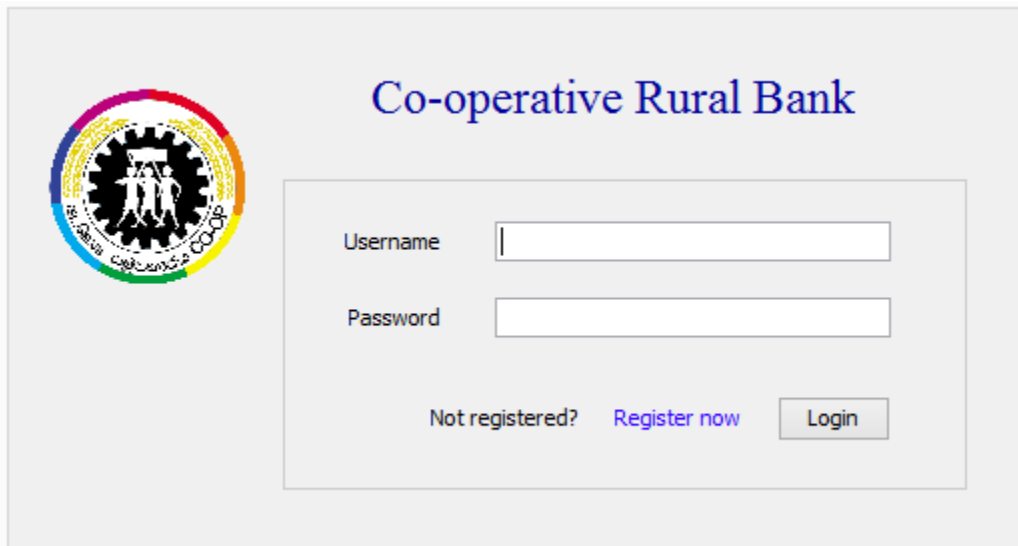# CST 243-3 Rapid Application Development (Practical)
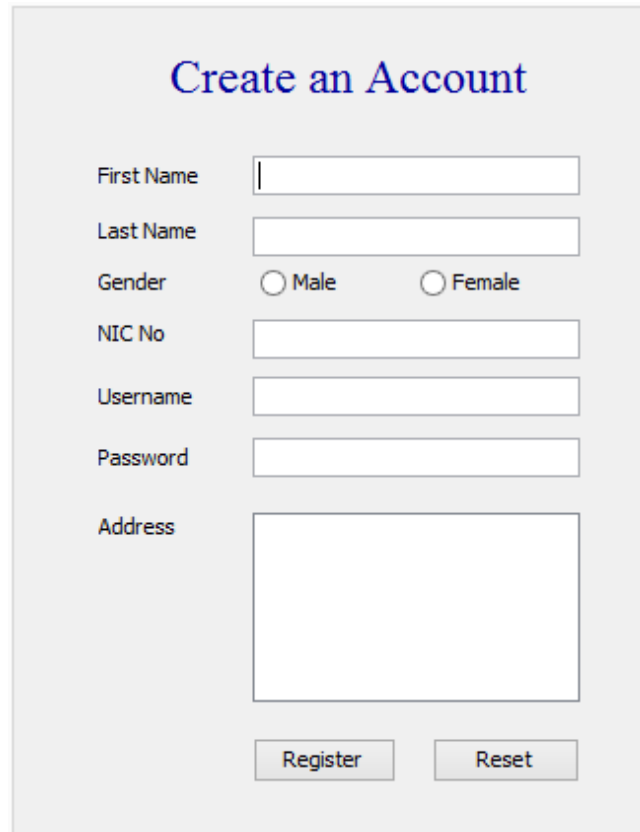
Exercise 6

1. Implement the following Java application using NetBeans IDE.
   - Create a database called **Coop** with two tables to store login information and personal details.
     - ✓ Table 1 - **user_details** (<u>id</u>, firstname, lastname, gender, nic, address)
     - ✓ Table 2 - **login** (id, <u>username</u>, password, activated)
   - In the user_details table, id is an auto increment value and in the login table, id is a foreign key that refers to the id in the user_details table.

   - Create the following interface for the Co-operative Rural Bank.

Interface 01 - User Login

   - In the **Interface 01 - User Login**, username should be a text field and password should be a password field.
   - When user clicks on **Register now** link, **Interface 02 - Create and Account** should be opened to create a new account.
   - After user clicks on the **Register** button all the information in the interface should be saved in the **Coop** database.
   - In the **Interface 02 - Create and Account**, when user clicks on the **Reset** button, all the fields should be reset to the default values.

Create an Account

First Name	[ ]
Last Name	[ ]
Gender	○ Male ○ Female
NIC No	[ ]
Username	[ ]
Password	[ ]
Address	[ ]

[Register]   [Reset]

Interface 02 - Create an Account

When user click on Login button in interface 01, system should check whether the entered username and password is matched with the existing details in user_details table.

- If it is matched, system should check whether the user is an active user or not.
  - If he is an active user, the **Interface 03 - Home** should be opened.
  - If not, a message should be displayed to the user "Your account is not activated. Please inform the System Administrator".
- If it is not matched, system should show an error message. (E.g. Invalid login, try with the correct username and password)

Interface 03 - Home