

BANK APPLICATION SCREEN SHOTS

This application is designed for

1. Bank Employees to maintain all the accounts and transactions
2. Account customers to login to the account to check transactions and to transfer, withdraw or deposit money.

If the user of the application belongs to bank side then he/she can be able to login into **“USER LOGIN”**. If user of the application is outside customer then he/she can be able to login into **“CUSTOMER LOGIN”**.



1. BANK EMPLOYEES Pages

1. Validation on login page to enter the user details

Enter username:


Username can not be left blank

Enter password:

Password can not be left blank

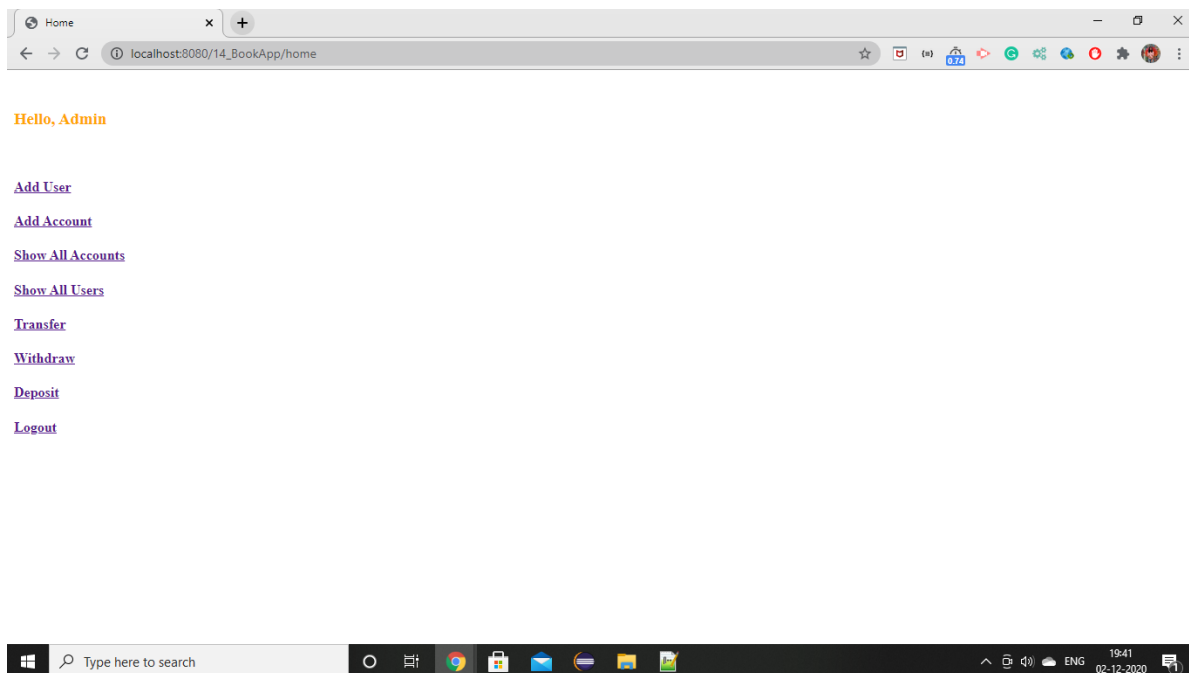


2. If username and password wrong!



The screenshot shows a web browser window with the title "Login". The address bar displays "localhost:8080/14_BookApp/login". The page content includes a red error message "Incorrect username or password". Below this, there are two input fields: "Enter username:" with the value "divya" and "Enter password:" with the value "satya". A green "login" button is positioned below the password field. The browser's taskbar at the bottom shows the Windows logo, a search bar, and several application icons.

3. If username and password are correct and if the user is “**ADMIN**” then it goes to admin home page, if user is “**Manager**” it goes to manager home page, if user is “**Clerk**” then it goes to clerk home page.



