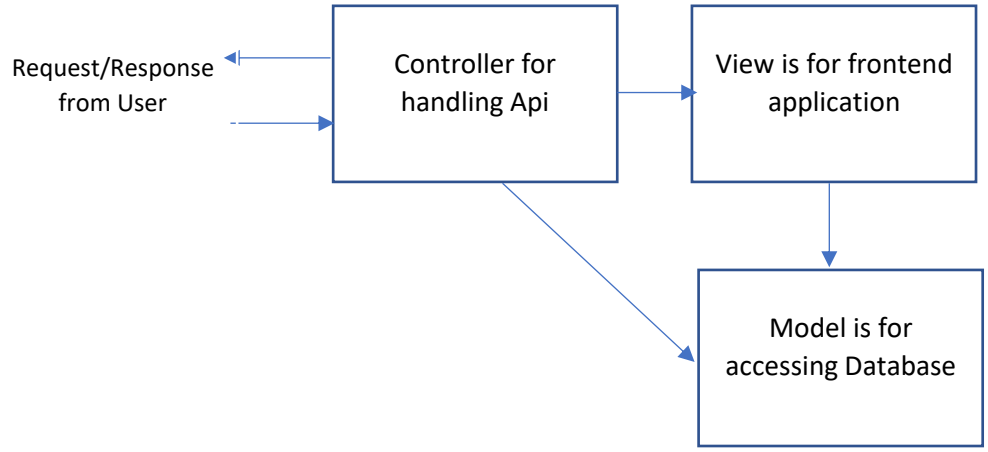
This is the documentation of the given Project (“Wallet Application”) . Here I have described the whole project. Please read this documentation before run the project .

I have used Spring Boot to build the project. MVC (Model – View – Controller) design pattern is used here.



Pic: - MVC design pattern

For Api documentation, I have used Swagger. The Swagger-ui url is “Swagger UI”.

The required steps –

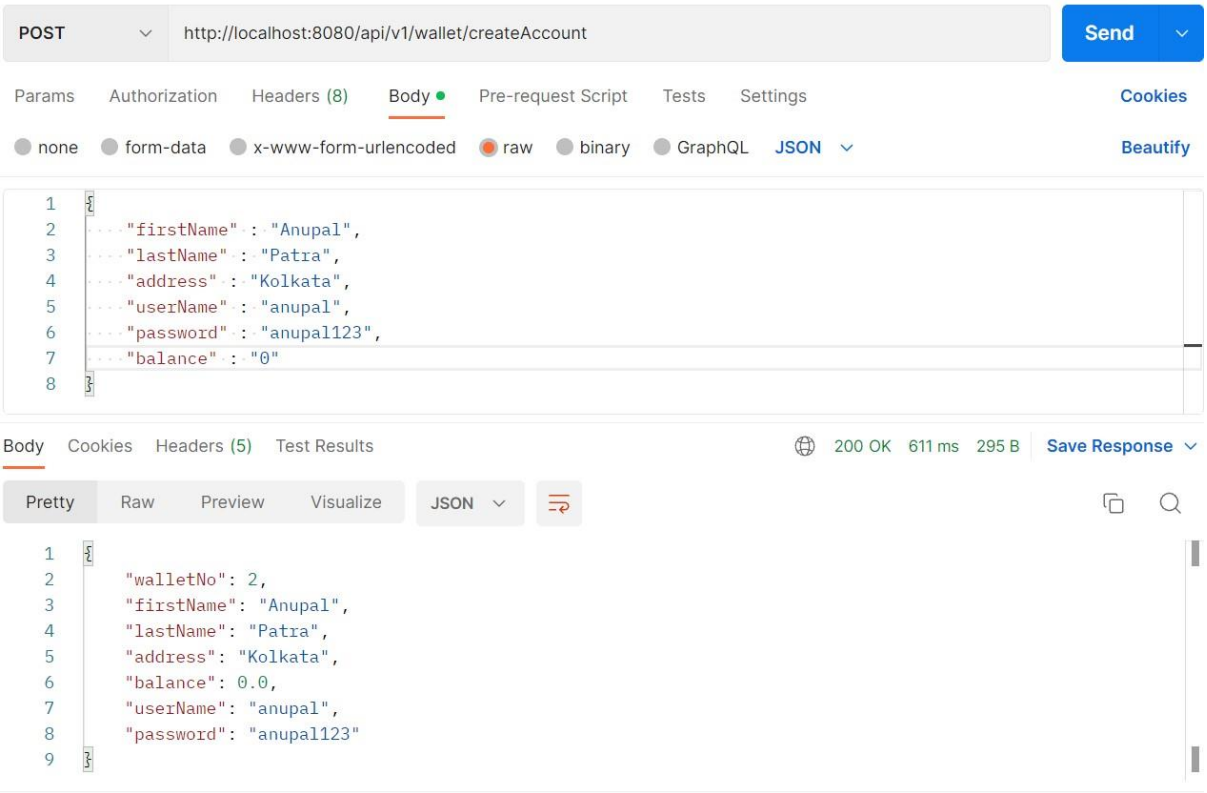
Step 1 – For this project purpose , I have used mysql database. In mysql database , please create a database with the name “walletdb”.

