**Assignment 6**

CIS3007 - Enterprise Solutions Project

Project installation Instructions

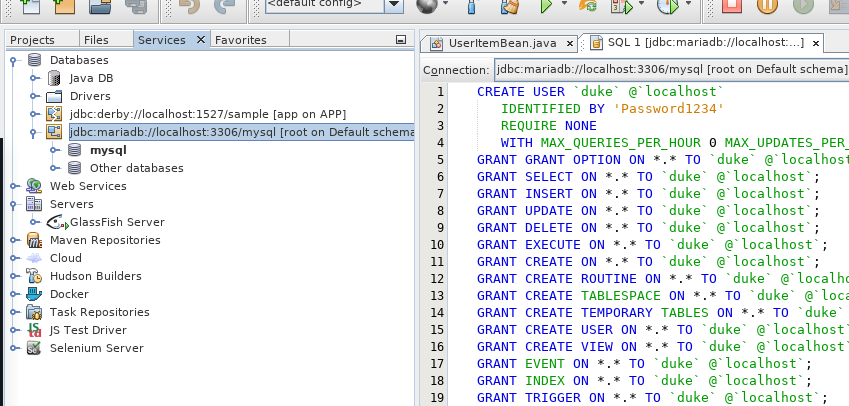
*Note: These instructions assume that Netbeans, JDK1.8 and Glassfish have already been installed.*

1. Download and install MariaDB from <https://mariadb.org/download/>
2. Install MariaDB as per instruction on the site, **take note of the password for root**.
3. Download the maria db jar file here - https://downloads.mariadb.com/Connectors/java/connector-java-2.4.4/mariadb-java-client-2.4.4.jar
4. Save downloaded file to Glassfish domains lib folder. {*Your Glassfish install location*}\GlassFish\_Server\glassfish\domains\domain1\lib
5. Run NetBeans in the left-hand panned select Services tab > databases > drivers, Right click and add new driver, select the maria db jar file. Enter a driver name MariaDB.
6. In the services tab in NetBeans right click on databases and select new connection. select the MariaDB driver from the drop down and click next. Enter the password for root and click test connection. The JDBC URL should be: jdbc:mariadb://localhost:3306/mysql click finish.
7. The new connection should be visible under databases.

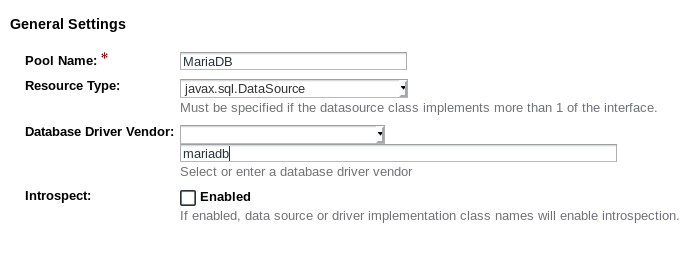
Right click the database and click connect.

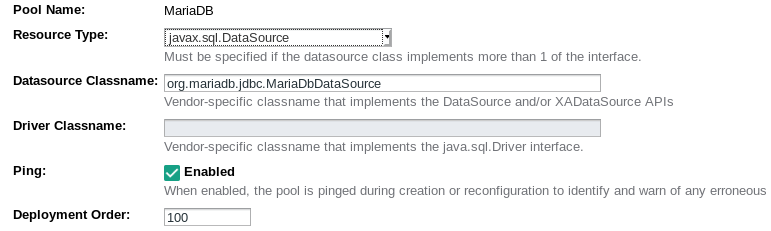
Right click the database click “execute command”

Run the database script provided (dukes\_books.sql) to create the dukes bookstore database: Paste the code to create the dukes database into the SQL command page and click the Run SQL icon or press Ctrl+Shift+E.

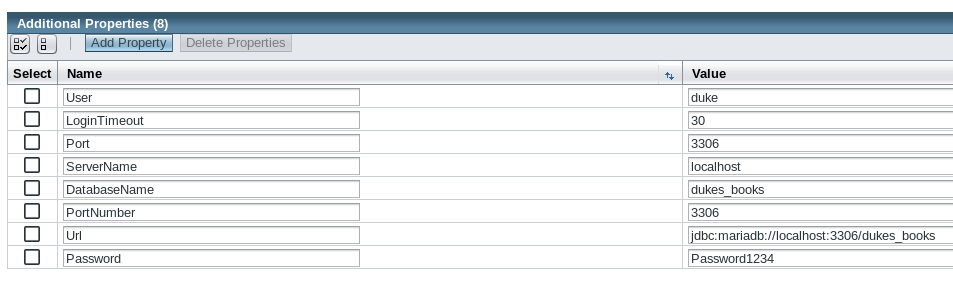


1. In the Services tab right-click the Glassfish and start it. Once started right-click “View Domain Admin Console”
2. In the GlassFish Administration Console, using the navigation tree navigate to Resources, JDBC, Connection Pools.

