

BANK APPLICATION

The Bank Application has three users:

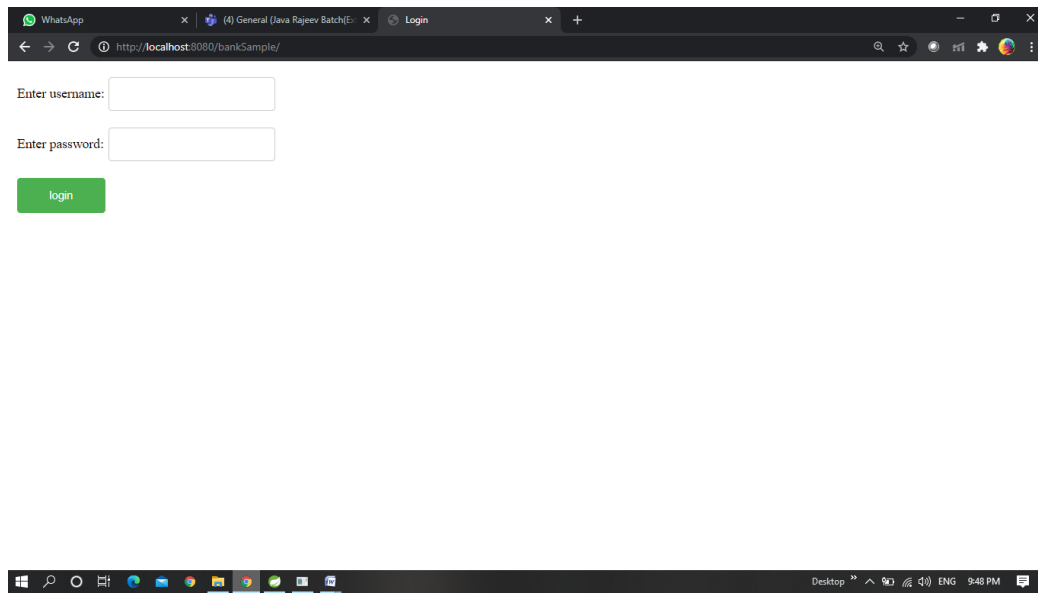
- 1) Admin.
- 2) Manager.

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.

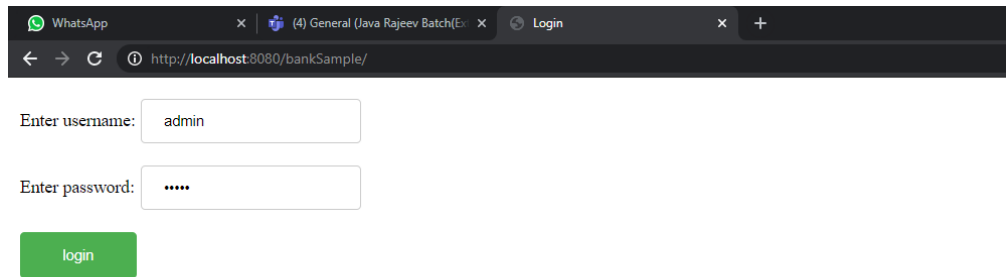
Actions Performed:

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



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

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



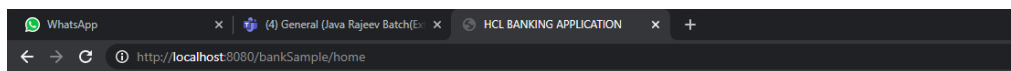
WhatsApp x (4) General (Java Rajeev Batch(E... x Login x +

← → ↻ ⓘ http://localhost:8080/bankSample/

Enter username:

Enter password:

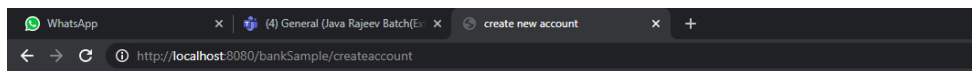
Admin can do operations like Create new account, New add user, Show all accounts, Show all users,logout.



hello, Admin

[Create New Bank Account](#)
[Create New Administrative User](#)
[show all accounts](#)
[show all users](#)
[Logout](#)

2)create new bank account: It is similar to add user but it takes an extra input called user type which indicates whether the user is an admin, manager.



