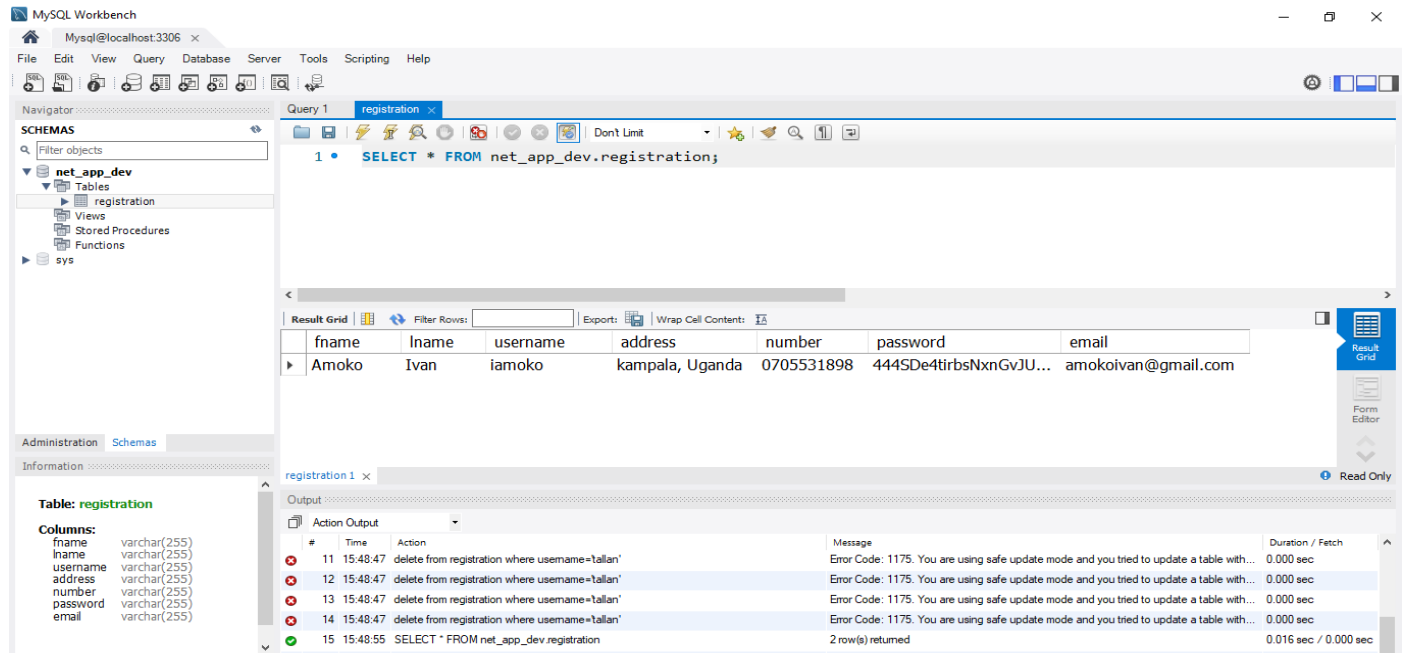


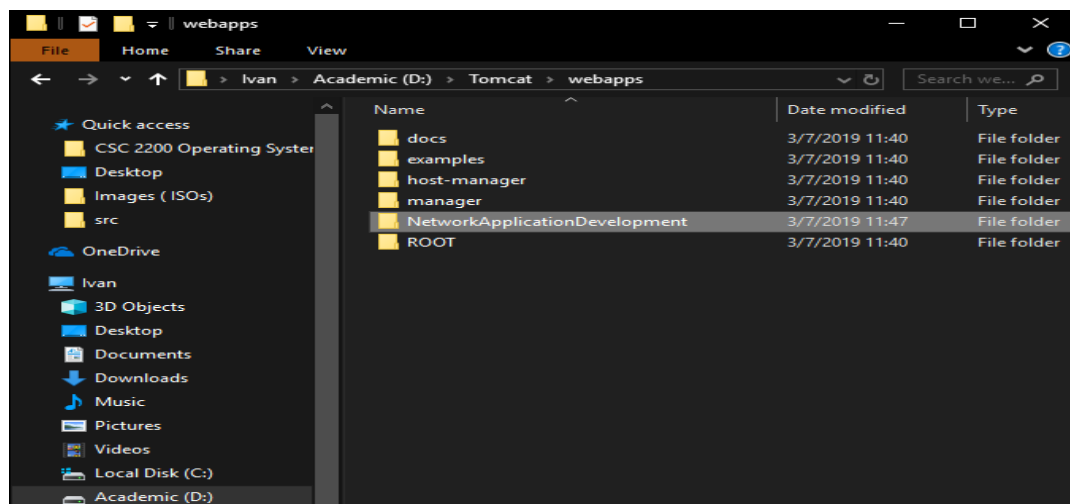
System Guide

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

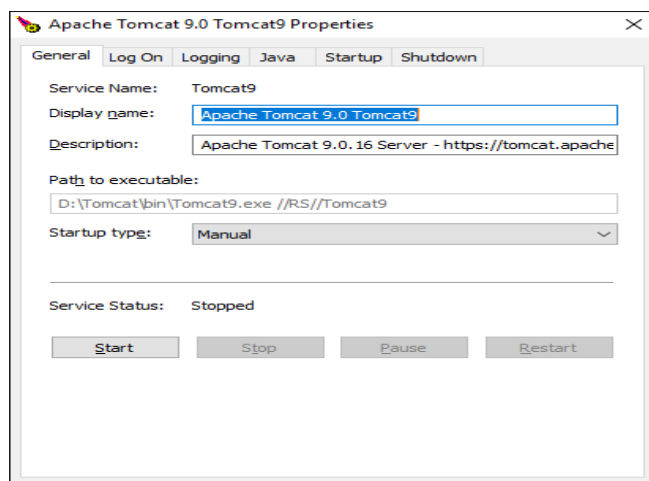


Install tomcat server into your Computer,

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

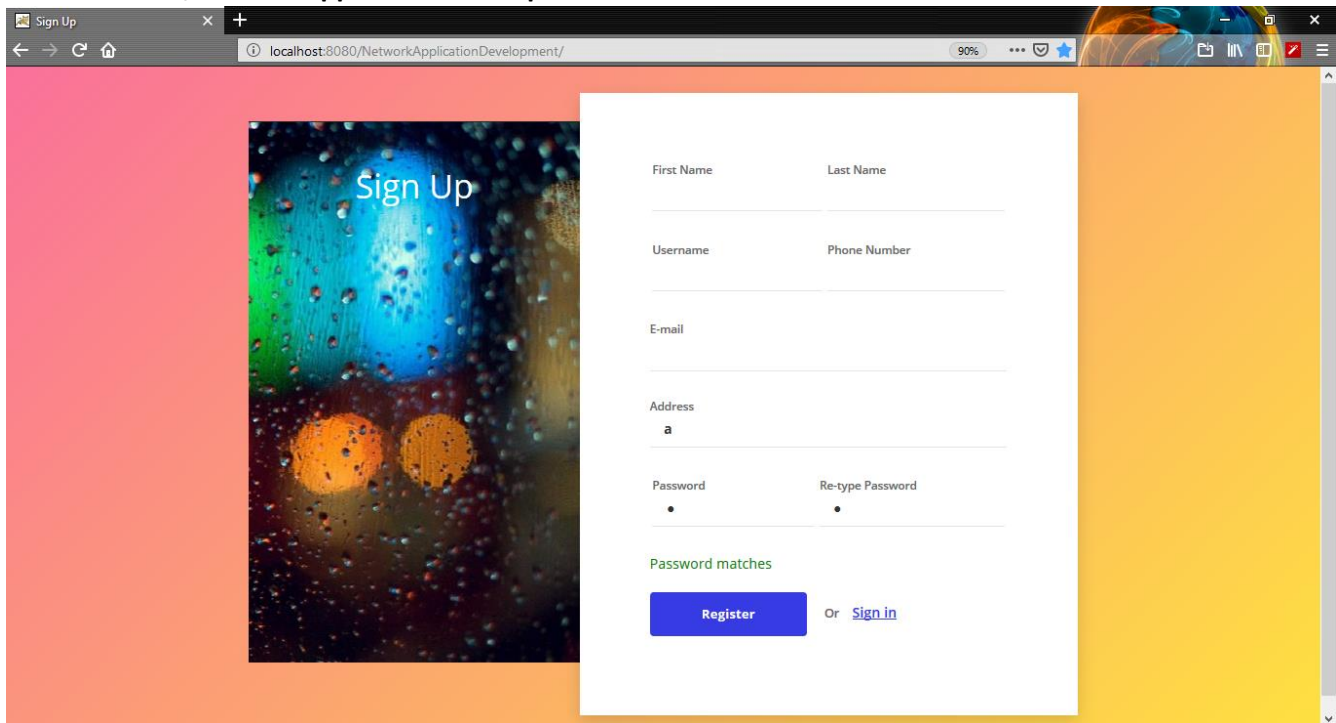


Start running the tomcat services



Open your browser and type the URL

localhost:8080/NetworkApplicationDevelopment



