

WALLET-ENGINE

github-repo :

<https://github.com/greyhands2/wallet-engine>

This document explains the code implementation of this test project

The project was built and tested on a local machine and also using Insomnia API tester hence the wallet-engine.json in the github repository

API information

Port: 3400

sample url:

<http://localhost:3400/api/debit/6258704d71892173013018eb>

User Resource Group : /user

Signup: /signup

URL : <http://localhost:3400/api/user/signup>

Method: POST

Sample Request : {
 "username": "new bobo",
 "email": "newbobo@gmail.com",
 "password": "Test1234",
 "passwordconfirm": "Test1234"
}

Sample Response: user &{ObjectID("62579fdde29c9dd18251ff38")}
created successfully

Login: /login

URL : <http://localhost:3400/api/user/login>

Method: POST

Sample Request : {
 "email": "akpansilas@gmail.com",
 "password": "Test1234"
}

```

Sample Response: {
  "_id": "625781d32552bf6bececcd11",
  "username": "akpan silas",
  "password": "",
  "passwordconfirm": "",
  "email": "akpansilas@gmail.com",
  "token":
    "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJFbWFpbCI6ImFrcGFuc2lsYXNAZ21haWwuY29tliwiVXNlcm5hbWUiOiJha3BhbiBzaWxhcylsIlVpZCI6IjYyNTc4MWQzMjU1MmJmNmJlY2VjY2QxMSIsImV4cCI6MTY0OTk4ODQzNX0.bavDV5kEgT6D67_U3m99ixNf4TPPWwV4E9l-vJHHnTY",
  "refresh_token":
    "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJFbWFpbCI6IiIsIlVzZXJuYW1lIjoiliwiVWlkljoiliwiZXhwIjoxNjQ5OTg4NDM1fQ.YNtvFq0hCCNOfoTJvdRxTA-rQBxqP8GHfI3WOk1r49E",
  "created_at": "2022-04-14T02:07:15Z",
  "updated_at": "2022-04-14T02:07:15Z",
  "user_id": "625781d32552bf6bececcd11"
}

```

IMPORTANT NOTE : From this point onwards a bearer token auth method is to be attached to every request. This bearer token should be populated with the token gotten from login

Wallet Resource Group : /wallet

Create Wallet: /

URL : <http://localhost:3400/api/wallet/>

Method: POST

Sample Request : none

Sample Response: {

```

  "InsertedID": "6258827e898729d9274dabd8"
}

```

Get Wallet Balance: /

URL : <http://localhost:3400/api/wallet/>

Method: GET

Sample Request : none

Sample Response: {

```
"_id": "6257b6ec646e743d4a609940",  
"username": "akpan silas",  
"created_at": "2022-04-14T05:53:48Z",  
"updated_at": "2022-04-14T18:52:15Z",  
"user_id": "625781d32552bf6beccecd11",  
"wallet_id": "6257b6ec646e743d4a609940",  
"activated": true,  
"Balance": 50000  
}
```

Deactivate Wallet: /deactivateWallet

URL : <http://localhost:3400/api/wallet/deactivateWallet>

Method: PATCH

Sample Request : none

Sample Response: Successfully deactivated wallet

Activate Wallet: /activateWallet

URL : <http://localhost:3400/api/wallet/activateWallet>

Method: PATCH

Sample Request : none

Sample Response: Successfully activated wallet

Credit Wallet: /creditWallet

URL : http://localhost:3400/api/wallet/creditWallet/:cardId

Method: PUT

```
Sample Request : {  
    "amount":35000  
}
```

Sample Response: Credit Successful

Debit Wallet: /debitWallet

URL : http://localhost:3400/api/wallet/debitWallet/:walletId

Method: PUT

```
Sample Request : {  
    "amount":2000,  
    "purpose":"chips"  
}
```

Sample Response: Debit transaction successful

Card Resource Group : /card**Add Card: /**

URL : http://localhost:3400/api/card/

Method: POST

```
Sample Request : {  
    "authorization_code": "23y8ye87wy23823y87283y8798312",  
    "card_type": "master",  
    "last4": "1235",  
    "exp_month": "12",  
    "exp_year": "2026",  
    "card": "123123123124545",  
    "channel": "234e32e23e23e23ewewe",  
    "signature": "iwoerijowie343ew",  
    "reusable": true,  
    "country_code": "NIG"
```

```
}  
Sample Response: {  
  "InsertedID": "62588858898729d9274dabd9"  
}
```