Enter customer name:

Enter balance:

Enter address:

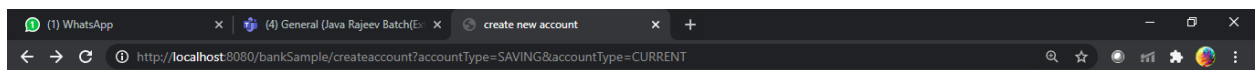
Enter customer Phone:

Enter customer email:

Enter customer AadharNumber:

Enter customer panNumber:

select customer accountType:



Enter customer name:

Enter balance:

Enter address:

Enter customer Phone:

Enter customer email:

Enter customer AadharNumber:

Enter customer panNumber:

select customer accountType:



3)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.

show all accounts

[Home](#)

[Logout](#)

Name	Balance	Address	Phone	Email	Aadhar Card Number	PAN Number	Delete Account	Update Account
chinnu	4000.0	guntakal	9121897985	chinnu@.com	58245789045	dcpmg123	delete account	update account
pallavi	5000.0	bang	1234789123	def@.com	12345789045	svcecg123	delete account	update account
chinna	9000.0	anantapur	9152897985	chinna@.com	58245889045	abcd123	delete account	update account
ravi	2000.0	kadapa	9152898485	ravi@.com	582458890854	dscd123	delete account	update account
rehu	1000.0	ragamandri	91528915225	rehu@.com	2528890854	ds125	delete account	update account
raghu	1200.0	anantapur	91528915285	chinnu@.com	252458890854	ds123	delete account	update account
Mamidi Prasanthi	1000.0	757-G,Shanthi Nagar	09121897985	mprasanthi1999@gmail.com	36985258963524	DRCPM9580F	delete account	update account

4)**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

User Add

Enter username:

Enter password:

Enter userType:

Enter address:

Enter phone:

Enter email:

Enter username:

Enter password:

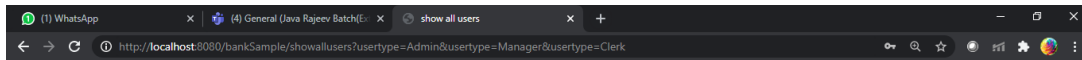
Enter userType:

Enter address:

Enter phone:

Enter email:

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



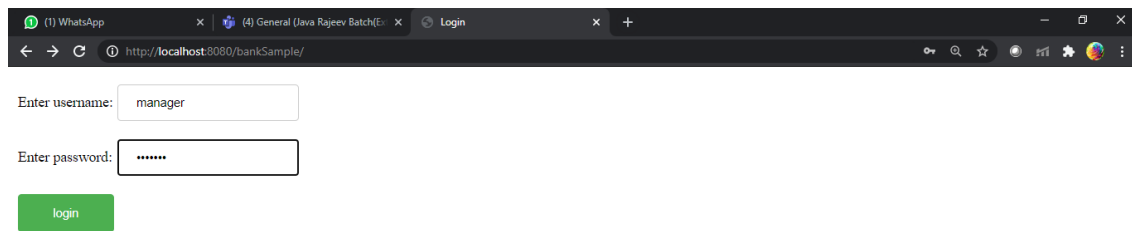
Show all users

[Home](#)

[Logout](#)

Username	User Role	Address	Phone	Email	Delete user	Update user
manager	Manager	chennai	6985458723	manager@gmail.com	delete user	update user
admin	Admin	banglore	6985458712	admin@gmail.com	delete user	update user
aitsr16701A0562	Admin	757-G,Shanthi Nagar	9121897985	mprasanthi1999@gmail.com	delete user	update user
aitsr16701A0562	Admin	757-G,Shanthi Nagar	9121897985	mprasanthi1999@gmail.com	delete user	update user
prasanthi	Admin	757-G,Shanthi Naga	9121897985	mprasanthi1999@gmail.com	delete user	update user
prathi	Admin	757-G,Shanthi Nagar	9121897985	mprasanthi@gmail.com	delete user	update user
aitsr	Admin	guntakal	9858745812	aits@gmail.com	delete user	update user
prava	Admin	kurnool	9856856985	prava123@gmail.com	delete user	update user