* In the JDBC Connection Pools frame click New. You will enter a two step wizard.
* In the Pool Name field under General Settings MariaDB, select javax.sql.DataSource as the Resouce Type from the drop-down list-box,
* Enter mariadb as the Database Driver Vendor and click next.
* Make sure the DataSource DataSource Classname is org.mariadb.jdbc.MariaDbDataSource, and the Resource Type is: javax.sql.DataSource



* Scroll down and fill out additional properties.



User: duke

port: 3306

password: Password1234

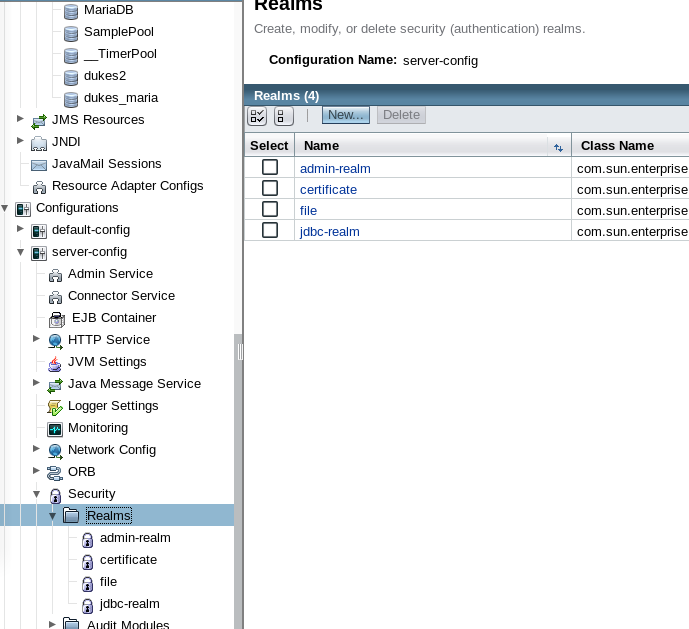
database: dukes\_books

url: jdbc:mariadb://localhost:3306/dukes

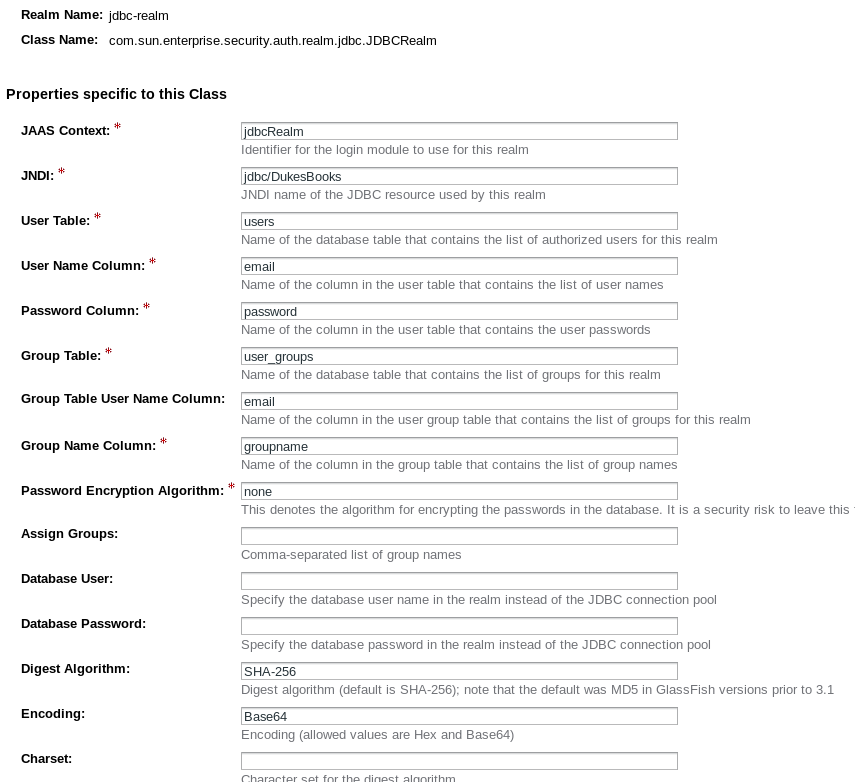
* Click finish

1. In Glassfish go to JDBC Resources and select new
2. Enter name for JNDI jdbc/DukesBooks select the mariaDB connection pool created in the last steps click ok
3. Goto configurations > server-config > security > realms

* Add new name = jdbc-realm



* Select com.sun.enterprise.security.auth.realm.jdbc.JDBCRealm
* Fill out the information as shown in the Picture

JdbcRealm

jdbc/DukesBooks

users

email

password

user\_groups

email

groupname

none

SHA-256

Base64

1. Unzip the project zip file and open dukes-bookstore in NetBeans, Clean and Build then run.