PARALLEL PROJECT

**PAYMENT WALLET APPLICATION**

**Introduction**

The project is aimed at creating a Payment Wallet Application. The customer should be able to add money to the wallet, withdraw money from the wallet. The Application should allow customers to check the balance. The facility to transfer funds should be allowed from one account to another account. An option to print previous transactions should also be made.

Problem Statement:

* To create payment wallet application for XYZ bank.
* Customers will be able to park their money in the wallet.
* Application should allow customers to check the balance, deposit money etc.

**Layered Architecture:**

**Classes and Packages:**

The layered architecture used in this application consists of following packages.

* com.capgemini.walletapp.bean
  + This package consist of class CustomerWalletDetails
* com.capgemini.walletapp.dao
  + This package consist of class WalletDao
  + This package consist of interface IWalletDao
* com.capgemini.walletapp.service
  + This package consist of class WalletService
  + This package consist of interface IWalletService
  + This package consist of class WalletDataValidate
* com.capgemini.walletapp.ui
* This package consist of class Customer
* com.capgemini.walletapp.test
* This package consist of class WalletdataValidateTest
* com.capgemini.walletapp.exceptions
* This package consist of class NoBalanceFoundException

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| |  |  | | --- | --- | | **Packages** | **Classes** | | com.capgemini.walletapp.bean | WalletDetails | | com.capgemini.walletapp.dao | WalletDAO  IWalletDAO | | com.capgemini.walletapp,exception | NoBalanceException | | com.capgemini.walletapp.service | IWalletService  WalletService  WalletDataValidate | | com.capgemini.walletapp.test | WalletDataValidateTest | | com.capgemin.walletapp.ui | Customer | |

Methods and Interfaces:

1. Bean Class:

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| WalletDetails |
| - firstname: String  - lastname: String  - accNum: long  - String gender: String  - age: int  - mobileNum: String  - email: String  - amount: String  - username: String  - password: String  - date: LocalDate   |  | | --- | | Appropriate getters and setters and toString methods | |

1. Service and DAO Interface

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| Interface IWalletService/DAO |
| +createAcc();  +deposit();  +withdraw();  +showBal();  +fundTransfer();  +printTransaction(); |

1. Service and Dao class:

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| Class WalletService/DAO |
| Implementation for above abstract methods |