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

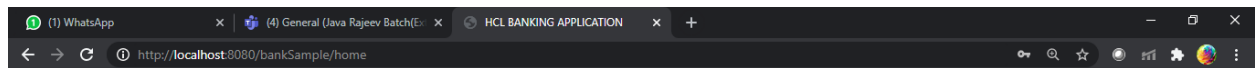


Enter username:

Enter password:



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

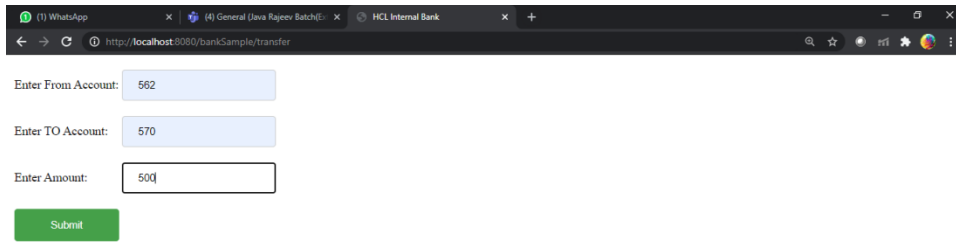


hello, Manager

[Transfer Money](#)
[Withdraw Money](#)
[Deposit Money](#)
[show all accounts](#)
[show all users](#)
[Logout](#)



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.



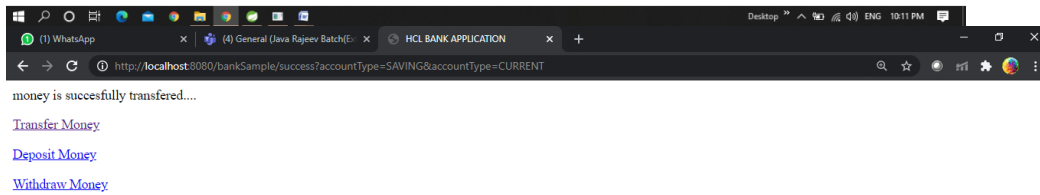
A screenshot of a web browser window with three tabs: "(1) WhatsApp", "(4) General (Java Rajeev BatchE...", and "HCL Internal Bank". The address bar shows "http://localhost:8080/bankSample/transfer". The form contains three input fields: "Enter From Account:" with the value "562", "Enter TO Account:" with the value "570", and "Enter Amount:" with the value "500". A green "Submit" button is located below the input fields.

Enter From Account: 562

Enter TO Account: 570

Enter Amount: 500

Submit



A screenshot of a web browser window with three tabs: "(1) WhatsApp", "(4) General (Java Rajeev BatchE...", and "HCL BANK APPLICATION". The address bar shows "http://localhost:8080/bankSample/success?accountType=SAVING&accountType=CURRENT". The page content displays the message "money is succesfully transfered...." followed by three blue, underlined links: "Transfer Money", "Deposit Money", and "Withdraw Money".

money is succesfully transfered....

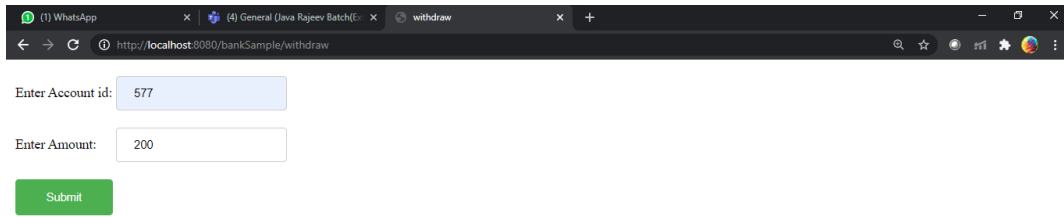
[Transfer Money](#)

[Deposit Money](#)

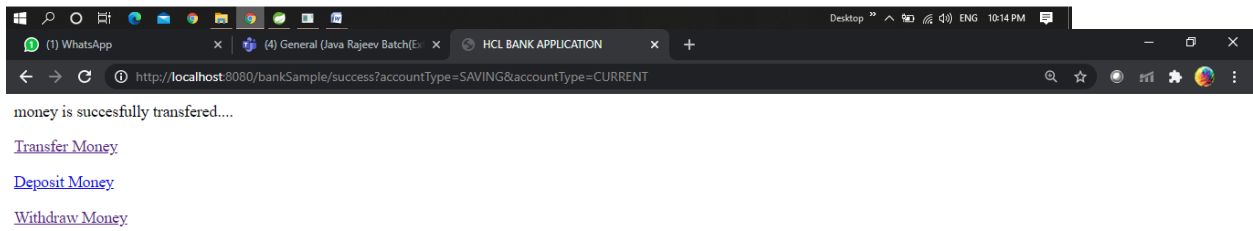
[Withdraw Money](#)




