Technical Design Document

Project name: **Wallet App**

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**Introduction:**

Wallet App is created to meet the needs of online wallet application, with 1 actor: Customer. The architecture implemented is Spring Boot.

**Functional Requirements:**

The functional requirements of the project are:

**For the User:**

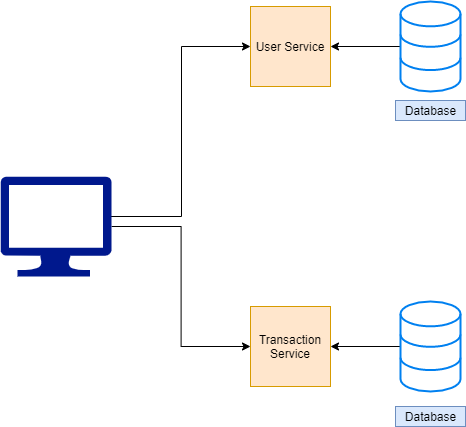
* Login/Register
* Withdraw
* Deposit
* Transfer
* View Transactions
* View Balance
* Update Account

**Services**

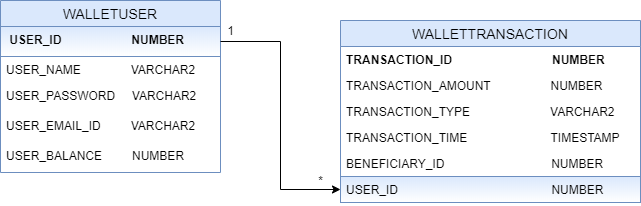
The different services in which this project is divided into are:

* **User Service:** Register a new account and login (as a customer), View Balance.
* **Transaction Service:** Withdraw, Deposit, Fund Transfer and View Transactions

**Overall Architecture Diagram:**



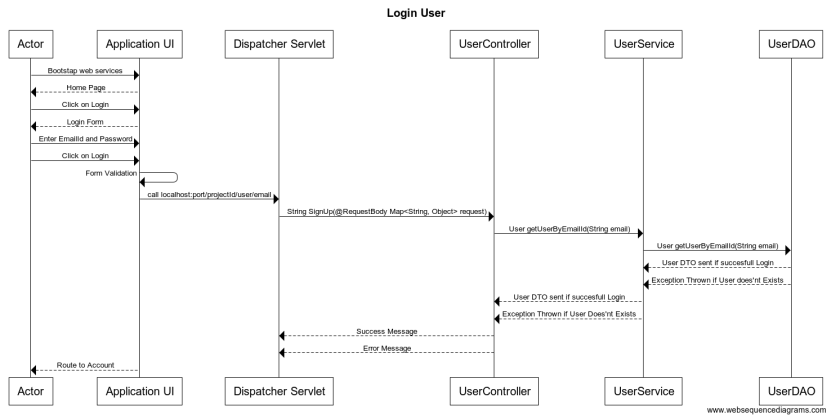
**Overall Entity Relationship Diagram:**



