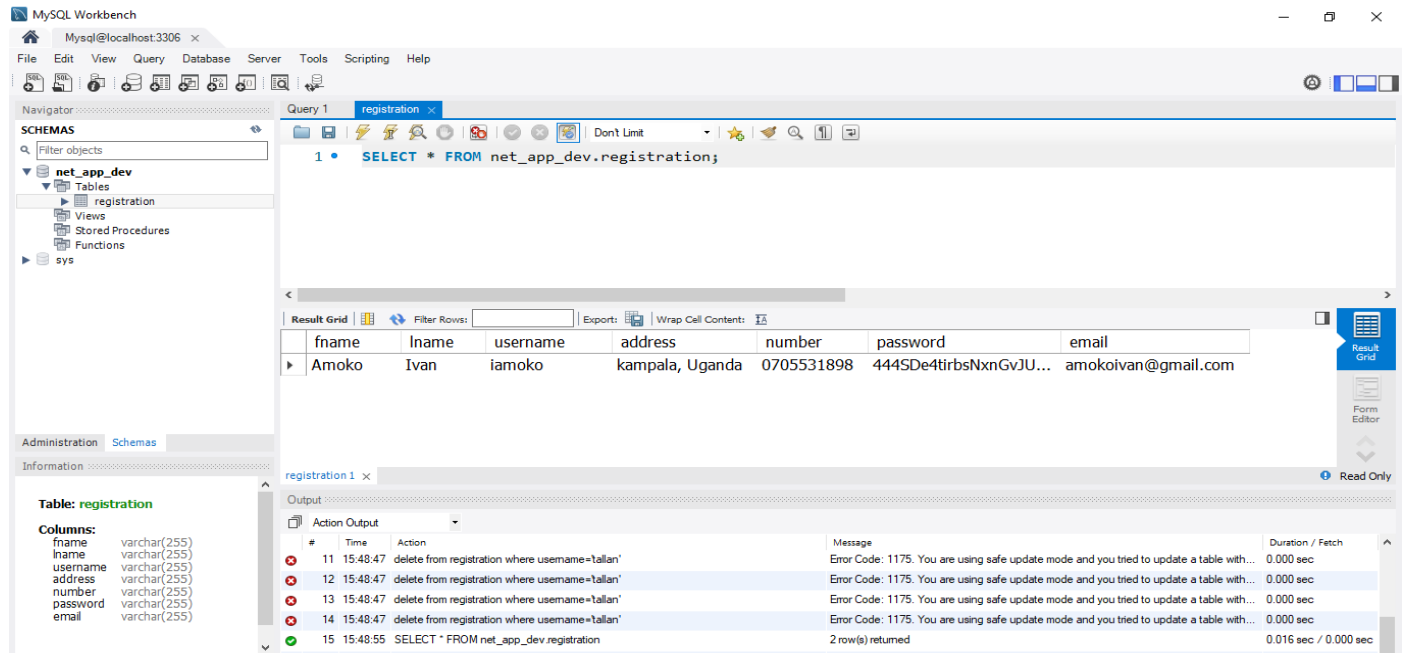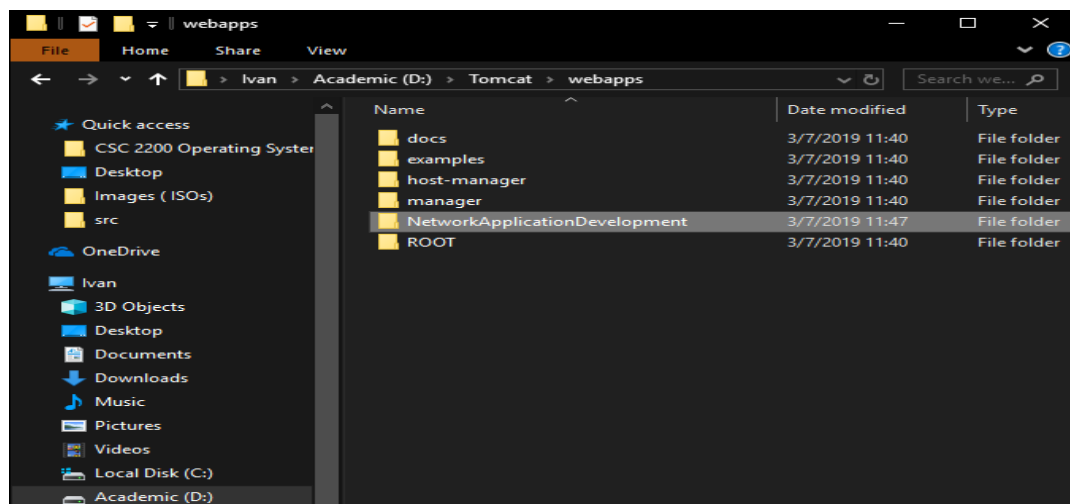# System Guide