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



A screenshot of a web browser window with three tabs: "(1) WhatsApp", "(4) General (Java Rajeev Batch(E...", and "withdraw". The address bar shows "http://localhost:8080/bankSample/withdraw". The page contains a form with two input fields: "Enter Account id:" with the value "577" and "Enter Amount:" with the value "200". Below these fields is a green "Submit" button.

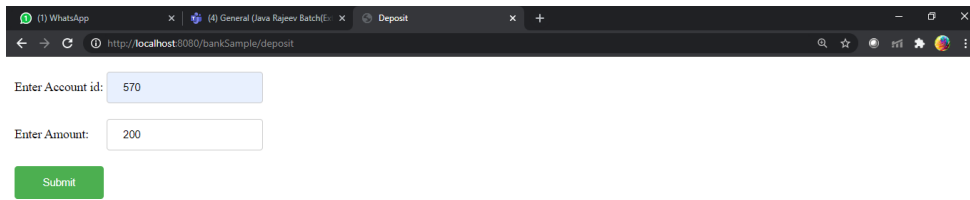


A screenshot of a web browser window with three tabs: "(1) WhatsApp", "(4) General (Java Rajeev Batch(E...", and "HCL BANK APPLICATION". The address bar shows "http://localhost:8080/bankSample/success?accountType=SAVING&accountType=CURRENT". The page displays the message "money is succesfully transfered...." followed by three underlined links: [Transfer Money](#), [Deposit Money](#), and [Withdraw Money](#).

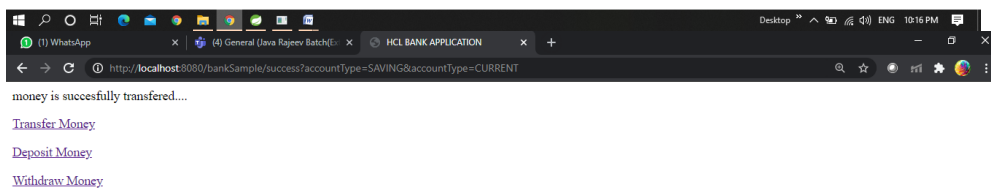


A screenshot of a Windows taskbar showing various application icons and the system clock displaying "10:15 PM".

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



A screenshot of a web browser window with the address bar showing `http://localhost:8080/bankSample/deposit`. The page contains two input fields: "Enter Account id:" with the value "570" and "Enter Amount:" with the value "200". Below these fields is a green "Submit" button.



2) 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.

The screenshot displays a web browser window with the title 'update account'. The address bar shows the URL 'http://localhost:8080/bankSample/updateaccount?id=567'. The page content is titled 'Update Account' and contains a form with the following fields and values:

Field Label	Value
Enter name	pallavi
Enter balance	5000.0
Enter address	bang
Enter phone	1234789123
Enter email	def@.com
Enter aadharCard	12345789045
Enter panNumber	svcecg123

Below the form fields is a green 'Submit' button. The browser's taskbar at the bottom shows the Windows logo, search icon, and several application icons. The system tray on the right indicates 'Desktop', signal strength, and the time '11:04 PM'.

The screenshot shows a web browser window with the following details:

- Browser Tabs:** WhatsApp, HCL_Training/UserDaoImpl.java, (4) General (Java Rajeev Batch), update user.
- Address Bar:** <http://localhost:8080/bankSample/updateuser?id=3>
- Page Title:** Update user
- Form Fields:**
 - Enter username:
 - Enter password:
 - Enter address:
 - Enter phone:
 - Enter email:
 - Enter userType:
- Submit Button:**

The Windows taskbar at the bottom shows the system clock as 11:04 PM on ENG.

Delete User/Account:

The particular user/account will be deleted