Step 2 - Next, Run the Main class of spring boot application.

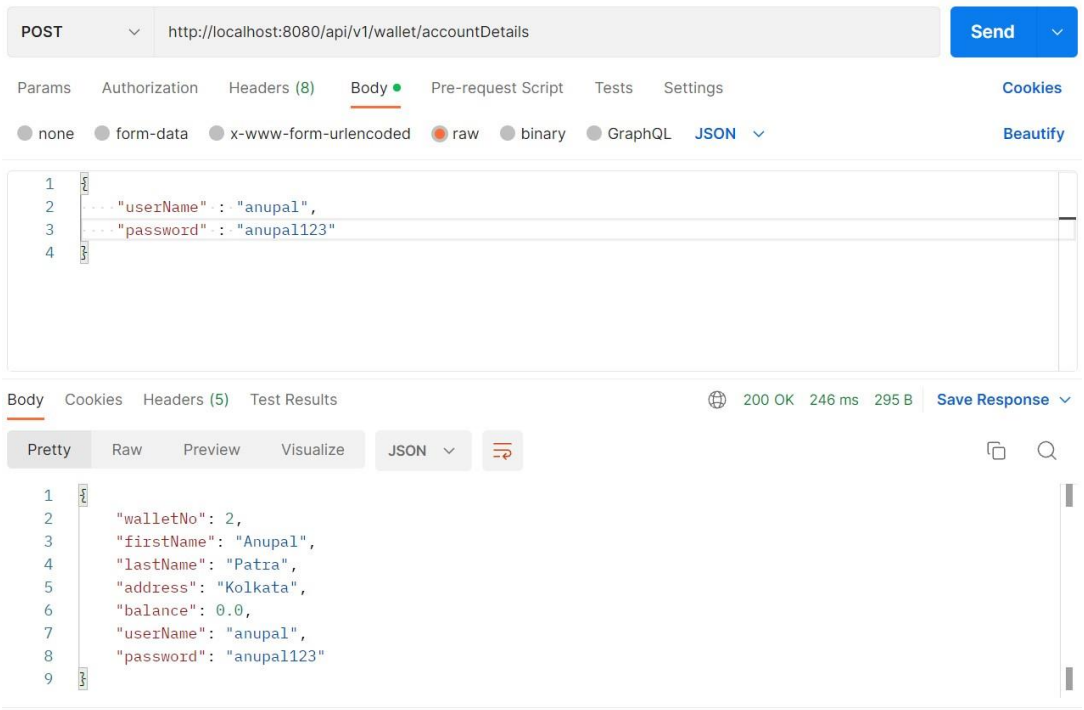
Step 3- Next , Goto the “Swagger UI” and select “wallet-controller”.

Step 4- You need to create an user account to access the wallet. So, Goto the Api – “createWallet” and create an user.