Create a DATABASE **net_app_dev** using MYSQL workbench with a table **registration** having the columns as displayed in the screenshot;
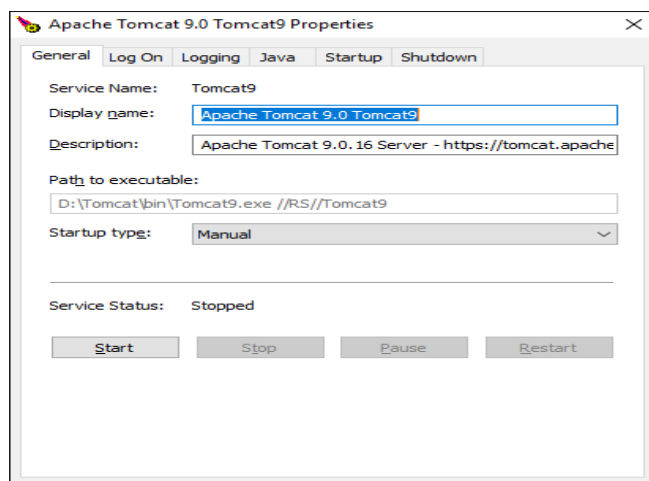

Install tomcat server into your Computer,

Navigate to it's installation folder, open webapps folder, paste the project folder in that directory as shown;
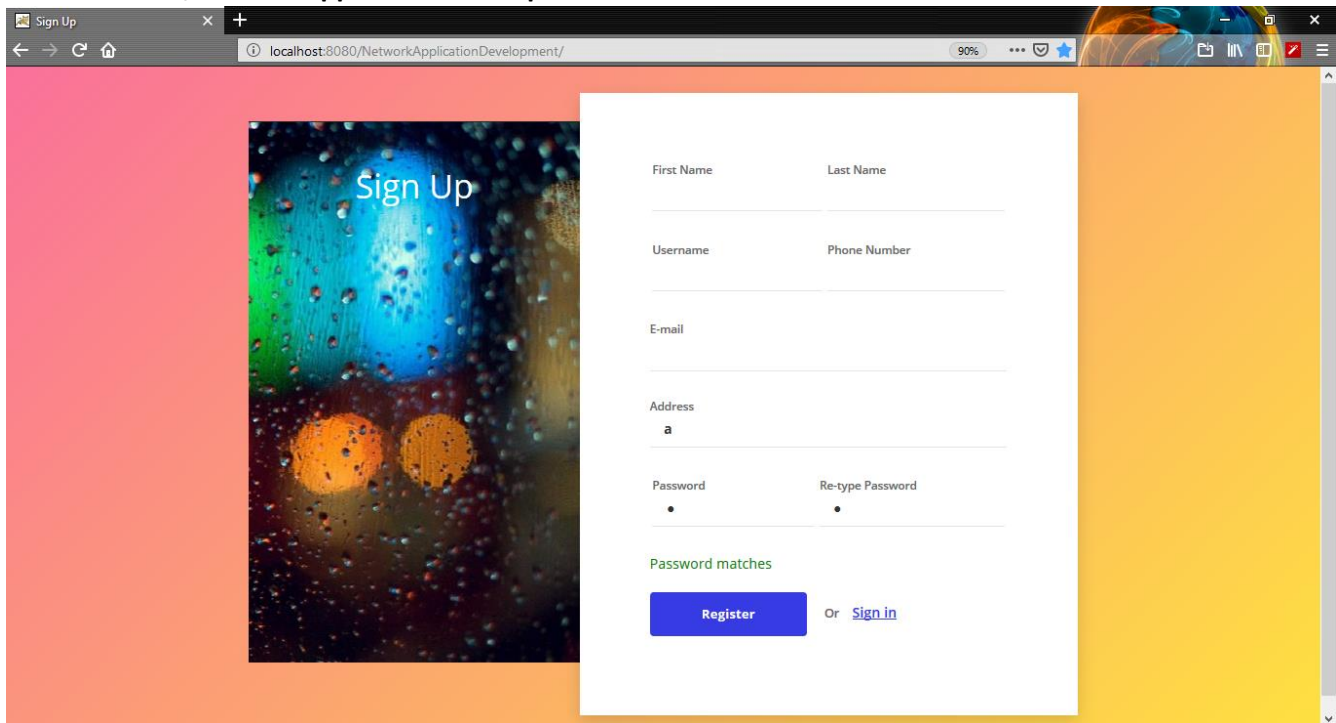

