**Wallet Application:**

Wallet Application contains below operations:

1. Debit balance from wallet
2. Credit balance to wallet
3. Get Wallet Balance

Wallet Application has details of two Users details hardcoded with an initial wallet balance of 0.0. Each user has an unique id. External users can consume the REST API to debit/credit activity with an unique again as well and the transaction history would be recorded.

Debit and Credit activity are differentiated with transaction type. DEBIT for Debit transaction type

CREDIT for Credit transaction type

ChangeValue indicates the balance to be debited or to be credited.

**Below are API URIs:**

* Debit Balance: **http://localhost:8080/digitalwallet/debitaction/**
* Credit Balance: **http://localhost:8080/digitalwallet/creditaction/**
* Get Wallet Balalnce by userId: **http://localhost:8080/digitalwallet/WALLET001**

**Technologies used:**

Java

Spring Boot

REST API

Apache Maven

**Steps to build the project in your machine:**

1. Download the ZIP file from github mentioned below, unzip it and import to Eclipse.
2. Have your Apache Maven installed in your machine and build the project. To do this follow the below command: Right click on imported project, select Run As 🡪 Maven Build 🡪 enter “clean install” in goal textbox in the pop up window.
3. To run the project, right click on project and run as Spring Boot application.

**To test the application, use SOAP UI/Postman:**

1. Check Wallet balance by userid(WALLET001)
2. Perform Credit Activity with mentioned JSON request
3. Check Wallet balance by userid(WALLET001)
4. Perform Dedit Activity with mentioned JSON request
5. Check Wallet balance by userid(WALLET001)
6. Check if debit balance is greater than zero.