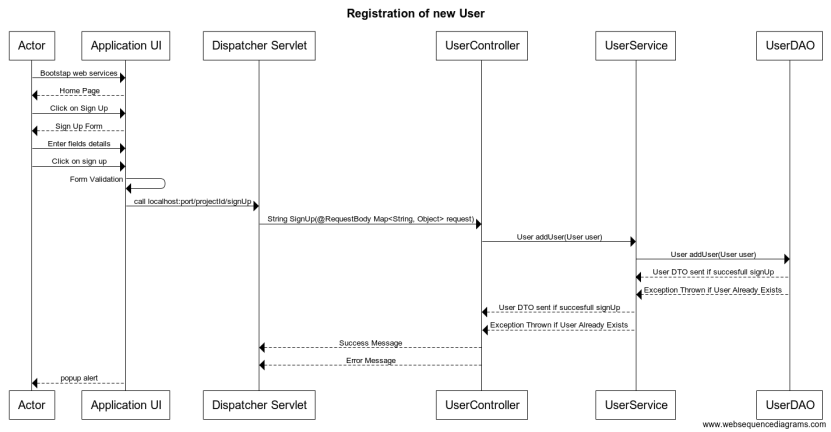
**Sequence Diagrams**

**User Service:**

**Login –**

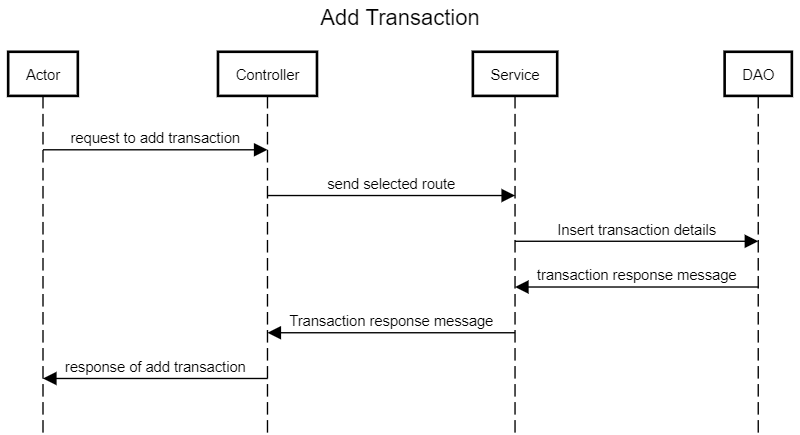


**Registration of new User –**

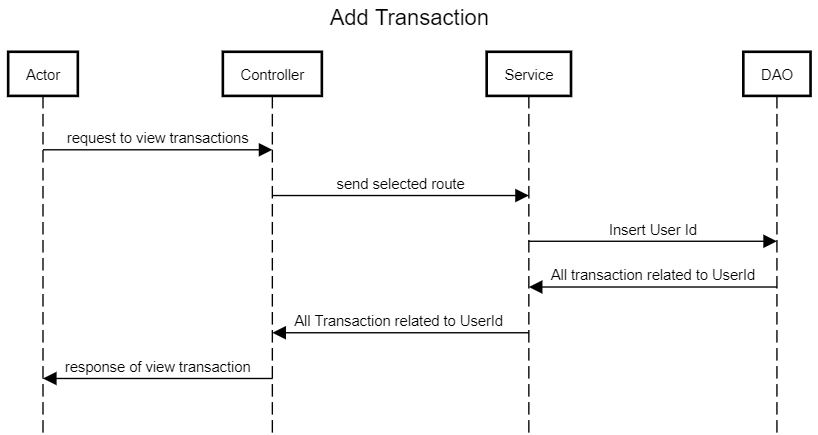