The screenshot shows a web browser window with the address bar displaying "localhost:8080/NetworkApplicationDevelopment/". The page has a pink and orange gradient background. On the left, there is a vertical image of a rainy window with colorful bokeh lights. The "Sign Up" title is centered over this image. To the right is a white registration form with the following fields: "First Name", "Last Name", "Username", "Phone Number", "E-mail", "Address" (containing the letter 'a'), "Password", and "Re-type Password". Below the password fields, a green message says "Password matches". At the bottom of the form are a blue "Register" button and a link that says "Or Sign in".

The registration form will be displayed

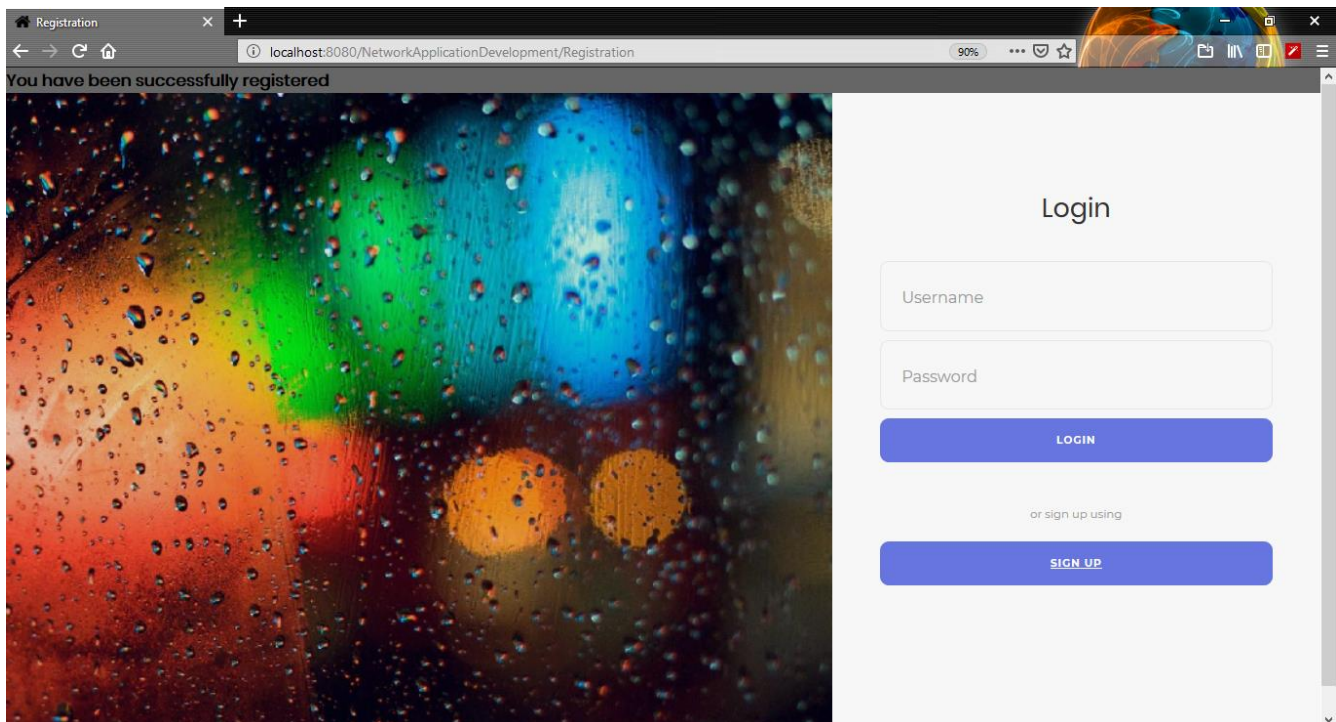
You can register using this form

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

This information is used while logging in.

