

## **API Documentation**

### **Add Expense:**

Code File: add.py

1. API call: add/add\_single

Method = POST

Parameters with example:

```
"user_id" : "864914211",  
"amount" : "25.0",  
"date" : "2023-05-17",  
"category" : "Groceries",  
"currency" : "$"  
"friends": "Alice"
```

Response:

If Expense is added successfully, status code == 200

Else, status code == 400

### **Edit Expense**

Code file: edit.py

1. API Call: edit/edit\_cost

Method = POST

Parameters with example:

```
"user_id": "864914211",  
"selected_data": [  
  "Date=17-May-2023",  
  "Category=Transport",  
  "Amount=50.0"  
],  
"new_cost": "55.0"
```

Response:

If Expense is edited successfully, status code == 200

Else, status code == 400

2. API Call: edit/edit\_date

Method = POST

Parameters with example:

```
"user_id": "864914211",  
"selected_data": [  
  "Date=17-May-2023",  
  "Category=Transport",  
  "Amount=50.0"  
],  
"new_date": "18-May-2023"
```

Response:

If Expense is edited successfully, status code == 200

Else, status code == 400

3. API Call: edit/edit\_category:

Method = POST

Parameters with example:

```
"user_id": "864914211",  
"selected_data": [  
  "Date=17-May-2023",  
  "Category=Groceries",  
  "Amount=50.0"  
],  
"new_category": "Travel"
```

Response:

If Expense is edited successfully, status code == 200

Else, status code == 400

### **Delete Expense:**

Code file: delete.py

1. API Call: delete/delete\_by\_date

Method = DELETE

Parameters with example:

```
"user_id": "864914211",  
"date": "17-May-2023"
```

Response:

If Expense is deleted successfully for a given date, status code == 200

Else, status code == 400

2. API Call: delete/delete\_all

Method = DELETE

Parameters with example:

```
"user_id": "864914211"
```

Response:

If Expense is deleted successfully for a given date, status code == 200

Else, status code == 400

3. API call: delete/deletebyids

Method: DELETE

```
"user_id": "864914211",  
"ids_to_delete": [0,1,4,6]
```

Here, ids are the index of records stored in the json file

Response:

If Expense is deleted successfully for a given date, status code == 200

Else, status code == 400

### **Display**

Code file: display.py

1. API Call: display/user\_id

Method: GET

Functionality: Display all expense history of a given user.

Response:

If able to fetch all expense history, status code == 200

Else, status code == 400

2. API Call: display/budget/user\_id  
Method: GET  
Functionality: Display all budget history of a given user.  
Response:  
If able to fetch all budget history, status code == 200  
Else, status code == 400
3. API Call: display /user\_id/ friends  
Method: GET  
Functionality: Display all friends of a given user.  
Response:  
If able to fetch all friends, status code == 200  
Else, status code == 400

### **Alerts**

Code file: alerts.py

1. API Call: alerts/ user\_id  
Method: GET  
Functionality: Display all alerts for a given user.  
Response:  
If able to fetch all alerts, status code == 200  
Else, status code == 400

### **Add Budget**

2. Code File: add\_budget.py  
API Call: add\_budget/add\_single  
Method: POST  
Parameters with example:  
    "user\_id" : "864914211",  
    "amount" : "25.0",  
    "year:  " : "2024"  
    "month" : "1"  
    "goal\_type" : "Long-Term"  
    "category" : "Groceries",  
    "currency" : "\$"  
Response:  
If budget goal is added successfully, status code == 200  
Else, status code == 400

### **Add Friends**

Code File: add\_friends.py

1. API Call: add\_friends/add\_friend

Method: POST

Parameters with example:

```
"user_id" : "864914211",  
"friends": "Alice"
```

Response:

If friends are added successfully, status code == 200

Else, status code == 400

### **Split Expense**

Code File: split\_expense.py

1. API Call: split\_expense/add\_expense

Method: POST

Parameters with example:

```
"user_id" : "864914211",  
"amount" : "25.0",  
"date" : "2023-05-17",  
"category" : "Groceries",  
"currency" : "$"  
"friends": "Alice", "Bob"
```

Response:

If expenses are split successfully, status code == 200

Else, status code == 400

### **Budget Analytics:**

Code File: budget\_analytics.py

1. API Call: budget\_analytics/add\_analytics/<category>/<year>/<month>/<user\_id>

Method: GET

Functionality: Display all budget analytics for a given user.

Response:

If able to fetch all budget analytics, status code == 200

Else, status code == 400

## **Expense Analytics**

Code File: analytics.py

1. API Call: analytics /<user\_id>

Method: GET

Functionality: Display all expense analytics for a given user.

Response:

If able to fetch all expense analytics, status code == 200

Else, status code == 400