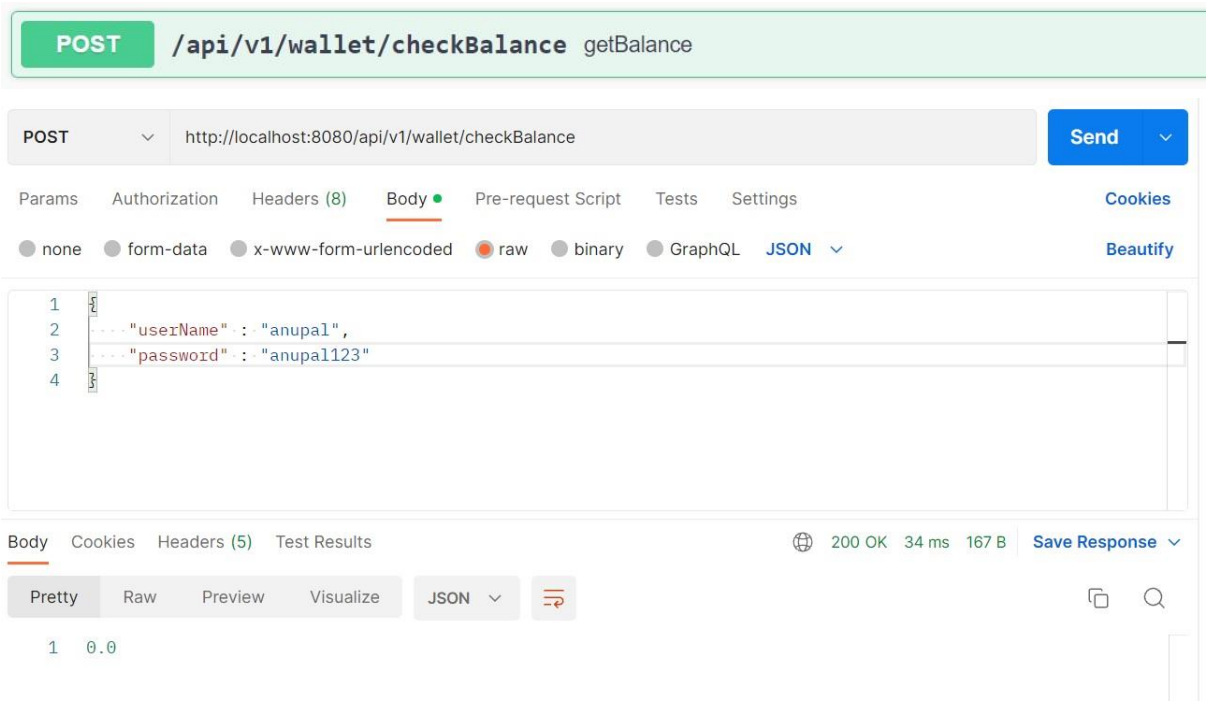
In this Api – username , “password” field is mandatory. Please give those field value. Do no give the “walletNo” . Spring automatically create the value.



Step 5- Next, You can check Account Details , Balance check from that. For checking account details, you can visit – "accountDetails" api . Please provide "userName" and "password".