The screenshot shows a web browser window with the title "Home". The address bar displays "localhost:8080/14_BookApp/home". The page content includes a greeting "Hello, Admin" in orange. Below this, there is a list of links: "Add User", "Add Account", "Show All Accounts", "Show All Users", "Transfer", "Withdraw", "Deposit", and "Logout", all in purple. The browser's taskbar at the bottom shows the Windows logo, a search bar, and several application icons.

4. Admin can able to

1. Create, read, delete and update User
2. Create, read, delete and update Account
3. Transfer, withdraw, deposit by checking validations

Add User

Enter username:

username can not be left blank

Enter password:

Password can not be left blank!

Enter address:

address can not be left blank

Enter phone:

phone can not be left blank

Enter email:

email can not be left blank

Enter userType: Admin

add user

5. The forms gets submitted once the admin enters the correct details.

Add User

Enter username: John

username can not be left blank

Enter password: Doe

Password can not be left blank!

Enter address: Assam

address can not be left blank

Enter phone: 8765439890

phone can not be left blank

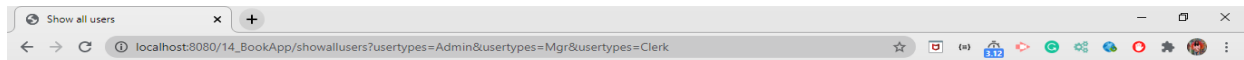
Enter email: johndoe@gmail.com

email can not be left blank

Enter userType: Clerk

add user

6. Once admin submits the form data gets stored into database, new user is added (john) and admin can able to update and delete the user.



Show all users

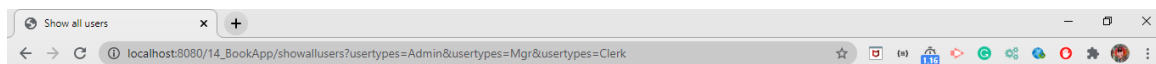
[Home](#)

[Logout](#)

Username	User Role	Address	Phone	Email	Delete user	Update user
divya	Admin	usa	654321908	r@r.com	delete user	update user
veenai	Mgr	Mumbai	9003260398	v@v.com	delete user	update user
rajeev	Admin	Noida	9989765432	rajeev@gmail.com	delete user	update user
riya	Clerk	London	5678943213	r@gmail.com	delete user	update user
John	Clerk	Assam	8765439890	john doe@gmail.com	delete user	update user



7. Updated user1 and user2 details.



Show all users

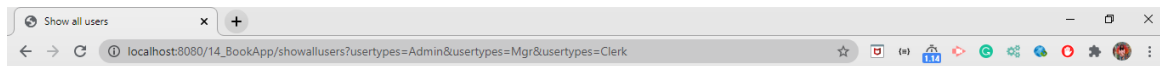
[Home](#)

[Logout](#)

Username	User Role	Address	Phone	Email	Delete user	Update user
divya	Admin	Banglore	6543219055	divya@gmail.com	delete user	update user
veenai	Mgr	Mumbai	9003260398	veenai@gmail.com	delete user	update user
rajeev	Admin	Noida	9989765432	rajeev@gmail.com	delete user	update user
riya	Clerk	London	5678943213	r@gmail.com	delete user	update user
John	Clerk	Assam	8765439890	john doe@gmail.com	delete user	update user



8. Deleted user4



Show all users

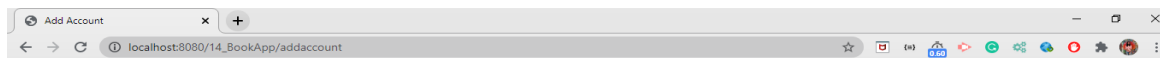
[Home](#)

[Logout](#)

Username	User Role	Address	Phone	Email	Delete user	Update user
divya	Admin	Banglore	6543219055	divya@gmail.com	delete user	update user
veenai	Mgr	Mumbai	9003260398	veenai@gmail.com	delete user	update user
rajeev	Admin	Noida	9989765432	rajeev@gmail.com	delete user	update user
John	Clerk	Assam	8765439890	johndoe@gmail.com	delete user	update user