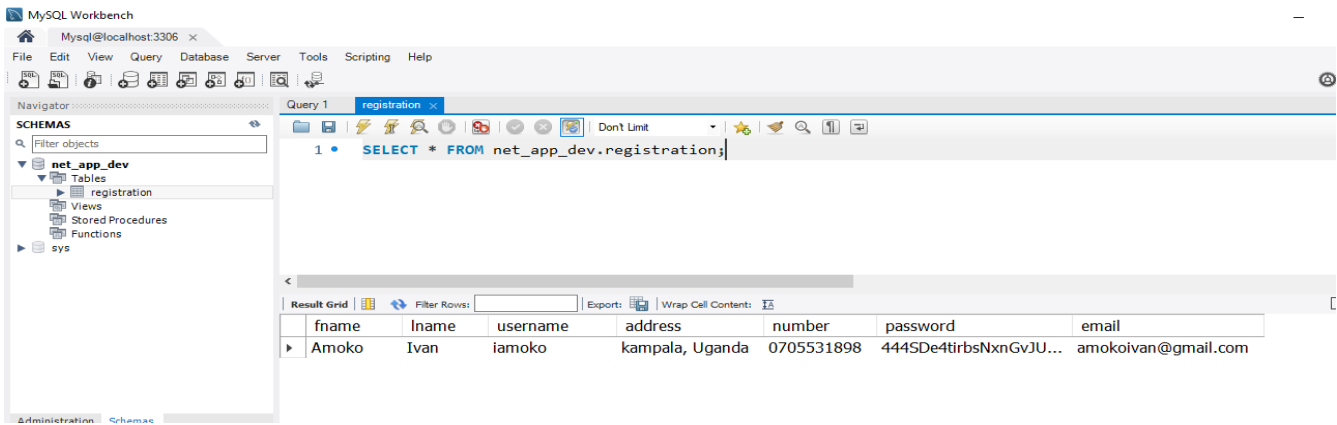
On successful registration, you are redirected to the Login page of the Registration servlet, this can be seen in the URL