**Transaction Service:**

**Add transaction:**

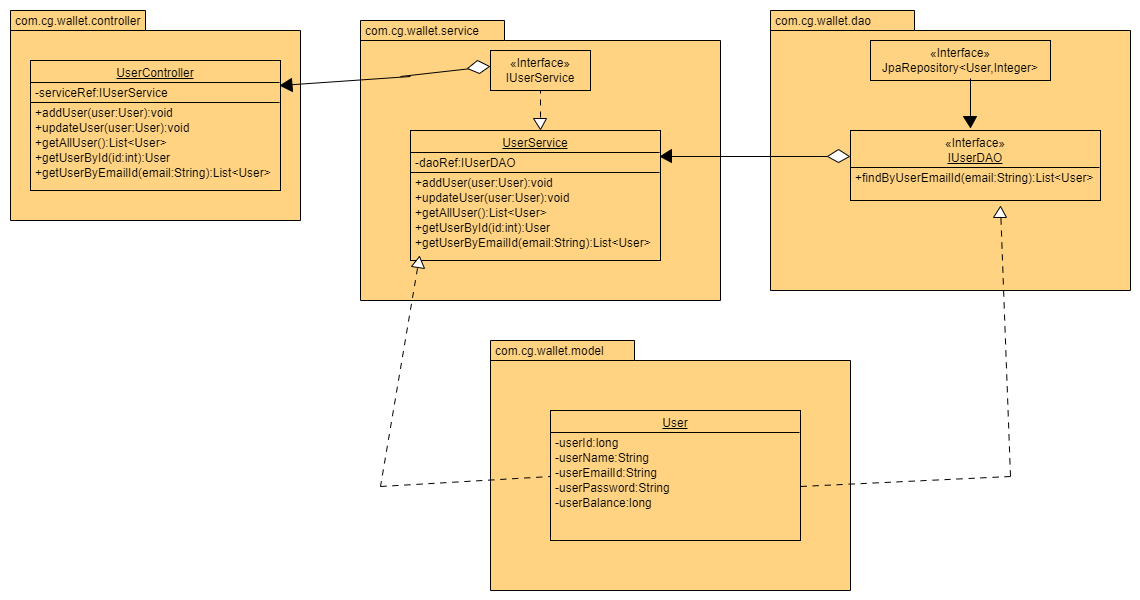


**List Transactions By User Id:**

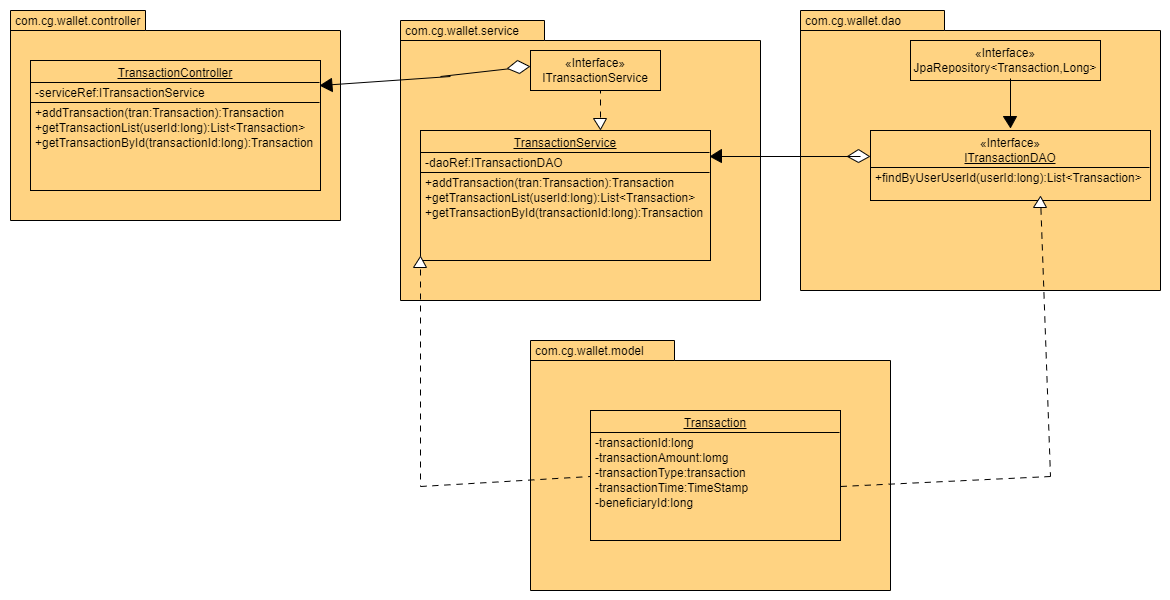


**Class Diagrams**

User Service:



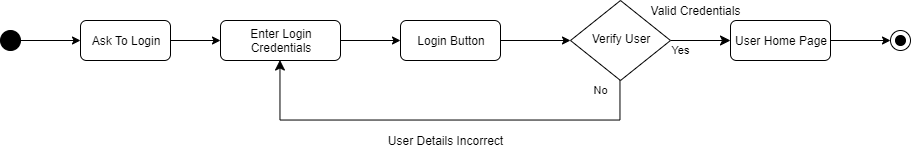
Transaction Service:



