

ESD (Employability Skills Development) FA-3

Title:

Call the API through JavaScript and show it in html. Also implement all CRUD operations - Expense Tracker App

Tools: Microsoft Word, PhpMyAdmin, Postman

Screenshot:

Database Design

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> expense	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> payment	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
3 tables	Sum	6	InnoDB	utf8mb4_general_ci	80.0 KiB	0 B

Structure of Customer Table

Server: 127.0.0.1:3306 » Database: esd_grp. 13 » Table: customer

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operation

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(100)			No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>
<input type="checkbox"/> 2	name	varchar(700)	utf8mb4_general_ci		No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>
<input type="checkbox"/> 3	email	varchar(255)	utf8mb4_general_ci		No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>
<input type="checkbox"/> 4	payment	varchar(255)	utf8mb4_general_ci		No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>
<input type="checkbox"/> 5	phone	varchar(255)	utf8mb4_general_ci		No	None			<div><div></div>Change</div> <div><div></div>Drop</div> <div><div></div>More</div>

Table: Customer

✓ Showing rows 0 - 3 (4 total, Query took 0.0023 seconds.)

`SELECT * FROM `customer``

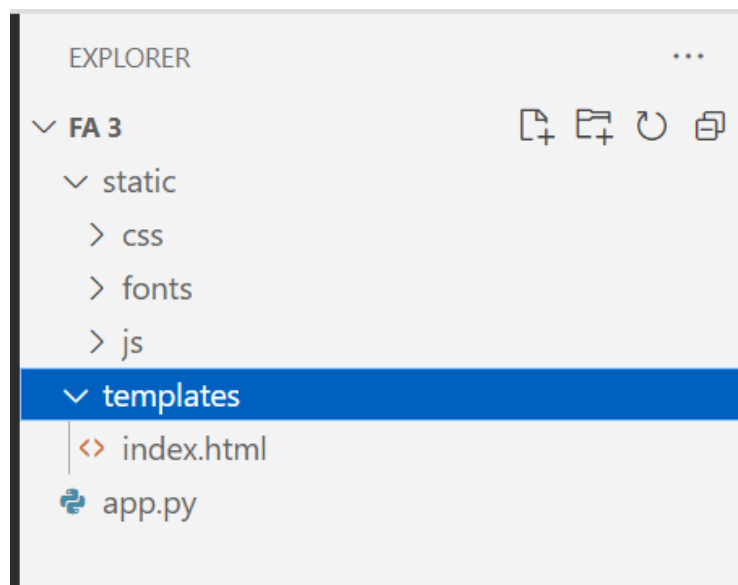
☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: | Filter rows: | Sort by key:

+ Options

				id	name	email	payment	phone
<input type="checkbox"/>	Edit	Copy	Delete	10	Samar Raichand	samar2005@gmail.com	10000	9892831863
<input type="checkbox"/>	Edit	Copy	Delete	11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279
<input type="checkbox"/>	Edit	Copy	Delete	12	Kinjal Singh	kinjal2003@gmail.com	12000	7678073799
<input type="checkbox"/>	Edit	Copy	Delete	13	Divyanshu Singh	divyanshu2003@gmail.com	13000	7738296424

Project Directory



app.py

```
from flask import Flask,
render_template, request, url_for, flash
from werkzeug.utils import redirect
from flask_mysql import MySQL
app = Flask(__name__)
```

```
app.secret_key = ""

app.config['MYSQL_HOST'] =
'localhost'
app.config['MYSQL_USER'] = 'root'
```

```
app.config['MYSQL_PASSWORD'] = "
app.config['MYSQL_DB'] = 'esd_grp.
13'
```

```
mysql = MySQL(app)
```

```
@app.route('/')
```

```
def Index():
```

```
    cur = mysql.connection.cursor()
    cur.execute("SELECT * FROM
customer")
    data = cur.fetchall()
    cur.close()
```

```
    return render_template('index.html',
customer=data)
```

```
@app.route('/insert', methods = ['POST'])
def insert():
```

```
    if request.method == "POST":
        flash("Data Inserted Successfully")
        name = request.form.get('name')
        email = request.form.get('email')
        payment =
request.form.get('payment')
        phone = request.form.get('phone')
        cur = mysql.connection.cursor()
```

```
    cur.execute("INSERT INTO customer
(name, email, payment, phone)
VALUES (%s, %s, %s, %s)", (name,
email, payment, phone))
    mysql.connection.commit()
```

```
    return redirect(url_for('Index'))
```

```
@app.route('/delete/<string:id_data>',
methods = ['GET'])
```

```
def delete(id_data):
    flash("Record Has Been Deleted
Successfully")
```

```
cur = mysql.connection.cursor()
cur.execute("DELETE FROM
customer WHERE id=%s", (id_data,))
mysql.connection.commit()
return redirect(url_for('Index'))
```

