Online Bank –

Welcome page -

1. New User

2. Existing

1. New User

Please fill the registration below –

1. Username

2. First Name

3. Last name

4. DOB

5. Email

6. Contact (Mobile, Alternate Contact)

7. Address (house no, plot no, street, city state,)

8. Security question

9. Security Answer

10. Password \*\*\*\*\*\*\*

11. Retype Password \*\*\*\*\*\*\*

Points to keep in mind: -

1. Data retrieved form the user should be inserted into DB in single shot .

2. Password should not have empty spaces.

3. Proper validation should be present on all the fields.

4. Check if the user already exists based on Name and contact no.

**After Registration:**

A. Once the registration is successful, an entry should be made in the Accounts table for the

respective user.

Structure of accounts table should be:

Account

userId

accountNumber

isActive (default : 0)

isLoggedIn

isBelowMinimumBalance

accountBalance

accountNumber

transactionDate

B. A welcome mail should be triggered to user on his registered mail id.

Existing User:

1. Take username and password for logging.

2. Provide 2 retries in case of unsuccessful logins.

3. After 3 attempt, make the account inactive. This should send an e mail “Someone tried

accessing your account with wrong password, we have locked it for safety”.

**Forgot Password**:

**1.** If Security questions answered correctly, send a mail to the user with a temporary

password(random), which should also be saved in database for the user.

**2.** If security questions answered incorrectly, ask 3 retries. Here again, after third attempt,

lock the account.

Tips: -

1. Make sure the java application is object oriented.

2. You should develop your program keeping in mind about central DB.

***Module 2***

 **Forgot Password**

**1. For forgot password, the password sent should be temporary. User should be able to login using temp password.**

**2. After log in, user should be prompted for changing the password and he should not be allowed to use the last 10 passwords on his account.**

 **Successfully signed in user**

**1. A page representing set of features: Account Summary, Make fund transfer, View Passbook, Change password should be displayed.**

**: Account Summary**

**This should show account Number, userName and amount in the account.**

**: View Passbook**

**1. Standard passbook: display the passbook on console with transaction details of last 30 days.**

**2. Custom passbook: It should give an option to user to select the date range. A CSV - Flat File should be printed/generated for the passbook. An e-mail should be send to the user’s mail id with this file as an attachment.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Format of the passbook:** Passbook | | | |
| Name | | | |
| Address | | | |
| Account Number | | | |
| Contact Number | | | |
| Transactions summary | | | |
| Date and Time | Type of Transaction | | Amount |
| 9/2/2016-10:27:00 AM | Debit | | 500 |
| 9/2/2016-10:27:00 AM | | | |
| 9/2/2016-10:27:00 AM | | | |
| 9/2/2016-10:27:00 AM | | | |
| 9/2/2016-10:27:00 AM | | | |
| 9/2/2016-10:27:00 AM | | | |
| Current Balance | | 500 | |

**Module 3**

**1. Fund Transfer:**

User should be allowed to make fund transfers based on below conditions:

a. Users account should be active.

b. After transaction users balance should not go below 0.

c. User should get a mail confirmation of the transaction made.

d. User should be allowed to store remarks in transaction.

Remarks = accountNumberToWhichTxnDone + user’s remarks.

e. The option to show Fund Transfer should be disabled if customer’s account balance is less than 100.

**f.** User should not be allowed to make transfers after 1800 hours or on Saturday/Sunday.

**2. Logout functionality:**

**a.** On every page user should be shown an option to logout.

**b.** Once user selects logout, user should be logged out.

**c.** Once a new user logs in, a timer should start behind the scenes and should log out user after 10 mins forcefully, if user has not logged out.

3. **Change Password:**

a. After login, user should be shown an option to change his password.

b. After user has changed his password, he should get a mail confirmation that his password has been changed.