

Rapid Application Development

Practical Exercise - 03

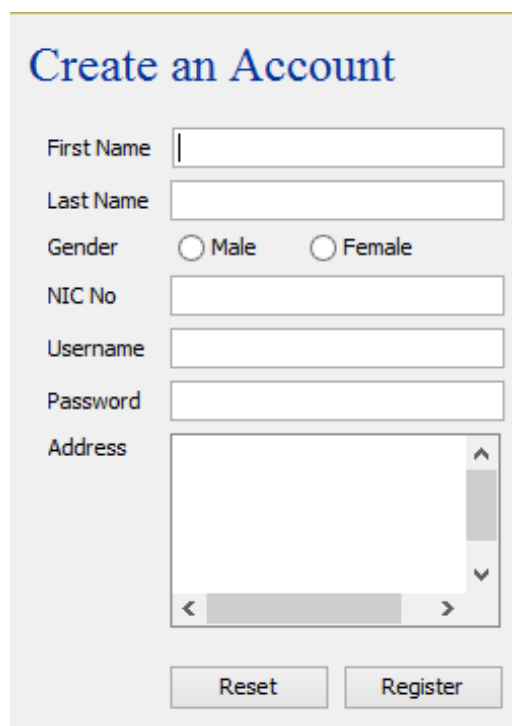
1. Implement the following application using NetBeans IDE



The image shows a login interface for the Co-operative Rural Bank. On the left is a circular logo with a gear and a building. To the right of the logo is the text "Co-operative Rural Bank" in blue. Below this is a login form with two text fields: "Username" and "Password". At the bottom of the form are two buttons: "Not Registered? Register now" and "Login".

Figure 1: Interface 01

- In this interface, username should be a textfield and password should be password field
- When user click on “Register now” link, then Interface 02 should open to create a new account



The image shows a "Create an Account" interface. It has a title "Create an Account" in blue. Below the title are several form fields: "First Name", "Last Name", "Gender" (with radio buttons for "Male" and "Female"), "NIC No", "Username", "Password", and "Address" (a text area). At the bottom are two buttons: "Reset" and "Register".

Figure 2: Interface 02

- In this interface, when user click on the “Reset” button, all the fields should be reset to the default values
- After user click on the “Register” button all the information available in the interface should be saved to the database
- Database should have two separate tables to store login information and personal details
 - Table 1, you can name it as “login”, should have id (User ID, need to get from userdetails table), username, password and activated
 - Table 2, you can name it as “userdetails”, should have id (this should be an auto increment value), firstname, lastname, gender, nicno and address
- When user click on Login button in interface 01, system should check whether the entered username and password is matched with the system details (given database) and,
 - If it is matched, system should check whether the user is an active user or not
 - If he is an active user, then you should open the interface 03
 - If not, you should show a message to the user by telling “Your account is not activated. Please inform to your System Administrator”
 - If it is not matched, system should show an error message
 - E.g. Invalid Login, Try with Correct Username and Password

The screenshot shows a web application interface for account management. At the top, there's a navigation bar with 'Accounts', 'Edit', 'View', and 'Help'. Below this, three large buttons are displayed: 'New Account' (with a blue person icon and a green plus), 'Manual Approvals' (with a yellow stamp icon), and 'Transaction Summary' (with a dollar sign and circular arrows icon). The bottom section is divided into two panels: 'Cash Deposits' and 'Cash Withdrawals'. Each panel has three input fields: 'Account No:', 'Amount:', and 'Comment:'. The 'Cash Deposits' panel has a 'Deposit' button, and the 'Cash Withdrawals' panel has a 'Withdraw' button.

Figure 3: Interface 03

The screenshot displays a banking application interface. At the top, there is a menu bar with 'Accounts', 'Edit', 'View', and 'Help'. The 'Accounts' menu is open, showing options: 'New' (with a right arrow), 'Holder' (with a right arrow), 'Promotions' (with 'Ctrl+P'), and 'Exit' (with 'Ctrl+Q'). To the right of the menu, there are three buttons: 'New Account' (with a blue circle and green plus icon), 'Manual Approvals' (with an icon of a stack of papers labeled 'APPROVED'), and 'Transaction Summary' (with an icon of three dollar signs in a circular flow). Below these buttons, there are two main sections: 'Cash Deposits' and 'Cash Withdrawals'. Each section contains three input fields: 'Account No:', 'Amount:', and 'Comment:'. The 'Cash Deposits' section has a 'Deposit' button, and the 'Cash Withdrawals' section has a 'Withdraw' button.

Accounts Edit View Help

New ►
Holder ►
Promotions Ctrl+P
Exit Ctrl+Q

Savings Account
Checking Account
Certificates of Deposit

New Account
Manual Approvals
Transaction Summary

Cash Deposits

Account No:
Amount:
Comment:
Deposit

Cash Withdrawals

Account No:
Amount:
Comment:
Withdraw