

## READ ME Assignment 8

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This READ ME is to describe how to run assignment 8 for testing.

### 1. Application

- a. In the resources folder under main, open the database.properties file. There are two properties: javaDbUrl and hsqldbUrl. Change these to point to the derby and hsql databases based upon where this project is downloaded to. There are paths already existing based upon how this project is located on my machine as a guide.
- b. Execute ./gradlew build when in the application folder and put war file in webapps folder of tomcat(Executing build will also execute unit tests) - it assumed the war file is left as application.war. The war file is located under build/libs.
- c. Launch tomcat

### 2. Running application

- a. To create a patron go to localhost:8080/application/MakePatron.html. There is a html form to fill out that will create a patron in the database. This will utilize the REST endpoint from assignment 7. After submitting, you will be redirected to localhost:8080/application/patron.html where you will receive a message for the outcome of creation. You can leave entire form blank and just click submit since all fields have default values for testing.
- b. To return an item go to localhost:8080/application/ItemBack.html. There is a html form to fill out the branch item id to return. You can just click submit and the form has the default id of 2 to be returned. Or you can use ids 2, 3, 7, 8, 11, or 12. These are branchitems that have been checked out but not yet returned. After submitting you should be directed to localhost:8080/application/item.html. This will use a different endpoint that is not used/visible to the other remoting clients since they are using different addresses and endpoints.

Note that if an item is returned that is not matching an item that is checked out then there will be message the item was not successfully returned.

All transactions can be verified in the database.