9. Similarly, admin can be able to create, read, delete and update the account, if validation is proper.



Add Account

Enter name
Name can not be left blank

Enter balance
Balance can not be left blank

Enter address
Address can not be left blank

Enter phone
Phone can not be left blank

Enter email
Email can not be left blank

Enter aadharCard
Aadhar can not be left blank

Enter panNumber
Pan Number can not be left blank



Add Account

localhost:8080/14_BookApp/addaccount

Add Account

Enter name

Kethy

Enter balance

Sarah

please only enter numbers

Enter address

Mumbai

Enter phone

9876054321

Enter email

kethy@gmail.com

Enter aadharCard

867898763233

Enter panNumber

LMK23009873

Submit

Show all accounts

localhost:8080/14_BookApp/showallaccounts

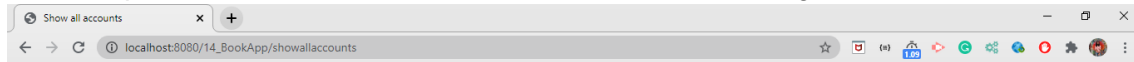
Show all accounts

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Name	Balance	Address	Phone	Email	Aadhar Card Number	PAN Number	Delete Account	Update Account
satya	2800.0	Mumbai	905543222	satya@gmail.com	56748484	MKS444	delete account	update account
ria	6000.0	Gurgon	9004422432	d@d.com	864936432244	MDMK4322	delete account	update account
Ram	5000.0	Pune	9776543210	ram@gmail.com	865436890987	MSKP9876	delete account	update account
Kethy	7000.0	Mumbai	9876054321	kethy@gmail.com	867898763233	LMK23009873	delete account	update account

- Updated account details and no one can able to change name and balance.

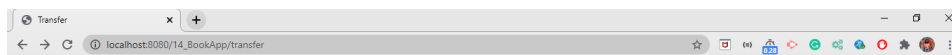


Show all accounts

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Name	Balance	Address	Phone	Email	Aadhar Card Number	PAN Number	Delete Account	Update Account
satya	2800.0	Mumbai	905543222	satya@gmail.com	56748484	MKS444	delete account	update account
ria	6000.0	Gurjon	9004422432	riya@gmail.com	864936432244	MDMK4322	delete account	update account
Ram	5000.0	Pune	9776543210	ram@gmail.com	865436890987	MSKP9876	delete account	update account
Kethy	7000.0	Mumbai	9876054321	kethy@gmail.com	867898763233	LMK23009873	delete account	update account



Transfer amount

Enter from account number:

Enter to account number:

Enter amount to be transferred:

[Transfer amount](#)



- Once transaction is success then admin gets redirected to success page with respective success message.



