

Installation Guide

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Setting up the database

The application assumes the use of the MySQL RDBMS. First start the MySQL service and connect to your MySQL server:

```
sudo service mysql start  
mysql -u yourusername -p
```

The application uses the 'jforum' database so next create this database in your MySQL server by executing the following query:

```
CREATE DATABASE jforum;
```

Next we will create the tables and populate them. To do this you will need to execute the 'migration.sql' script inside the install directory:

```
mysql -u yourusername -p -h localhost jforum < migration.sql
```

Setting up the server

This project assumes the use of the GlassFish 4.1 application server. The application uses non-default jdbc-connection pools and jdbc-resources and as such you will need to import the project GlassFish domain configurations. To do this, copy the 'domain.xml' file in the install directory into:

```
<GlassFish install Directory>/glassfish/domains/<your domain>/config/
```

Next, you will need to change the jdbc-resource username and password parameters. This can be done through the admin console by going to <http://localhost:33648> and selecting JDBC -> JDBC Resources -> jdbc/mysql from the common tasks navigation. There you will need to change username and password parameter values to your MySQL server username and password. Also ensure that you have the jms/ConnFactory JMS resource connection factory as well as the jms/JForumReplyQueue and jms/JForumRequestQueue JMS destination resources.

Setting up the server

Lately, you will need to open the project in NetBeans and deploy it to the application server. To do this, open NetBeans and open the 'jforum' project from the menus. Next start the GlassFish application server and then deploy the application by right clicking the 'jforum' project and selecting deploy. Finally, to test the deployed application go to <http://localhost:8080/jforum/home>. A demo account has been created for testing; Username: demouser Password: dms2016