Start running the tomcat services

Open your browser and type the URL

localhost:8080/NetworkApplicationDevelopment
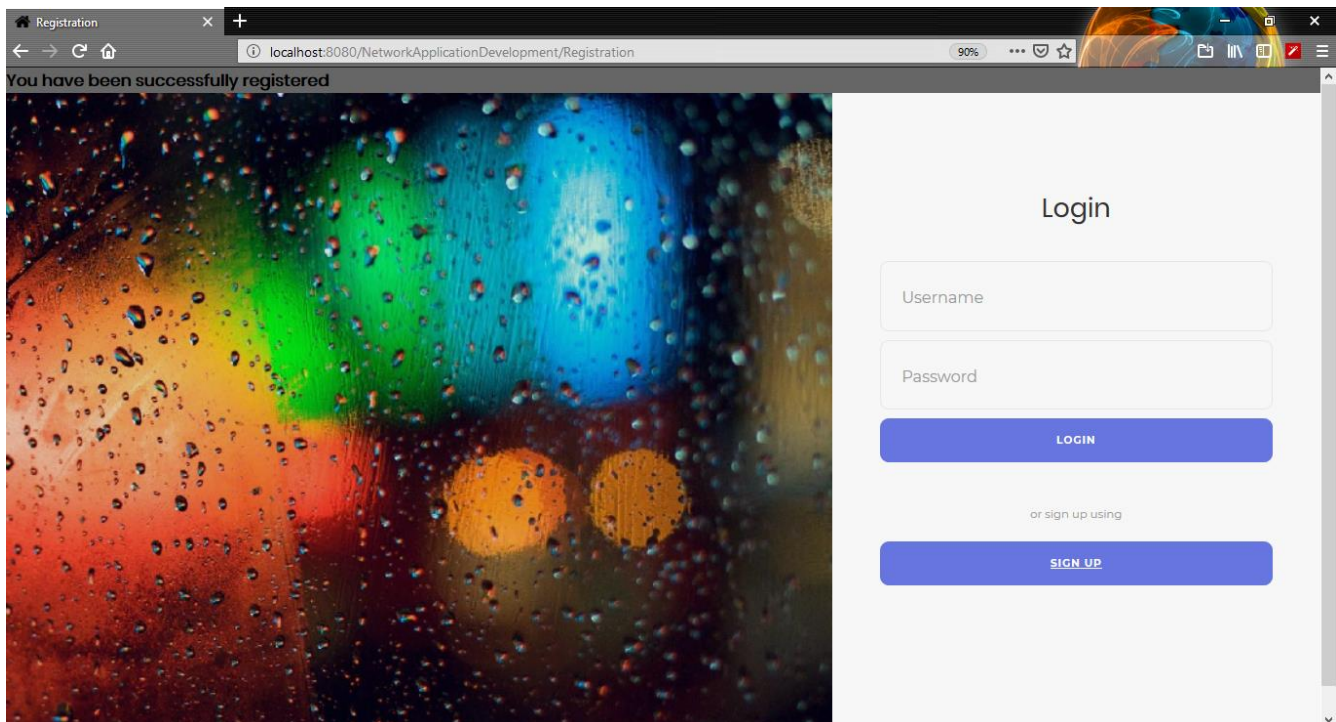

The registration form will be displayed

You can register using this form

Information insert into the registration form on registering the user, it is uploaded into the database table.