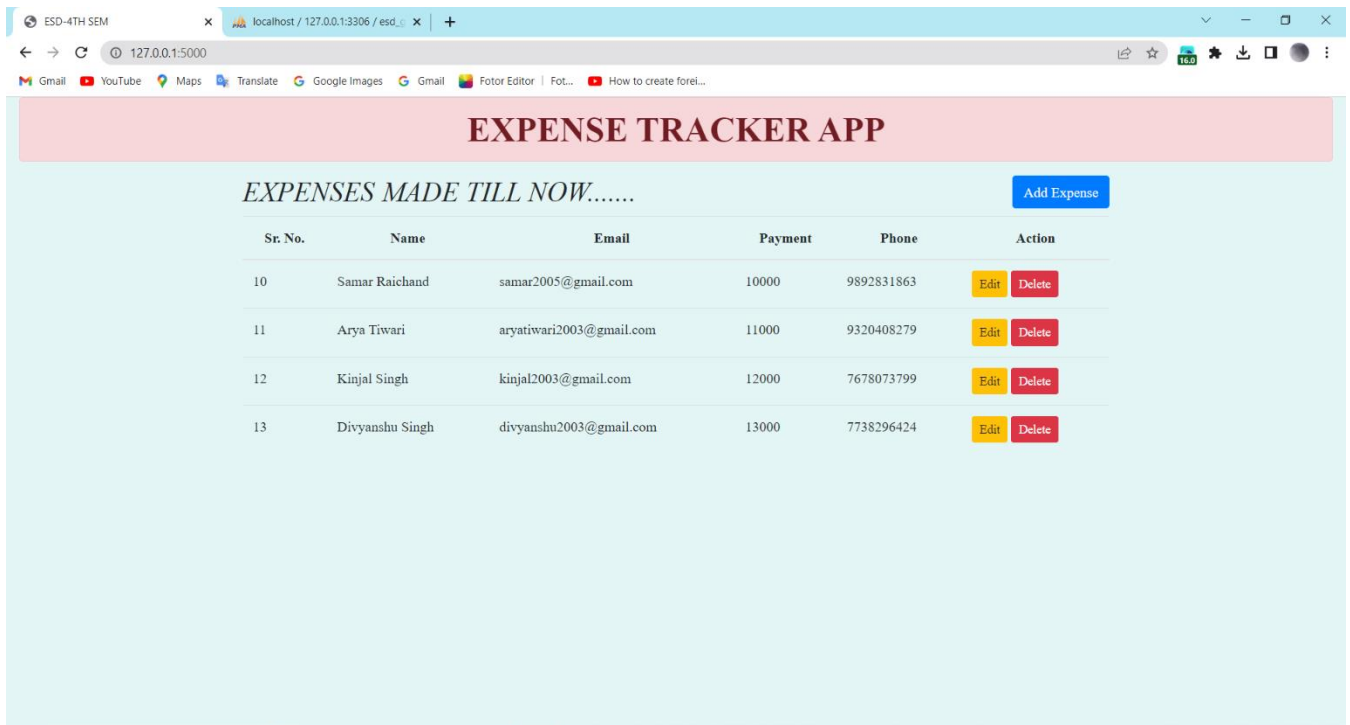
```
@app.route('/update',
methods= ['POST', 'GET'])
def update():
```

```
    if request.method == 'POST':
        id = request.form.get('id')
        name = request.form.get('name')
        email = request.form.get('email')
        payment =
request.form.get('payment')
        phone = request.form.get('phone')
        cur = mysql.connection.cursor()
```

```
    cur.execute("""
        UPDATE customer SET name=%s,
email=%s, payment=%s, phone=%s
        WHERE id=%s
        """, (name, email, payment, phone,
id_data))
    flash("Data Updated Successfully")
    return redirect(url_for('Index'))
```

```
if __name__ == "__main__":
    app.run(debug=True)
```