Get All Cards: /

URL : <http://localhost:3400/api/card/>

Method: GET

Sample Request : none

Sample Response: [
{

```
  "_id": "625810b2599970cf99860bc3",  
  "card_id": "625810b2599970cf99860bc3",  
  "authorization_code": "23y8ye87wy23823y87283y",  
  "card_type": "visa",  
  "last4": "1234",  
  "exp_month": "12",  
  "exp_year": "2025",  
  "card": "123123123123",  
  "channel": "234e32e23e23e23e",  
  "signature": "iwoerijowieew",  
  "reusable": true,  
  "country_code": "NIG",  
  "user_id": "625781d32552bf6beccecd11",  
  "created_at": "2022-04-14T12:16:50Z",  
  "updated_at": "2022-04-14T12:16:50Z"
```

```
},
```

```
{
```

```
  "_id": "6258143b3af8a3ba8f2790a8",  
  "card_id": "6258143b3af8a3ba8f2790a8",  
  "authorization_code": "23y8ye87wy23823y87283y8798312",  
  "card_type": "master",  
  "last4": "1235",  
  "exp_month": "12",  
  "exp_year": "2026",  
  "card": "123123123124545",  
  "channel": "234e32e23e23e23ewewe",  
  "signature": "iwoerijowie343ew",
```

```
"reusable": true,  
"country_code": "NIG",  
"user_id": "625781d32552bf6bececcd11",  
"created_at": "2022-04-14T12:31:55Z",  
"updated_at": "2022-04-14T12:31:55Z"  
}  
]
```

Get One Card: /:cardId

URL : http://localhost:3400/api/card/:cardId

Method: GET

Sample Request : none

Sample Response:

```
{  
  "_id": "625810b2599970cf99860bc3",  
  "card_id": "625810b2599970cf99860bc3",  
  "authorization_code": "23y8ye87wy23823y87283y",  
  "card_type": "visa",  
  "last4": "1234",  
  "exp_month": "12",  
  "exp_year": "2025",  
  "card": "123123123123",  
  "channel": "234e32e23e23e23e",  
  "signature": "iwoerijowieew",  
  "reusable": true,  
  "country_code": "NIG",  
  "user_id": "625781d32552bf6bececcd11",  
  "created_at": "2022-04-14T12:16:50Z",  
  "updated_at": "2022-04-14T12:16:50Z"  
}
```

Delete Card: /:cardId

URL : http://localhost:3400/api/card/:cardId

Method: DELETE

Sample Request : none

Sample Response:

"Card Sucessfully deleted"

Credits Resource Group : /credit**Get All Credit Transactions: /**

URL : http://localhost:3400/api/credit/

Method: GET

Sample Request : none

Sample Response: [

```
{
  "_id": "62586b4b15421e2ea95df152",
  "credit_id": "62586b4b15421e2ea95df152",
  "user_id": "625781d32552bf6beccecd11",
  "amount": 5000,
  "status": "successful",
  "paid": true,
  "disabled": false,
  "txn_ref": "536f1676a29491f",
  "created_at": "2022-04-14T18:43:23Z",
  "updated_at": "2022-04-14T18:43:23Z"
```

```
},
{
  "_id": "62586b7015421e2ea95df153",
  "credit_id": "62586b7015421e2ea95df153",
  "user_id": "625781d32552bf6beccecd11",
  "amount": 35000,
  "status": "successful",
  "paid": true,
  "disabled": false,
  "txn_ref": "44da0ca66f11722",
  "created_at": "2022-04-14T18:44:00Z",
```

```
"updated_at": "2022-04-14T18:44:00Z"
}
]
```

Get One Credit Transaction: /:creditId

URL : http://localhost:3400/api/credit/:creditId

Method: GET

Sample Request : none

Sample Response:

```
{
  "_id": "62586b4b15421e2ea95df152",
  "credit_id": "62586b4b15421e2ea95df152",
  "user_id": "625781d32552bf6beccecd11",
  "amount": 5000,
  "status": "successful",
  "paid": true,
  "disabled": false,
  "txn_ref": "536f1676a29491f",
  "created_at": "2022-04-14T18:43:23Z",
  "updated_at": "2022-04-14T18:43:23Z"
}
```


Debits Resource Group : /debit

Get All Debit Transactions: /

URL : <http://localhost:3400/api/debit/>

Method: GET

Sample Request : none

Sample Response: [

```
{
  "_id": "6258704d71892173013018eb",
  "debit_id": "6258704d71892173013018eb",
  "user_id": "625781d32552bf6beccecd11",
  "wallet_id": "6257b6ec646e743d4a609940",
  "amount": 2000,
  "purpose": "chips",
  "created_at": "2022-04-14T19:04:45Z",
  "updated_at": "2022-04-14T19:04:45Z"
}]
```

Get One Debit Transaction: /:debitId

URL : <http://localhost:3400/api/debit/:debitId>

Method: GET

Sample Request : none

Sample Response:

```
{
  "_id": "6258704d71892173013018eb",
  "debit_id": "6258704d71892173013018eb",
  "user_id": "625781d32552bf6beccecd11",
  "wallet_id": "6257b6ec646e743d4a609940",
  "amount": 2000,
  "purpose": "chips",
  "created_at": "2022-04-14T19:04:45Z",
  "updated_at": "2022-04-14T19:04:45Z"
}
```