

Project Development Phase

Delivery of Sprint 2

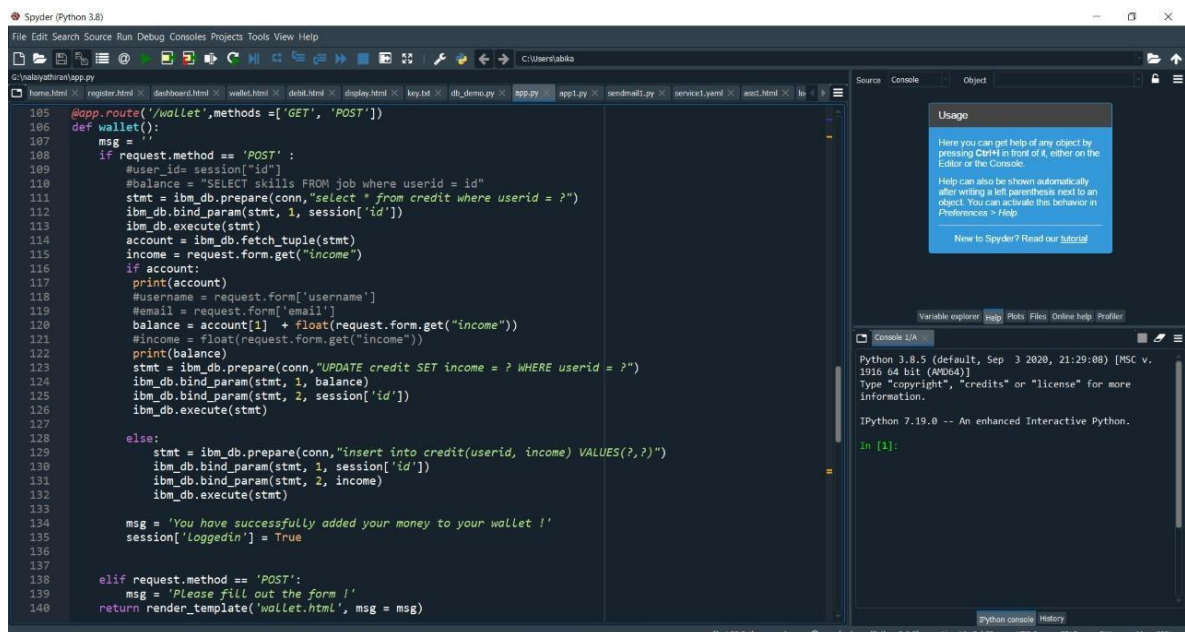
Team ID	PNT2022TMID22045
Project Title	Personal Expense Tracker

Sprint 2

- Expense

- Expense:

1. Add your Monthly income to your Wallet

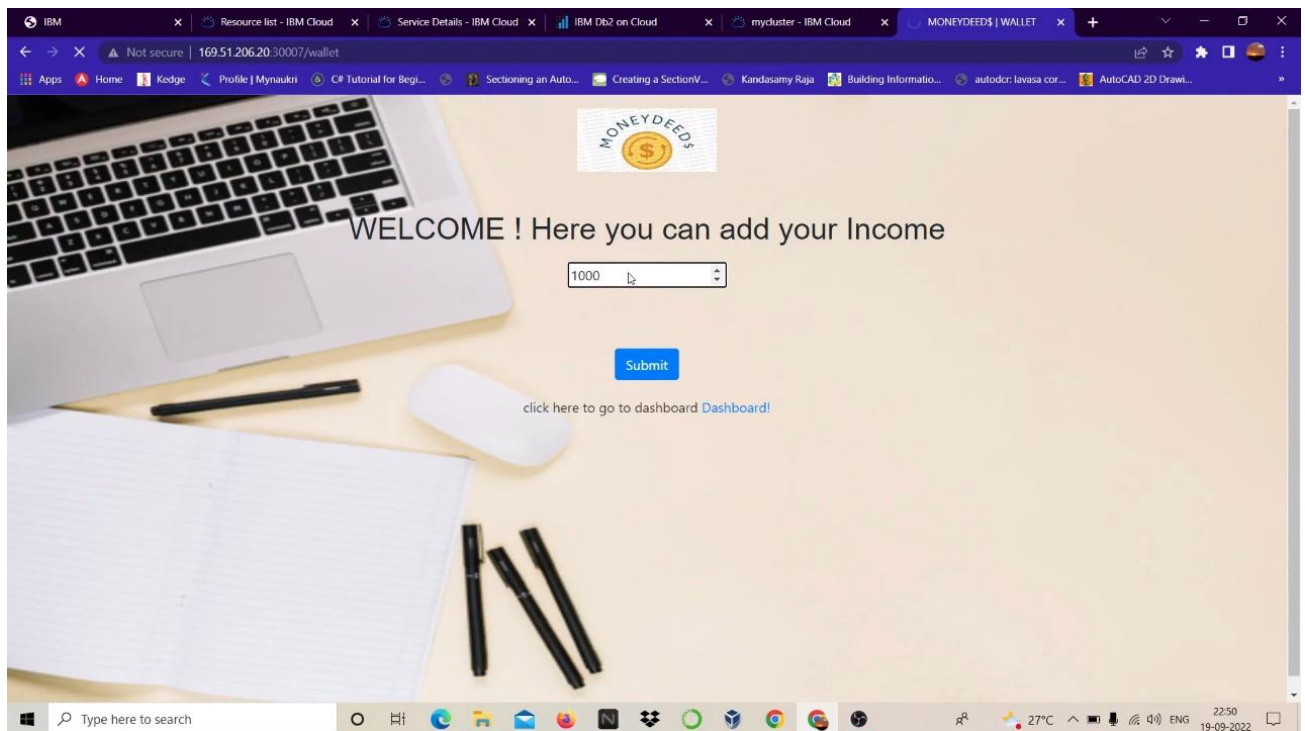


The screenshot displays the Spyder Python IDE interface. The main editor window shows a Python file named `app.py` with the following code:

```
105 @app.route('/wallet', methods=['GET', 'POST'])
106 def wallet():
107     msg = ''
108     if request.method == 'POST':
109         #user_id = session['id']
110         #balance = "SELECT skills FROM job where userid = id"
111         stmt = ibm_db.prepare(conn, "select * from credit where userid = ?")
112         ibm_db.bind_param(stmt, 1, session['id'])
113         ibm_db.execute(stmt)
114         account = ibm_db.fetch_tuple(stmt)
115         income = request.form.get("income")
116         if account:
117             print(account)
118             #username = request.form['username']
119             #email = request.form['email']
120             balance = account[1] + float(request.form.get("income"))
121             #income = float(request.form.get("income"))
122             print(balance)
123             stmt = ibm_db.prepare(conn, "UPDATE credit SET income = ? WHERE userid = ?")
124             ibm_db.bind_param(stmt, 1, balance)
125             ibm_db.bind_param(stmt, 2, session['id'])
126             ibm_db.execute(stmt)
127
128         else:
129             stmt = ibm_db.prepare(conn, "insert into credit(userid, income) VALUES(?,?)")
130             ibm_db.bind_param(stmt, 1, session['id'])
131             ibm_db.bind_param(stmt, 2, income)
132             ibm_db.execute(stmt)
133
134         msg = 'You have successfully added your money to your wallet !'
135         session['loggedin'] = True
136
137     elif request.method == 'POST':
138         msg = 'Please fill out the form !'
139
140     return render_template('wallet.html', msg = msg)
```

The right-hand side of the IDE shows the 'Console' panel with the following output:

```
Python 3.8.5 (default, Sep 3 2020, 21:29:08) [MSC v.
1916 64 bit (AMD64)]
Type "copyright", "credits" or "license()" for more
information.
IPython 7.19.0 -- An enhanced Interactive Python.
In [1]:
```



2. Debit your money from your Wallet

```

141
142 @app.route('/debit',methods=['GET', 'POST'])
143 def debit():
144     msg = ''
145     if request.method == 'POST':
146         username = request.form['username']
147         email = request.form['email']
148         debit = request.form['debit']
149         reason = request.form['s']
150         stmt = ibm_db.prepare(conn,"select * from credit where userid = ?")
151         ibm_db.bind_param(stmt, 1, session['id'])
152         ibm_db.execute(stmt)
153         account = ibm_db.fetch_tuple(stmt)
154         print(account)
155         balance = account[1] - float(request.form.get("debit"))
156         print(balance)
157         stmt = ibm_db.prepare(conn,"UPDATE credit SET income = ? WHERE userid = ?")
158         ibm_db.bind_param(stmt, 1, balance)
159         ibm_db.bind_param(stmt, 2, session['id'])
160         ibm_db.execute(stmt)
161         msg = 'You have successfully debited your money from your wallet !'
162         session['Loggedin'] = True
163
164         if balance == 0 or balance < 0:
165             TEXT = "Hello " + username + ", \n\n" + ""ALERT: You have exceeded your Limit ""
166             sendgridmail(TEXT,email)
167
168
169
170     elif request.method == 'POST':
171         msg = 'Please fill out the form !'
172     return render_template('debit.html', msg = msg)

```