MAIN WEB PAGE



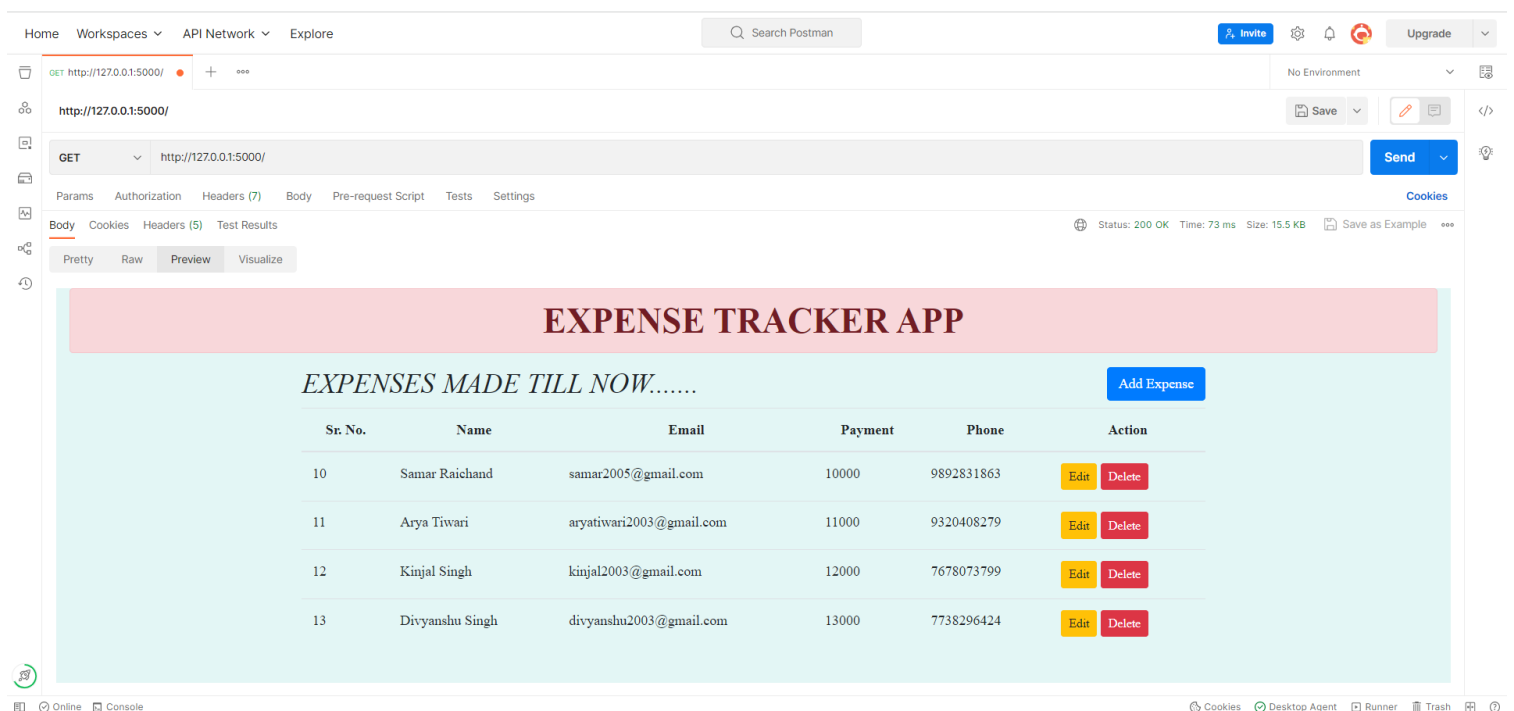
EXPENSE TRACKER APP

EXPENSES MADE TILL NOW.....

[Add Expense](#)

Sr. No.	Name	Email	Payment	Phone	Action
10	Samar Raichand	samar2005@gmail.com	10000	9892831863	Edit Delete
11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279	Edit Delete
12	Kinjal Singh	kinjal2003@gmail.com	12000	7678073799	Edit Delete
13	Divyanshu Singh	divyanshu2003@gmail.com	13000	7738296424	Edit Delete

SHOWING THE EXPENSES MADE BY THE CUSTOMER THROUGH GET METHOD



Home Workspaces API Network Explore

Search Postman

[Invite](#) [Settings](#) [Notifications](#) [Upgrade](#)

GET http://127.0.0.1:5000/

http://127.0.0.1:5000/

GET http://127.0.0.1:5000/ [Send](#)

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 73 ms Size: 15.5 KB [Save as Example](#)

Pretty Raw Preview Visualize

EXPENSE TRACKER APP

EXPENSES MADE TILL NOW.....