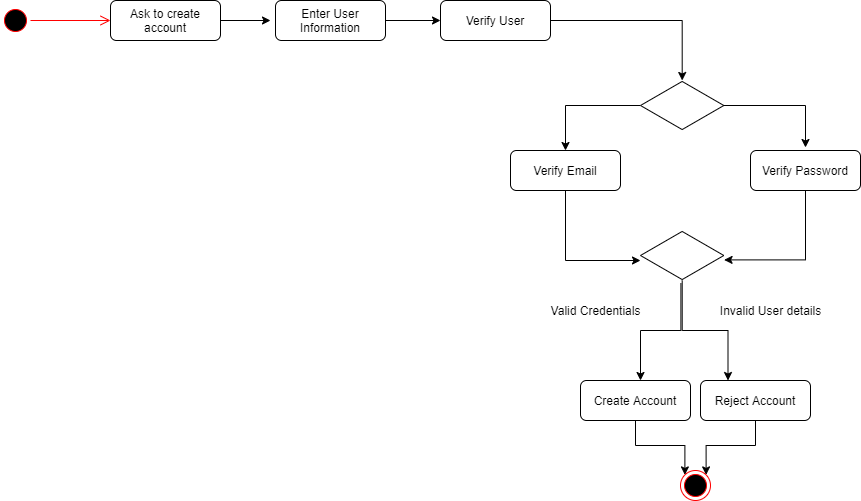
**Activity Diagrams**

User Service:

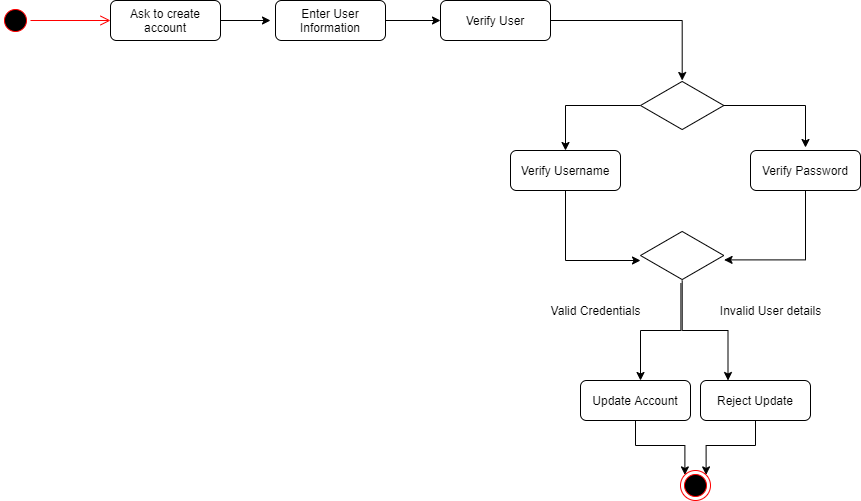
**Login:**



**Registration:**

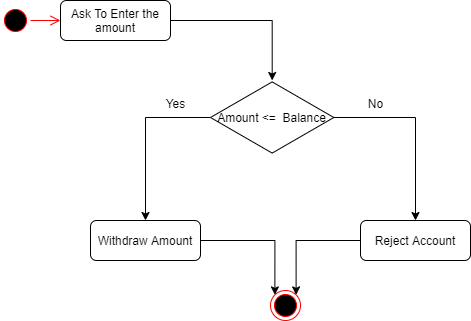


**Update Account Settings:**



Transaction Service:

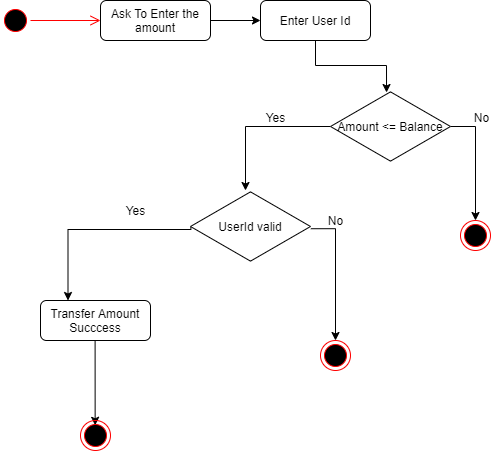
**Withdraw:**



**Deposit:**



**Fund Transfer:**

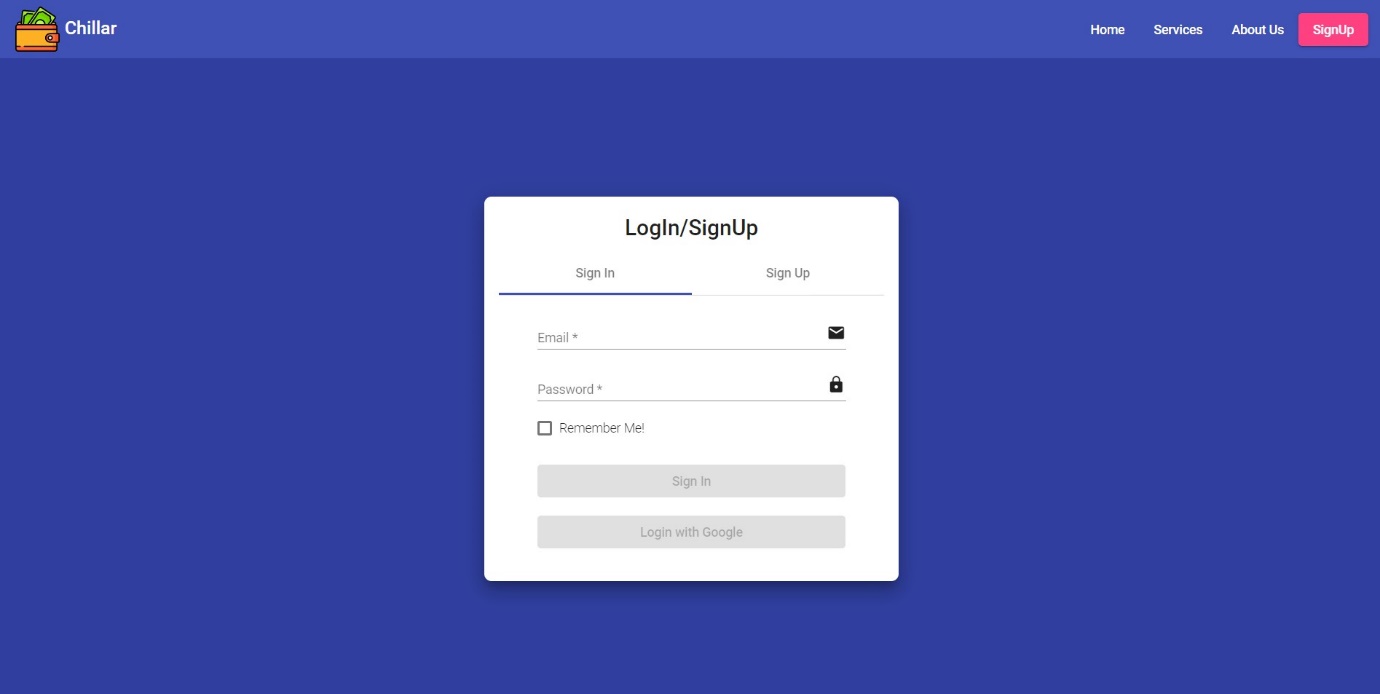


**View Transactions:**