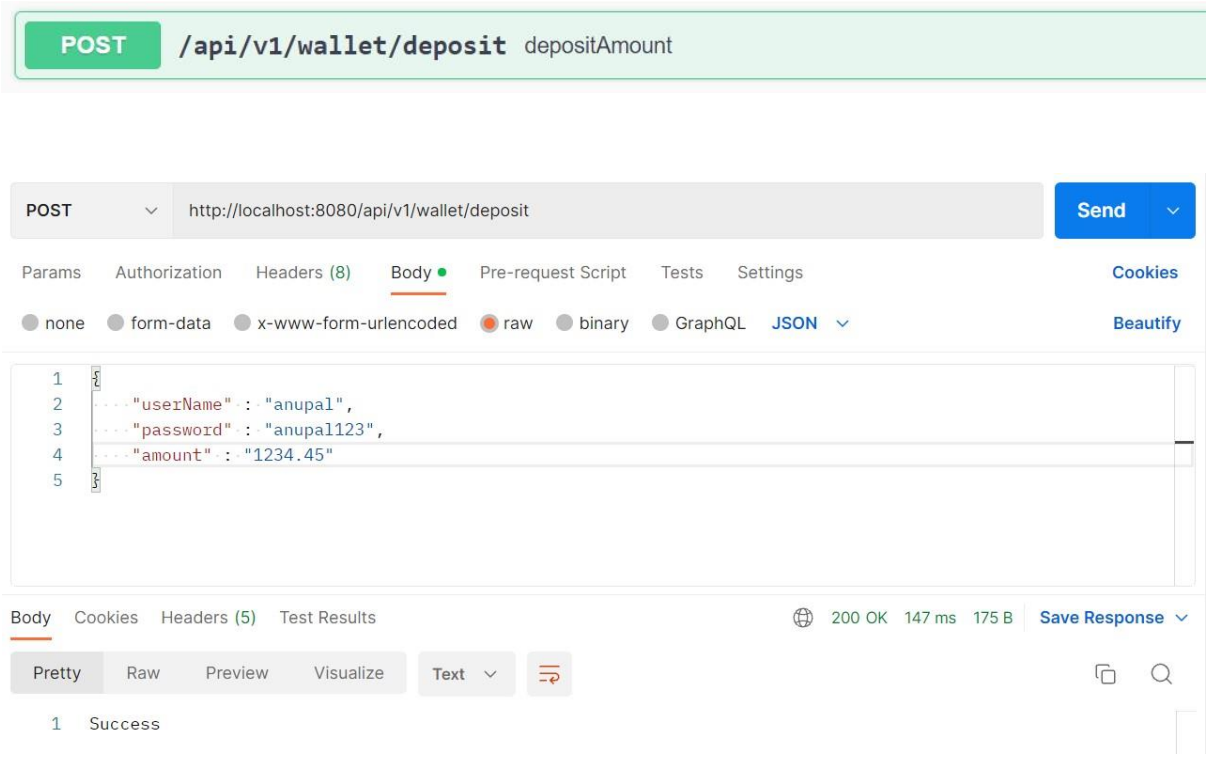


For checking balance, you can visit – "checkBalance" api.



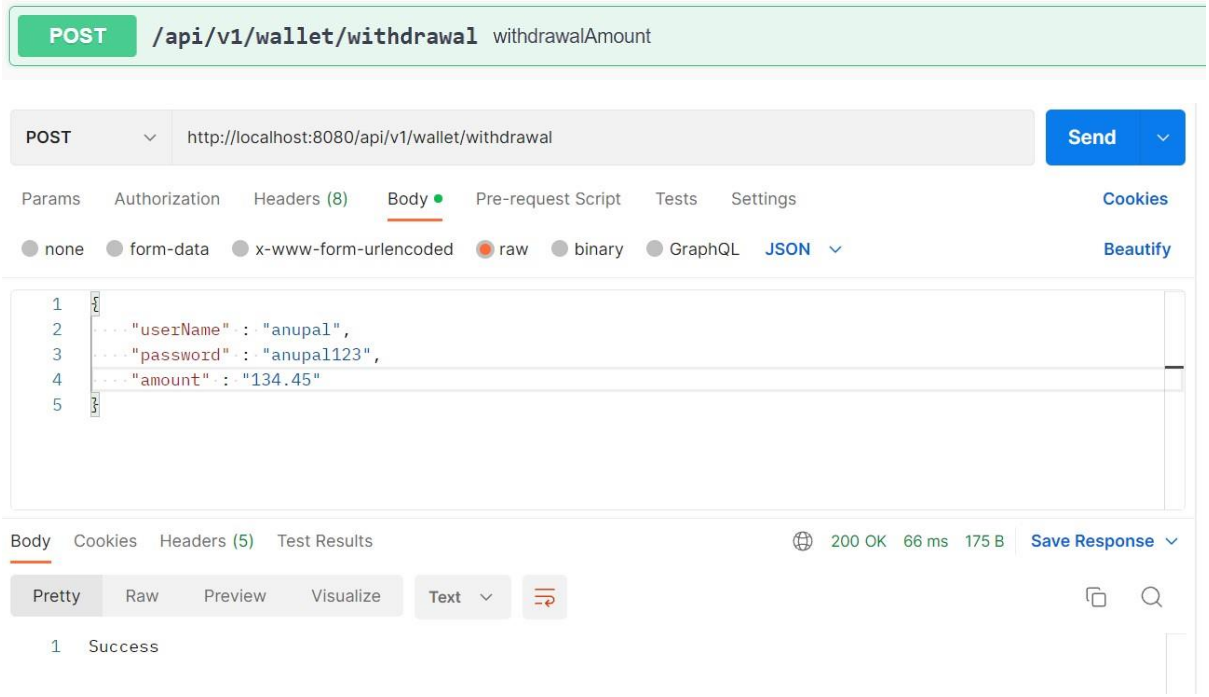
Step 6 – For amount deposit transaction, you can use – “deposit” api.

Please provide the values of “username” , “password” and “amount” field.



