

BANK APPLICATION

The Bank Application has three users:

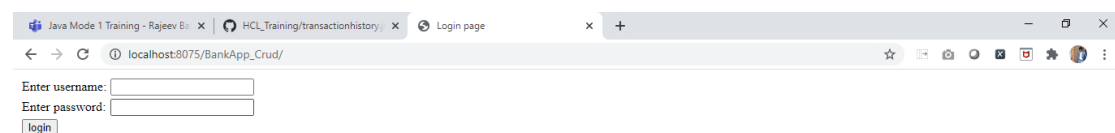
- 1) Admin.
- 2) Manager.
- 3) Clerk.

Users and their roles:

- 1) **Admin:** Among all the users, Admin can perform all actions on an account. The actions include creating new account, create new user for the application, suspend an account and delete an account.
- 2) **Manager:** Manager is also a user who has limited actions. The actions include update account, Transfer fund that required approval.
- 3) **Clerk:** Clerk is the low tier user who can only perform action fund transfer and get transaction history.

Actions Performed:

- 1) **Login:** This is used to login for particular person. If login fails he/she will be redirected to home page.



Java Mode 1 Training - Rajeev B... HCL_Training/transactionhistory... Login page

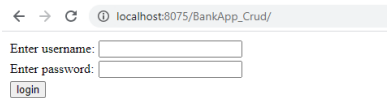
localhost:8075/BankApp_Crud/

Enter username:

Enter password:



This is the first step. Here the users like Admin, Manager and Clerk can login in to this Bank Application if the user has Account or else user has to create a new account.



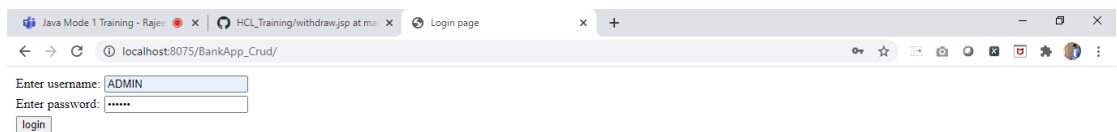
← → ↻ ① localhost:8075/BankApp_Crud/

Enter username:

Enter password:

Login Page

- **Admin Login:** Admin can login if he/she has account in Bank Application.



Java Mode 1 Training - Rajeev x HCL_Training/withdraw.jsp at m... x Login page x +

← → ↻ ① localhost:8075/BankApp_Crud/

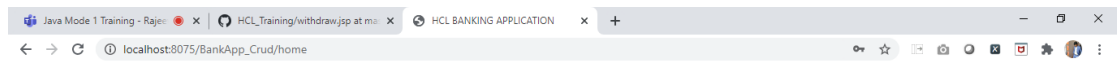
Enter username:

Enter password:

After Details



Admin can do operations like Show all accounts, Show all users, Create new account, New add user, Transfer Money, Withdraw Money and Deposit Money.



HCL ONLINE BANKING APPLICATION

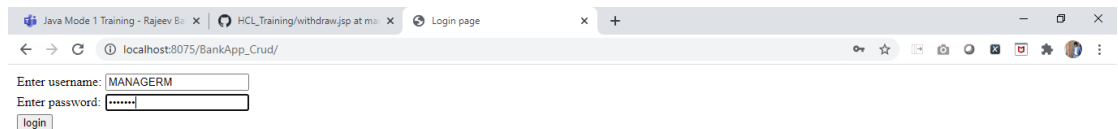
Hi, ADMIN

Hello ADMIN . [Show All Accounts](#)
[Show All Users](#)
[Create New Account](#)
[New add User](#)
[Transfer Money](#)
[Withdraw Money](#)
[Deposit Money](#)
[Logout](#)

welcoe to Admin page



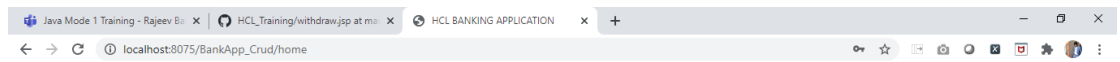
➤ **Manager Login:** Manager can login if he/she has account in Bank Application.