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

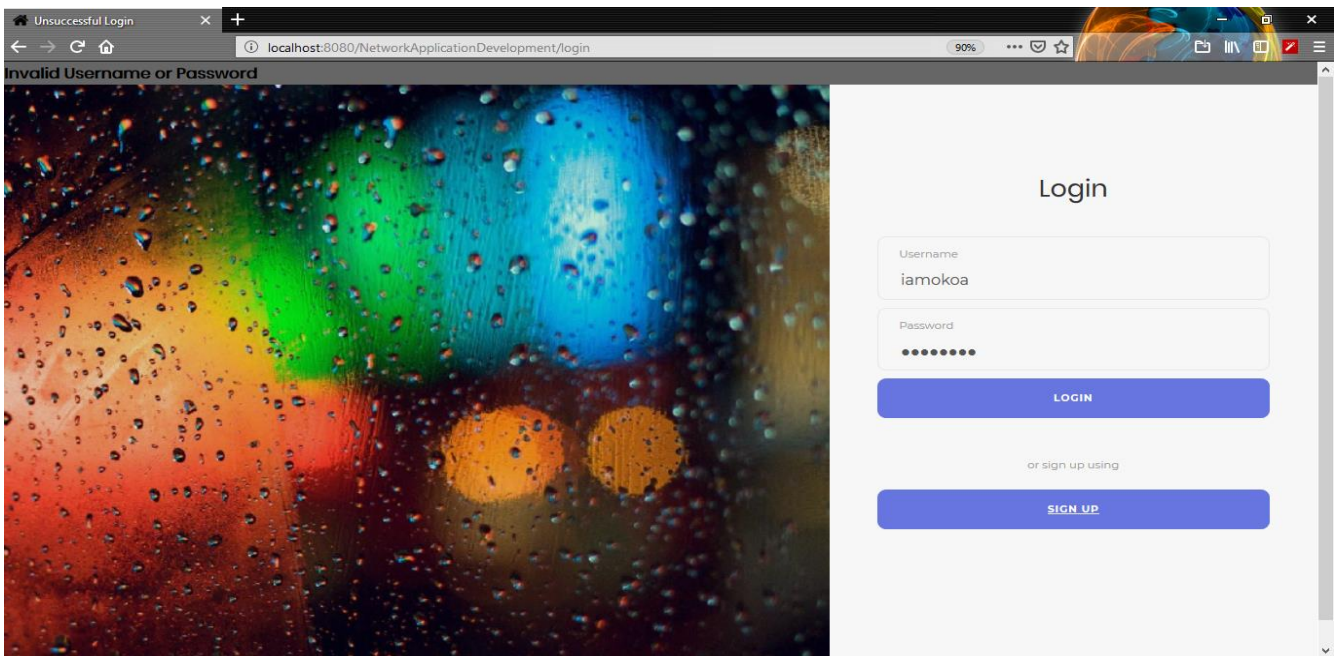


The screenshot shows a web browser window with the address bar displaying "localhost:8080/NetworkApplicationDevelopment/Registration". A dark banner at the top of the page reads "You have been successfully registered". The page features the same rainy window background image on the left. The "Login" title is centered on the right. Below the title are two input fields for "Username" and "Password", followed by a blue "LOGIN" button. Below the button is the text "or sign up using" and a blue "SIGN UP" button.

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.

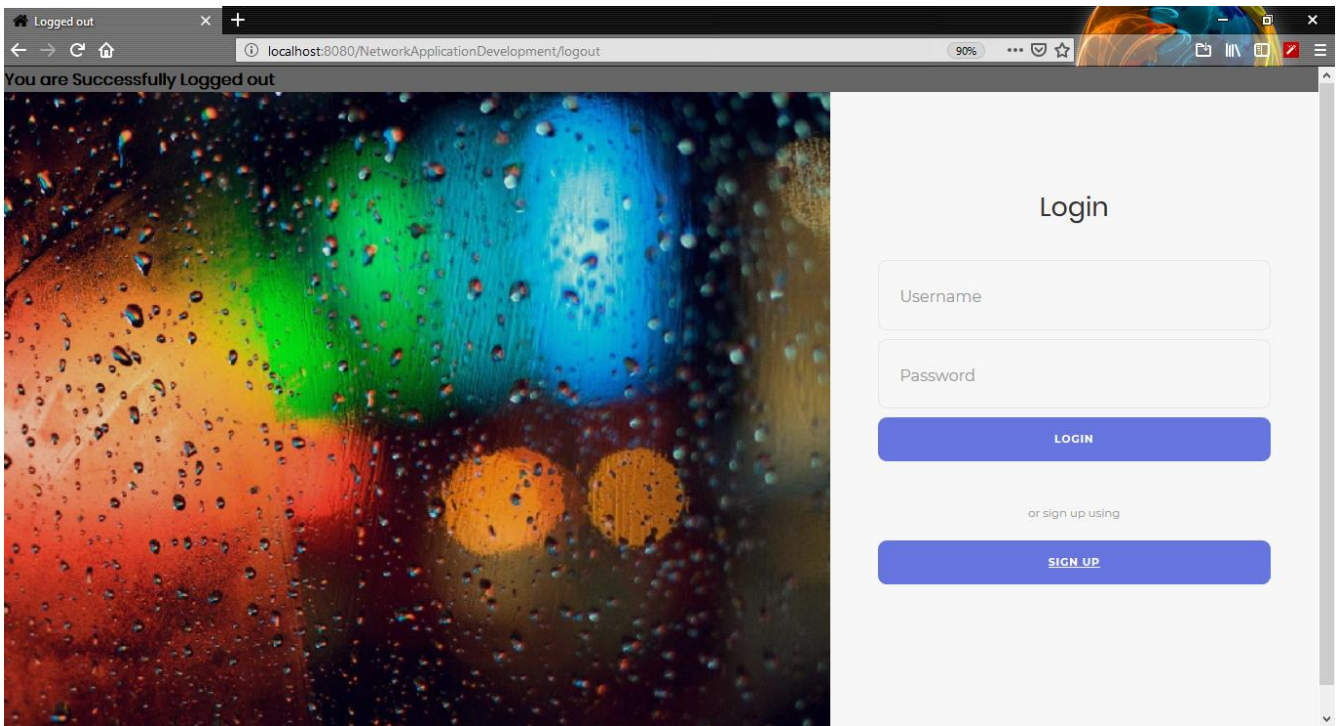
Information of only that specific user is displayed



Welcome iamoko	
First Name	Amoko
Last Name	Ivan
Address	kampala, Uganda
Phone Number	0705531898
Email	amokoivan@gmail.com

[Logout](#)

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