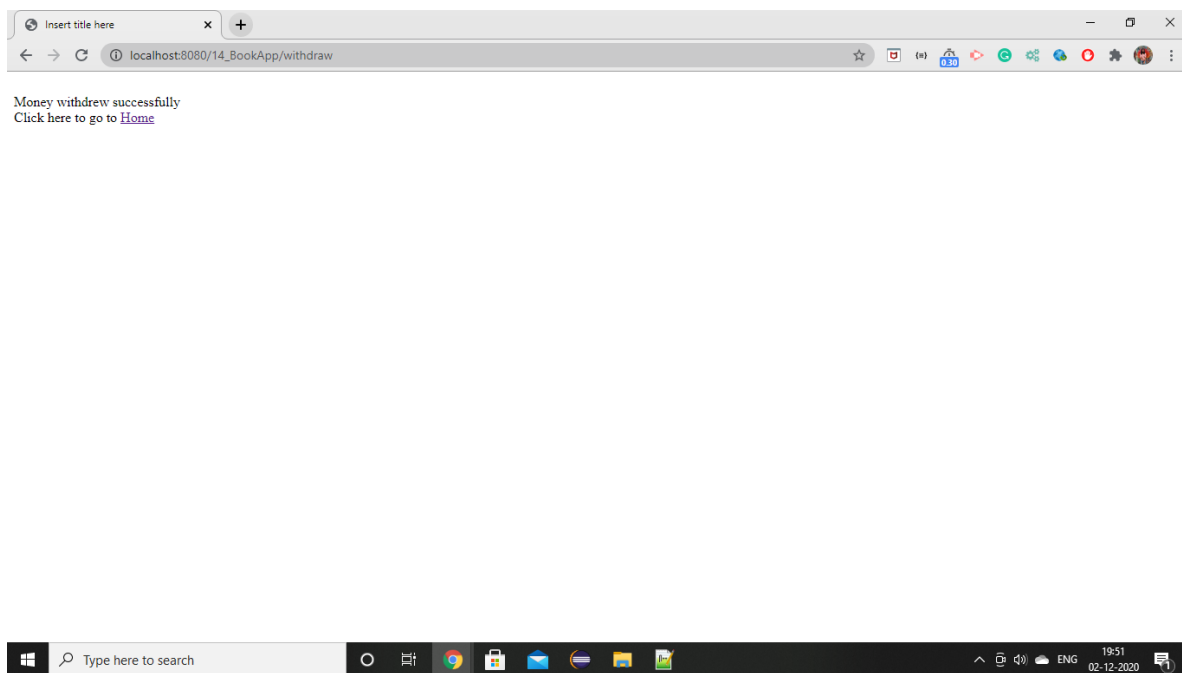
- Deposit amount and withdraw amount page

A screenshot of a web browser window. The address bar shows 'localhost:8080/14_BookApp/withdraw'. The page has a title 'Transfer' and a section header 'Deposit amount'. Below this, there are two input fields: 'Enter account number:' with the value '1' and 'Enter amount to be transferred:' with the value '500'. A green button labeled 'withdraw amount' is positioned below the input fields. The bottom of the page is a large, empty light gray rectangular area.

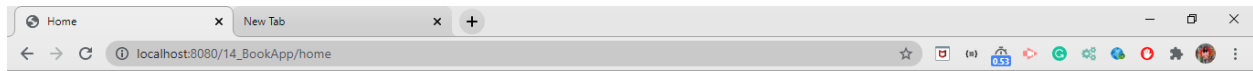




- Success message page after depositing and withdrawing amount.



- **Manager**, manager also performs almost all similar operations like user except adding new user and new account.



Hello, Mgr

[Show All Accounts](#)

[Show All Users](#)

[Transfer](#)

[Withdraw](#)

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- **Clerk**
- Clerk cannot update and delete the account but can able to view all the transaction history.



Hello, Clerk

[Show All Accounts](#)

[Transfer](#)

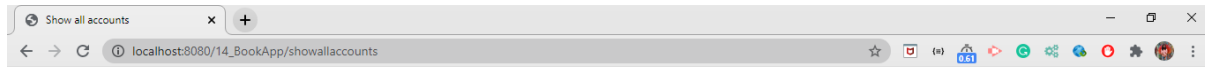
[Withdraw](#)

[Deposit](#)

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- When clicked on show all accounts all the accounts gets displayed but clerk can not modify the account instead clerk can be able to get all the transactions from particular account.



Show all accounts

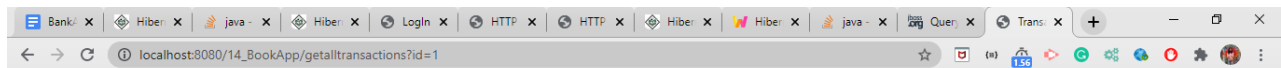
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Name	Balance	Address	Phone	Email	Aadhar Card Number	PAN Number	Transaction
satya	2300.0	Mumbai	905543222	satya@gmail.com	56748484	MKS444	Get All Transactions
ria	5500.0	Gurgon	9004422432	riya@gmail.com	864936432244	MDMK4322	Get All Transactions
Ram	4000.0	Pune	9776543210	ram@gmail.com	865436890987	MSKP9876	Get All Transactions
Kethy	7000.0	Mumbai	9876054321	kethy@gmail.com	867898763233	LMK23009873	Get All Transactions
vijju	2000.0	Rajasthan	7998764523	vijju@gmail.com	987645377654	MKPS1230054	Get All Transactions



