Sprint 2

Team ID	PNT2022TMID04671
Project Name	Personal Expense Tracker

DASHBOARD PAGE SNAPSHOTS

Welcome back, Riyazur Razak N

RR

500000	-	**250000**	=	**250000**	
Income		Expense		Available Balance	

heading

Expense | **Income**

Amount

Add Income

Welcome back, Riyazur Razak N

RR

500000	-	**250000**	=	**250000**	
Income		Expense		Available Balance	

heading

Expense | Income

Amount

- ✓ INR
- AED
- AFN
- ALL
- AMD
- ANG
- AOA
- ARS
- AUD
- AWG
- AZN
- BAM
- BBD

ur transaction

Add Expense

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500000 — 250000 = 250000
Income   Expense   Available Balance

heading

Expense   Income

Amount
INR

Category
Select option

Description
Describe your transaction

Add Expense

BACKEND CODE & RESPONSE SNAPSHOTS

File Edit Selection View Go Run Terminal Help   transactions.py - expense_tracker - Visual Studio Code

EXPLORER

app.py M   run.py   register.py M   login.py   transactions.py U   budgets.py U

OPEN EDITORS
    app.py   M
    run.py migration
    register.py controllers   M
    login.py controllers
    transactions.py controllers   U
    budgets.py controllers   U

EXPENSE_TRACKER
    certificates
    controllers
        __pycache__
        budgets.py   U
        login.py
        register.py   M
        transactions.py   U
    db
    migration
    app.py   M

controllers > transactions.py > Transactions > post

```
 96    def post(self):
 97        payload = request.json
 98        try:
 99            self.__middleware()
100            self.__sanitizer(payload)
101            currency = payload["currency"]
102            amount = payload["amount"]
103            if currency != self.user[4]:
104                url = "https://api.apilayer.com/exchangerates_data/convert?to={}&from={}&amount={}".format(self.user[4],
105                headers= {
108                response = requests.get(url, headers=headers)
109                data = response.json()
110                amount = data["result"]
111
112            ibm_db.exec_immediate(db, "INSERT INTO TRANSACTIONS(AMOUNT, DATE, CATEGORY, DESCRIPTION, TYPE, USER) VALUES(
113            return json.dumps({"status": "Success", "data": None, "message": "Transaction Created Successfully"})
114        except ValueError as e:
115            return json.dumps(e.args)
116        except Exception as e:
117            print("error")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   GITLENS   TERMINAL   JUPYTER

```
Riyazur Razak@LAPTOP-6KU7KOHB MINGW64 ~/Documents/expense_tracker (main)
$ python app.py
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 965-351-214
 * Detected change in 'C:\\Users\\Riyazur-Razak\\Documents\\expense_tracker\\controllers\\transactions.py', reloading
 * Restarting with stat
```

OUTLINE
TIMELINE

main*   0 0   Live Share   Ln 109, Col 39   Spaces: 4   UTF-8   CRLF   Python   3.10.7 64-bit   Pos 3866   Go Live   Prettier

```
{
    "category": "Foods",
    "amount": "1",
    "type": "D",
    "date": "2022-11-16",
    "description": "",
    "currency": "USD"
}
```

POST http://localhost:5000/api/transaction

Params Authorization Headers (10) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 2.14 s Size: 247 B Save Response

```
{
    "status": "Success",
    "data": null,
    "message": "Transaction Created Successfully"
}
```

IBM Db2 on Cloud

Load Data Load History Tables Views Indexes Aliases MQTs Sequences Application objects

QKV66262.TRANSACTIONS

Back

Export to CSV

ID	AMOUNT	DATE	CATEGORY	DESCRIPTION	TYPE	USER
3	1	2022-11-15	Food		D	2
4	1	2022-11-16	Food		D	2
5	1	2022-11-16	Food		D	2
6	5	2022-11-16	Food		D	2
7	1	2022-11-16	Food		D	2
8	5	2022-11-16	Food		D	2
9	81.318601	2022-11-16	Foods		D	2