3 require that you set your own matching user and password credentials for access to the database (DDL level privileges not needed, but INSERT, DELETE, SELECT, and UPDATE are).
 - c. Save the file. Close the editor.
9. Navigate to your C:\Program Files\MotorhomeSite folder and execute the batch file LaunchSite.bat. This launches the application, and opens a browser directed to localhost:8080, where the application can be reached.