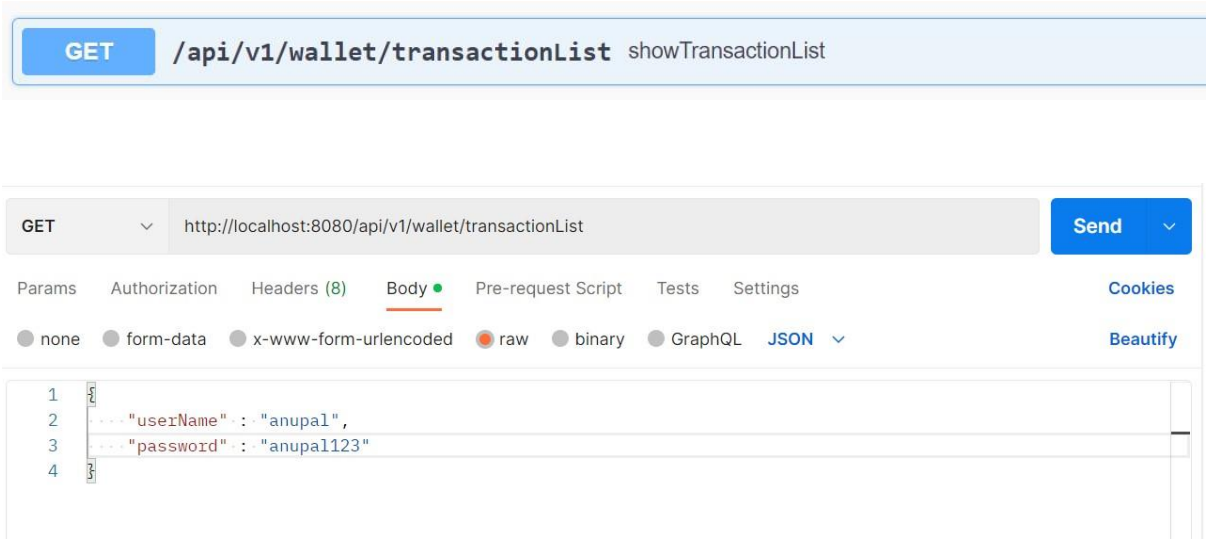
Step 7 – For amount withdrawal transaction, you can use – “withdrawal” api.

Please provide the values of “username” , “password” and “amount” field.



Step 8 – Also you can see all the transaction details . you can use – “transactionList” api.

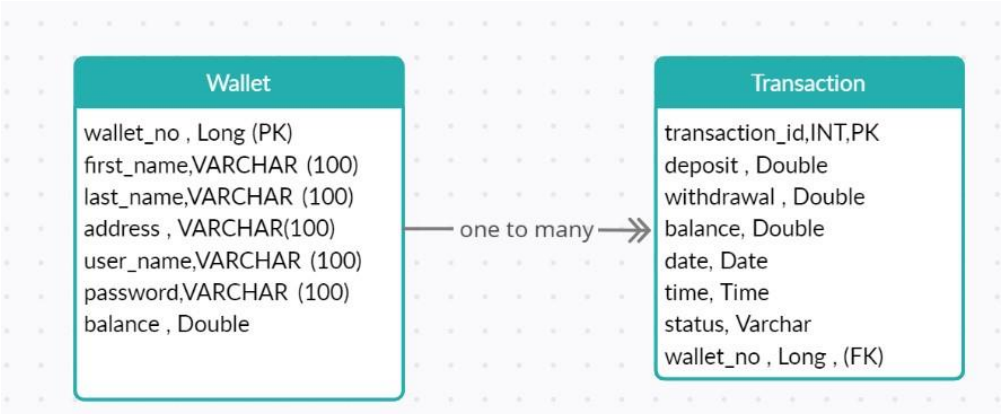
Please provide the values of “username” , “password” field.




```
[
    {
        "transactionId": 52,
        "deposit": 1234.45,
        "withdrawal": null,
        "balance": 1234.45,
        "date": 1666204200000,
        "time": "16:16:17",
        "status": "Success",
        "wallet": {
            "walletNo": 2,
```

```
            "firstName": "Anupal",
            "lastName": "Patra",
            "address": "Kolkata",
            "balance": 1100.0,
            "userName": "anupal",
            "password": "anupal123"
        }
    },
    {
        "transactionId": 53,
        "deposit": null,
        "withdrawal": 134.45,
        "balance": 1100.0,
        "date": 1666204200000,
        "time": "16:17:58",
        "status": "Success",
        "wallet": {
            "walletNo": 2,
            "firstName": "Anupal",
            "lastName": "Patra",
            "address": "Kolkata",
            "balance": 1100.0,
            "userName": "anupal",
            "password": "anupal123"
        }
    }
]
```


For the project purpose , I have designed the database schema. The picture is given below.



Thank you , for giving me the opportunity. I have completed the project as per your requirement . My email – patra.anupal@outlook.com. If you need any additional details, Let me know.