Manager login



Manager can do operations like Show all accounts, Show all users, Transfer Money, Withdraw Money, Deposit Money.



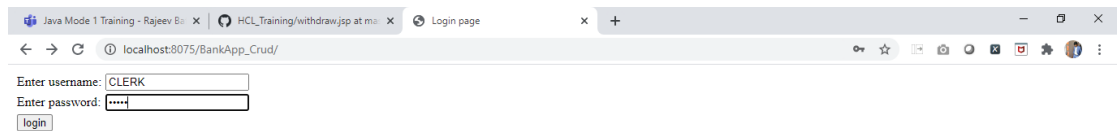
Hi, MANAGER

Hello MANAGER .. [Show All Accounts](#)
[Show All Users](#)
[Transfer Money](#)
[Withdraw Money](#)
[Deposit Money](#)
[Logout](#)

Welcome manager
page



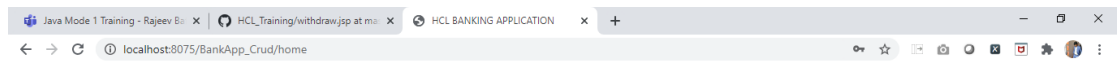
➤ Clerk Login: Clerk can login if he/she has account in Bank Application.



clerk login page



Clerk can do some operations like Show all accounts, Transfer Money, Withdraw Money, Deposit Money.



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Hi, CLERK

Hello CLERK . [Show All Accounts](#)
[Transfer Money](#)
[Withdraw Money](#)
[Deposit Money](#)
[Logout](#)



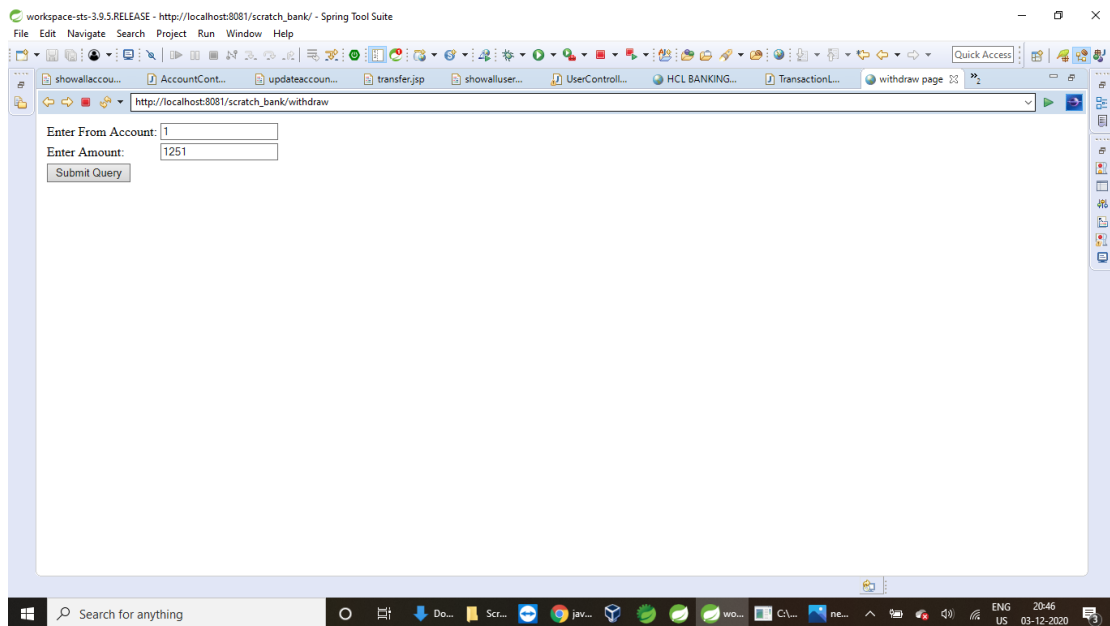
2) **AddUser:** This action allows us to add user. The inputs are username, password, user type, address, phone number, email, aadhar card and pan card.