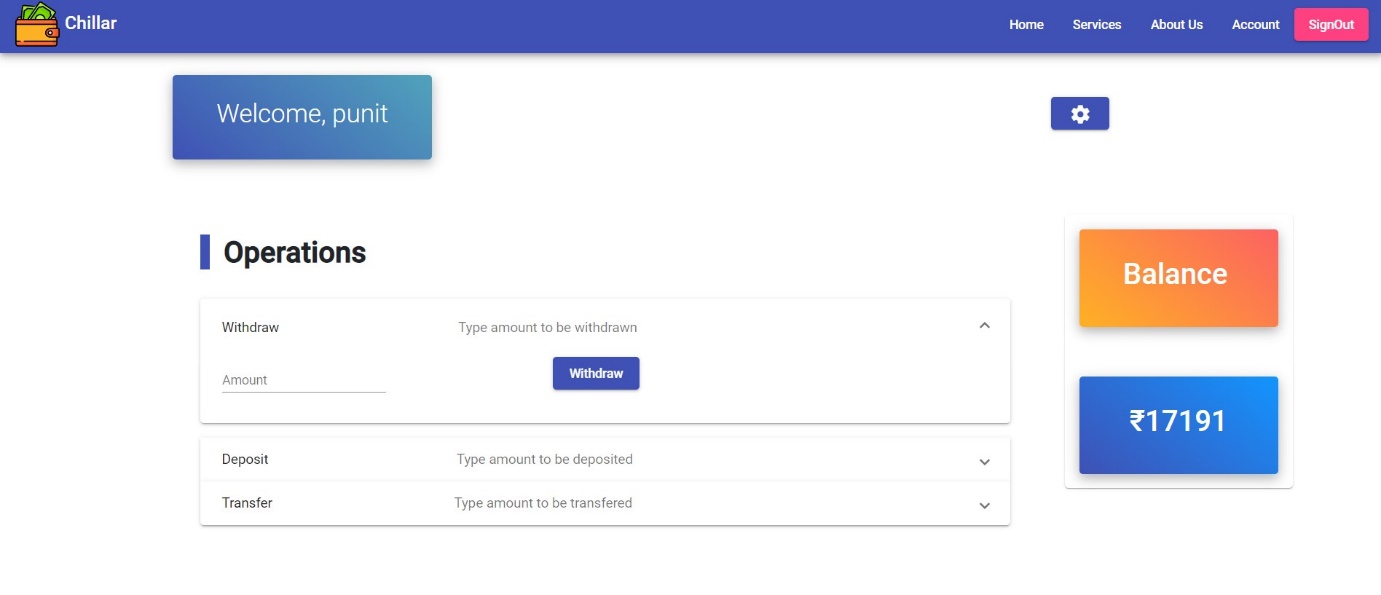


**Wireframes**

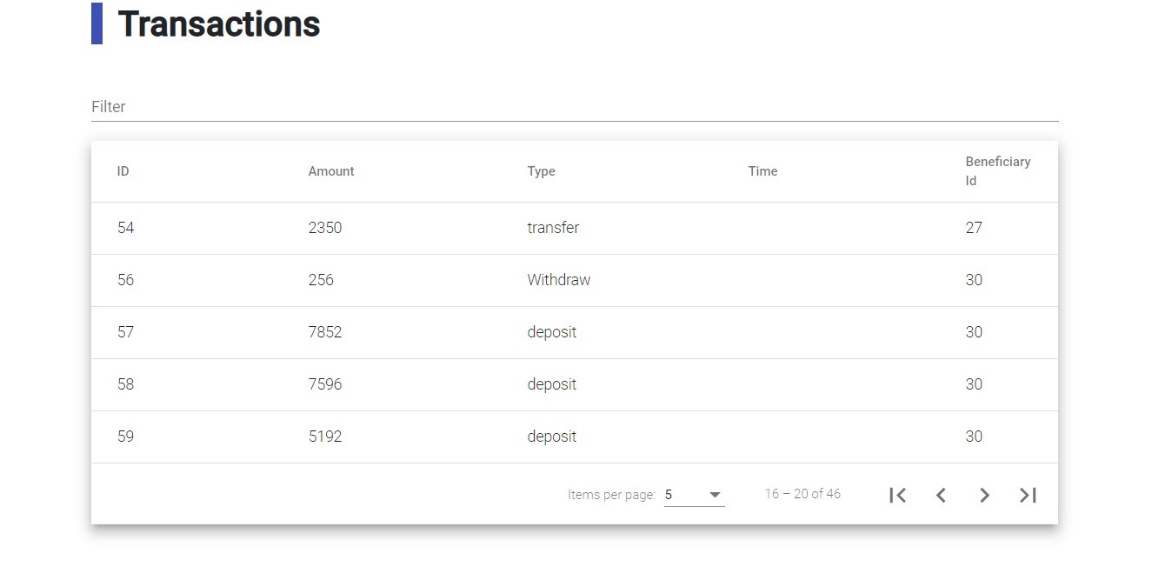
**User Login:**



**User Account:**



**Transactions:**



**Account Setting:**

