

Project Name: Global Banking System

A software solution for a Bank is required.

The software should be implemented using Layered Architecture.

This software stores details of users, accounts, and transactions.

This software needs to have the following features:

1. It should store details of users

- Username
- Password
- Creation Date
- Number of Accounts
- List of Account Numbers
- Total Balance
- Contact number

2. It should store details of accounts

- Account Number
- Username
- Account Balance

3. It should store details of transactions

- Transaction Id
- From account
- To Account
- Amount

4. A single user is allowed to have multiple accounts

5. Users are allowed to transfer money from one account to another account

- This can be to another account owned by them
- This can be to another account owned by another user

6. If an account doesn't have enough balance, then the transaction should not take place

7. After each transaction

- The balance should be properly updated for both accounts
- The user's total balance should be properly updated

Mark Split up:

Database - 20

Model – 10

Repository -20

User Interface - 20

Business logic – 20

Execution – 10