Here we can add a new user for Admin, Manager and Clerk.

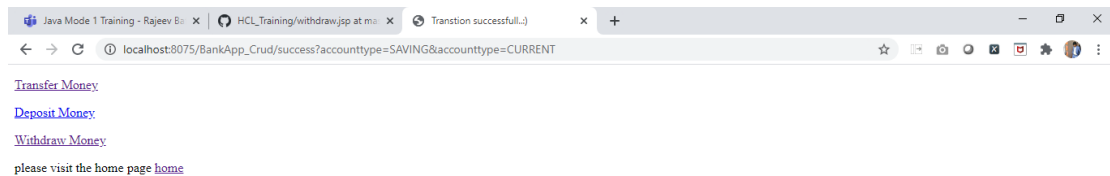
New Add User



3) **Deposit:** This action allows us to deposit money in user account. It takes parameters like account number and amount to be deposited.



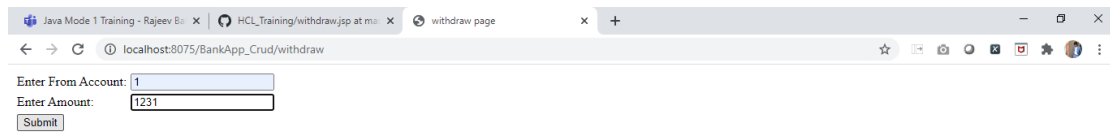
Once the money is successfully deposited



after deposit the money successfull page1



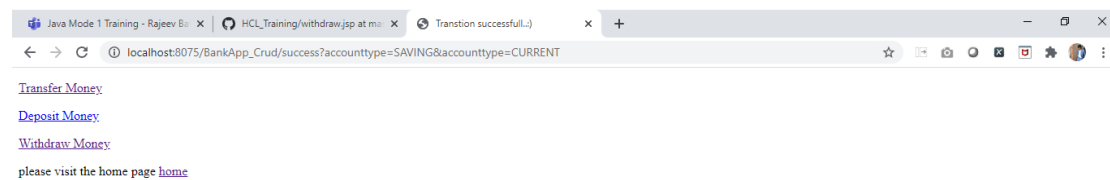
4) Withdraw: This action allows the user to withdraw money from his account. It takes two parameters like account number and amount to withdraw.



before withdraw
money



Once the money is Successfully Withdrawn



After Withdraw Succesfully Page1

5) Fund Transfer: This action allows an user to transfer fund from one account to another. It takes 3 parameters from account number, to account number and amount to transfer.

The screenshot shows a web browser window with the address bar displaying 'localhost:8075/BankApp_Crud/transfer'. The page contains a form with three input fields: 'Enter From Account:', 'Enter TO Account:', and 'Enter Amount:'. Each field has a corresponding validation message to its right: 'Account Id cannot be null', 'Account Id cannot be null', and 'Amount cannot be null' respectively. A 'Submit' button is located at the bottom left of the form.

validation into transfer



6) AddAccount: It is similar to add user but it takes an extra input called user type which indicates whether the user is an admin, manager or clerk.

