

Mini Online-Banking System

Group-2

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Introduction

The goal of this project is to design a simple banking application that provides some basic functionalities of banking such as creating accounts, withdraw from accounts, deposit to accounts, transfer to other accounts along with login and registration. We have used spring boot framework for backend services and vue.js for frontend.

Problem Statement

- User can add transaction (withdrawal or deposit)
- Display period wise transaction details / bank statement
- Add users for payment within the same bank.
- Transfer money to any user already added within the same bank.

Requirements

Hardware Requirements:

MacBook Pro (Retina, 15-inch, Mid 2015)

Processor 2.2 GHz Quad-Core Intel Core i7

Software Requirements:

Frontend:

Npm version: '7.6.0',

Node version: '15.10.0',

v8 version: '8.6.395.17-node.25',

uv version: '1.41.0',

zlib version: '1.2.11'

Backend:

Technology Used

- HTML5
- CSS
- VUE JS
- Spring Boot
- PostgreSQL for database

Features

- Registration page for registering new users into the Bank
- Login page for users to access their accounts
- Welcome page is the landing page where the user can create account
- Different pages for all the functionalities like deposit, withdrawal, transfer, account details and transaction details.

Database schema

Tables

1.Accounts

- UserId(Foreign key)
- Id(Primary key)
- Account No
- Account Balance

2.Transaction

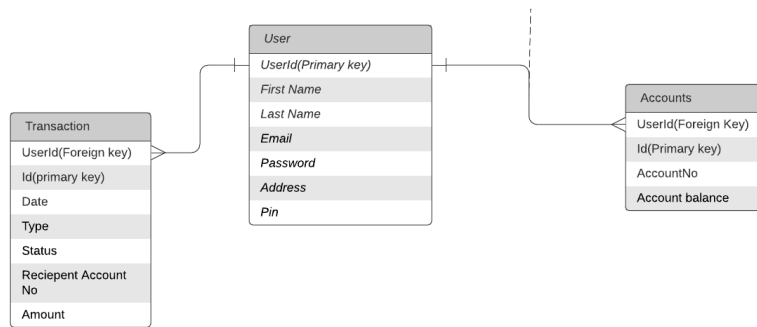
- UserId(Foreign key)
- Id(Primary key)
- Date
- Type{withdrawal,deposit,transfer}
- Status
- Recipient Account No
- Amount

3.User

- User Id(Primary key)
- First Name
- Last Name
- Email
- Password
- Address
- Pin

DBMS ER diagram (UML notation)

chirantan mohanty | March 2, 2021



Api

1.Register microservice-

Api endpoint-/register

1.Create user-Post api

Api endpoint-/createuser

2.Login-Post api

Api endpoint-/login

2.Update microservice

Api endpoint-/update

1.GetAccountDetails-Get api

Api endpoint-/GetAccountDetails

2.Withdraw-Put api

Api endpoint-/withdraw

3.deposit-Put api

Api endpoint-/deposit

4.transfer-Put api

Api endpoint-/transfer

5.getPastTransaction-Get api

Api endpoint-/getPastTransaction

6.getTransactionType-Post api

Api endpoint-/getTransactionType

7.CreateAccount-Post api

Api endpoint-/CreateAccount