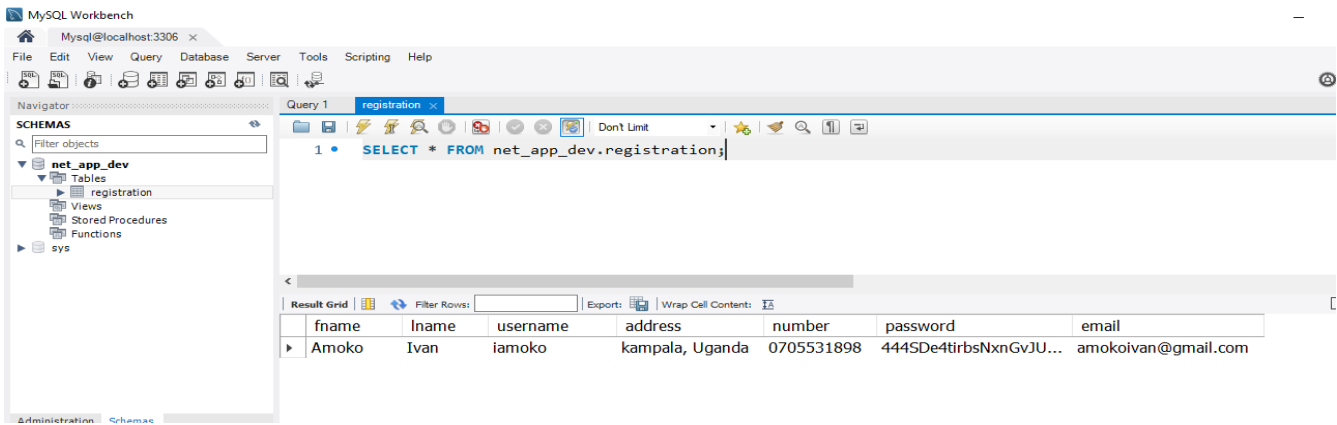This information is used while logging in.

On successful registration, you are redirected to the Login page of the Registration servlet, this can be seen in the URL

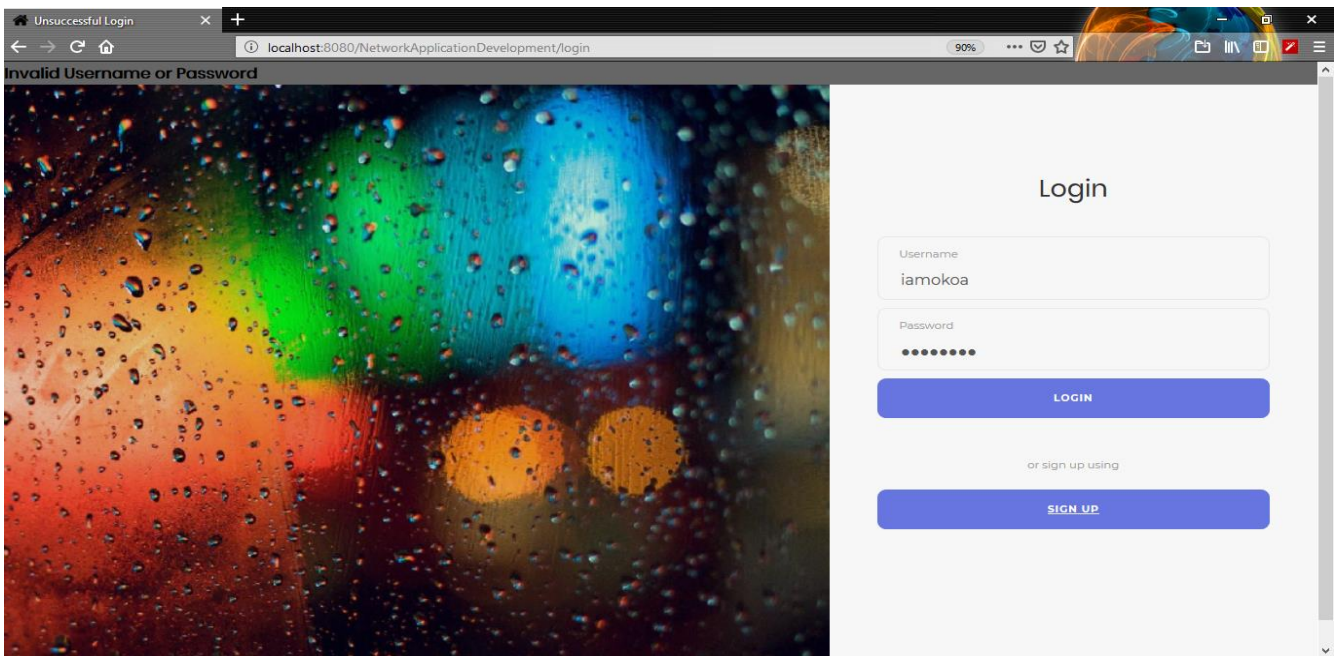Ends with the word "registration" meaning that it's the registration Servlet