- Transaction History of account1



Transaction History

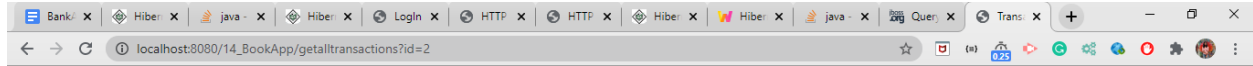
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Transaction Info	Date and Time	Amount	Transaction Type
transferred from 1	1970-01-01 10:41:26.0	500.0	WITHDRAW
Deposited from 1	1970-01-01 19:49:47.0	500.0	DEPOSIT
Transferred from 1	1970-01-01 19:50:14.0	500.0	WITHDRAW
Transferred from 1	1970-01-01 19:51:01.0	500.0	WITHDRAW



- Transaction history of account2



Transaction History

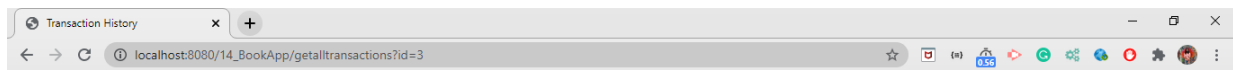
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[Logout](#)

Transaction Info	Date and Time	Amount	Transaction Type
transferred from 2	1970-01-01 10:41:27.0	500.0	WITHDRAW
Transferred from 2	1970-01-01 19:49:46.0	500.0	WITHDRAW



-Transferred from account3 to account4



Transaction History

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Transaction Info	Date and Time	Amount	Transaction Type
Transferred from 3	1970-01-01 19:51:22.0	1000.0	WITHDRAW
Transferred from 3 to 4	1970-01-01 23:09:01.0	500.0	TRANSFER



- Credited to account4 from account3 with transaction information.

The screenshot shows a web browser window with the title 'Transaction History'. The address bar displays 'localhost:8080/14_BookApp/getalltransactions?id=4'. Below the browser window, the page content includes links for 'Home' and 'Logout'. A table titled 'Transaction History' contains one transaction record.

Transaction Info	Date and Time	Amount	Transaction Type
Credited to your account with account number 4 from account number 3	1970-01-01 23:09:01.0	500.0	TRANSFER


- If someone try to login using some random name which is not stored in db.

The screenshot shows a web browser window with the title 'Login'. The address bar displays 'localhost:8080/14_BookApp/login'. Below the browser window, the page content shows an error message in red: 'No account for the provided username and password'. There are two input fields: 'Enter username:' with the value 'hello' and 'Enter password:' with the value 'hello'. A green 'login' button is visible below the input fields.

The screenshot shows a Windows taskbar with the search bar 'Type here to search' and several application icons including Chrome, File Explorer, and others. The system tray on the right shows the date and time as '23:05 02-12-2020'.

2. CUSTOMER LOGIN PAGES

If customer is already registered then he can login to his/her account using credentials.



Customer Login

Enter username:

Enter password:

- Once customer gets lo he can able to see his account number and can able to perform withdraw, transfer, deposit and transaction history operations.



Customer Home

Hello, ramya

(account number - HCL9765432)

[Transaction History](#)

[Transfer](#)

[Withdraw](#)

[Deposit](#)

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- While transferring the money from the customer amount the value of the from customer is disable to enter any new value. So, that transaction takes place correctly.

Transfer amount

Enter from account number:

Enter to account number:

Enter amount to be transferred:

localhost:8080/14_BookApp/transfer

Type here to search

20:01
03-12-2020