Concoctions

Written by

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Requirements

1. Java 11+ (we like sdkman to manage our java)
2. Docker ***OR*** MySql
3. A can do attitude

Running

First, just go ahead an unzip `[insert zip file name here]` and cd into the new folder.

Database

--- Docker

If you to dockerize the DB, from the main project directory run:

```
docker-compose -f ./docker/docker-compose.yql up --build -d
```

--- Local MySQL

If you want to create and initialize the database yourself, run the sql files `01_init.sql` and `02_starterData.sql` in your MySQL instance.

Backend/Frontend

--- Jars

Both the backend and frontend are packaged in fatjars, so the only thing you need install is Java 11+. So, from the main project folder, go ahead a run:

```
java -jar [insert final backend jar file here]
```

and in a another terminal (unless you're running `nohup`)

```
java -jar [insert finale frontend jar file here]
```

--- Compile and run

Both projects are using maven so make sure that's insalled. Then, `cd` into either sub-project's folder and run

```
mvn clean
mvn package
```

`mvn package` will create a jar file in the sub-projects `target` directory.

For the backend, there will only be one jar to run, so just `java -jar [new_jar_file].jar` that file.

For the front end, you'll see two jars, so you'll want to run the jar that's appended with `with-dependencies.jar`

Technical Specifications

Database

The database is a MySQL database

Backend

The backend uses a java with libraries like Spring to simplify communication with the MySQL server and create a simplified API over http (using a *rest like* protocol. . . .though it's very *not* rest).

Frontend

The frontend uses java to create a CLI as a client for the backend api.