**PaymentWalletApplication**

Documentation

**Introduction:**

The payment wallet application project is used by XYZ bank. It helps the customer to park their money in the wallet. This application allow customers to create an account, check the balance, deposit money, with draw money, fund transfer and print transaction.

**Layered Architecture:**

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

* com.capgemini.walletapp.bean
  + WalletApplicationDetails
* com.capgemini.walletapp.ui
  + WalletClient
* com.capgemini.walletapp.service
  + WalletAppService
  + IWalletAppService(Interface)
  + WalletValidation
* com.capgemini.walletapp.dao
  + WalletAppDao
  + IWalletAppDao(Interface)
* com.capgemini.walletapp.test
  + WalletappTest
* com.capgemini.walletapp.exception
  + InsufficientBalanceException

**Classes and Interfaces:**

1. **WalletApplicationDetails**

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| WalletApplicationDetails |
| -String firstName  -String lastName  -string gender  -long accNo  -String mobileNo  -int age  -LocalDate date  -String email  -String username  -String password  -String amount |
| +All setters, getters and toString function |

1. **WalletAppService**

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| --- |
| IWalletAppService |
| +createAccount()  +showBalance()  +deposit()  +withdraw()  **+**fundTransfer()  +printTransaction() |

|  |
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| WalletAppService |
| Implements all methods of IWalletAppService Interface |

1. **WalletAppDao**

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| --- |
| IWalletAppDao |
| +createAccount()  +showBalance()  +deposit()  +withdraw()  +fundTransfer()  +printTransaction() |

|  |
| --- |
| WalletAppDao |
| Implements all methods of IWalletAppDao |

**Test Class**

The test class contains all the set of test methods and their implementation using JUnit.

**Exception Class**

The exception package contains all the userdefined exception classes.