The user password is encrypted using the Advanced Encryption Standard (AES) written in java as shown in the database information

So, using the information you submitted while registering, use the username and it's corresponding correct password, otherwise you'll get an error as show below.

For a successful Login, a session for the user is created and the user is redirected to the welcome servlet using the RequestDispatcher implemented by the HttpServlet Context, as shown below.
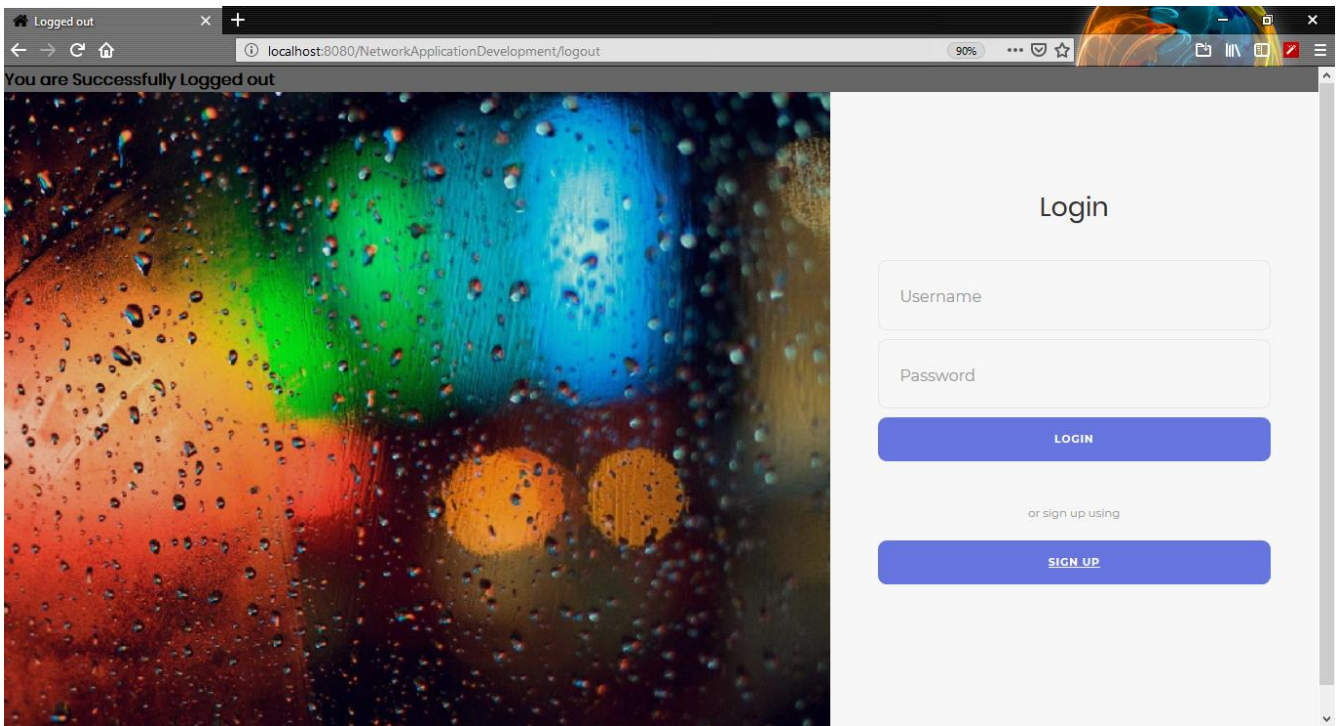
Information of only that specific user is displayed

When the user clicks on Logout, he/she is redirected to the logout servlet which show a "success logout" info including the login page included using the **RequestDispatcher**

The user Session is destroyed, in clicking back, the user is requested to login again