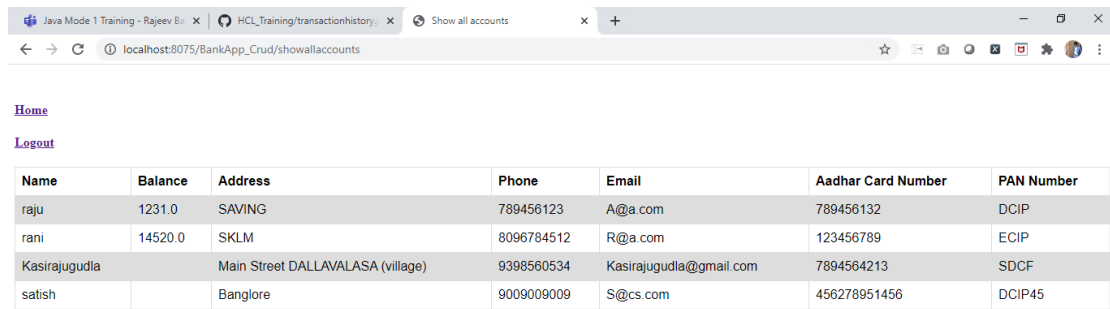
The screenshot shows a web browser window with the address bar displaying 'localhost:8075/BankApp_Crud/addaccount'. The page contains a form with several input fields: 'Enter Account Name:', 'Enter Account Type:' (with a dropdown menu showing 'SAVING'), 'Enter address:', 'Enter phone:', 'Enter email:', 'Enter AadharCard Number:', and 'Enter Pan Card Number:'. An 'Add Account' button is located at the bottom left of the form.

creating new account before the details



7) ShowAllAccounts: Show all accounts is used to display all the accounts in the accounts table.

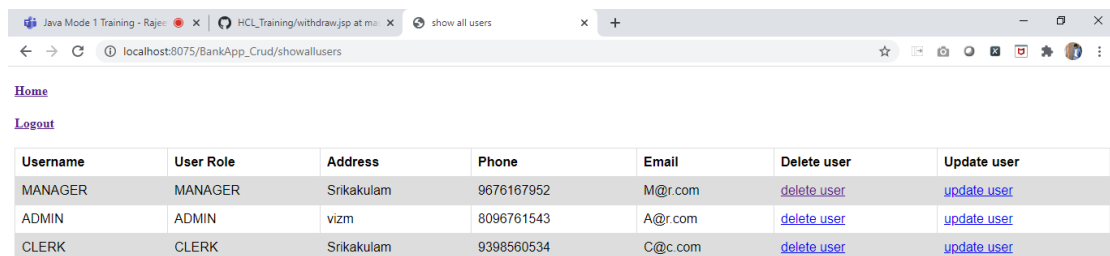
Here we can see all the account details of users.



Name	Balance	Address	Phone	Email	Aadhar Card Number	PAN Number
raju	1231.0	SAVING	789456123	A@a.com	789456132	DCIP
rani	14520.0	SKLM	8096784512	R@a.com	123456789	ECIP
Kasirajugudla		Main Street DALLAVALASA (village)	9398560534	Kasirajugudla@gmail.com	7894564213	SDCF
satish		Banglore	9009009009	S@cs.com	456278951456	DCIP45



8) ShowAllUsers: Show all users is used to display all the users in the users table which include admin, manager or clerk.



Username	User Role	Address	Phone	Email	Delete user	Update user
MANAGER	MANAGER	Srikakulam	9676167952	M@r.com	delete user	update user
ADMIN	ADMIN	vizm	8096761543	A@r.com	delete user	update user
CLERK	CLERK	Srikakulam	9398560534	C@c.com	delete user	update user

show all users



9) UpdateAccount/UpdateUser: Used to update details for an user or an account.

Validations:

Account number: Account number is validated by checking whether it is already existing in database or not.

Withdraw: The amount for withdraw will also be validated since it should always be less than the current balance.

Fund Transfer: Fund transfer also requires validation for both account numbers and money to be transferred.

- Validations also include not null(which indicates that the details should be filled), should enter number(should enter number only), should enter string(should enter string only) etc.

Updating User/Account:

While updating user/account only specific data can be updated. The data are Address, Phone and Email.

- Aadhar card and Pan card cannot be updated for an user/account.
- The type of user can also be changed by the admin.