[Add Expense](#)

Sr. No.	Name	Email	Payment	Phone	Action
10	Samar Raichand	samar2005@gmail.com	10000	9892831863	Edit Delete
11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279	Edit Delete
12	Kinjal Singh	kinjal2003@gmail.com	12000	7678073799	Edit Delete
13	Divyanshu Singh	divyanshu2003@gmail.com	13000	7738296424	Edit Delete

Online Console Cookies Desktop Agent Runner Trash

ADDING THE NEW EXPENSES

ESD-4TH SEM x localhost / 127.0.0.1:3306 / esd_ x http://127.0.0.1:5000/insert - My x +

127.0.0.1:5000

Gmail YouTube Maps Translate Google Images Gmail Fotor Editor | Fot... How to create forei...

EXPENSE TRACKER APP

EXPENSES MADE

Record Has Been Deleted Successfully

Sr. No. **Name**

10	Samar Raichand
11	Arya Tiwari
12	Kinjal Singh
13	Divyanshu Singh

Add Expense

Please Add New Expense

Full Name
Anant Singh

Email
anantsingh1302@gmail.com

Payment
15000

Phone Number
8850496186

Save

Phone **Action**

863	Edit Delete
279	Edit Delete
799	Edit Delete
424	Edit Delete

ESD-4TH SEM x localhost / 127.0.0.1:3306 / esd_ x http://127.0.0.1:5000/insert - My x +

127.0.0.1:5000

Gmail YouTube Maps Translate Google Images Gmail Fotor Editor | Fot... How to create forei...

EXPENSE TRACKER APP

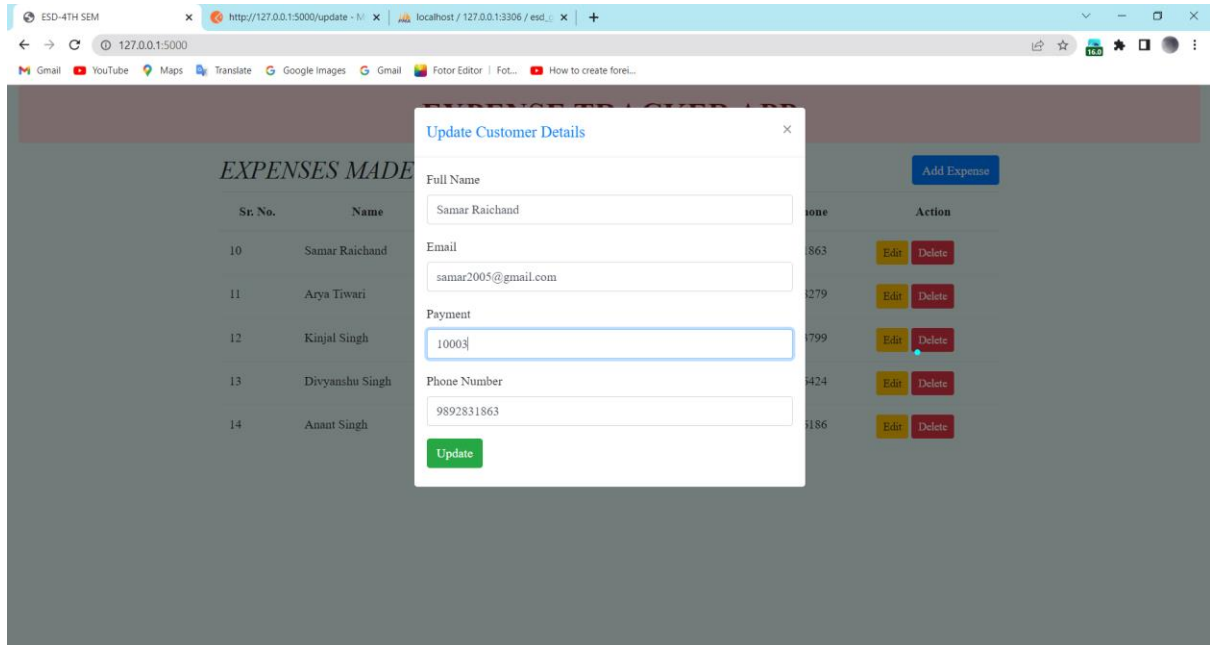
EXPENSES MADE TILL NOW.....

Add Expense

Data Inserted Successfully

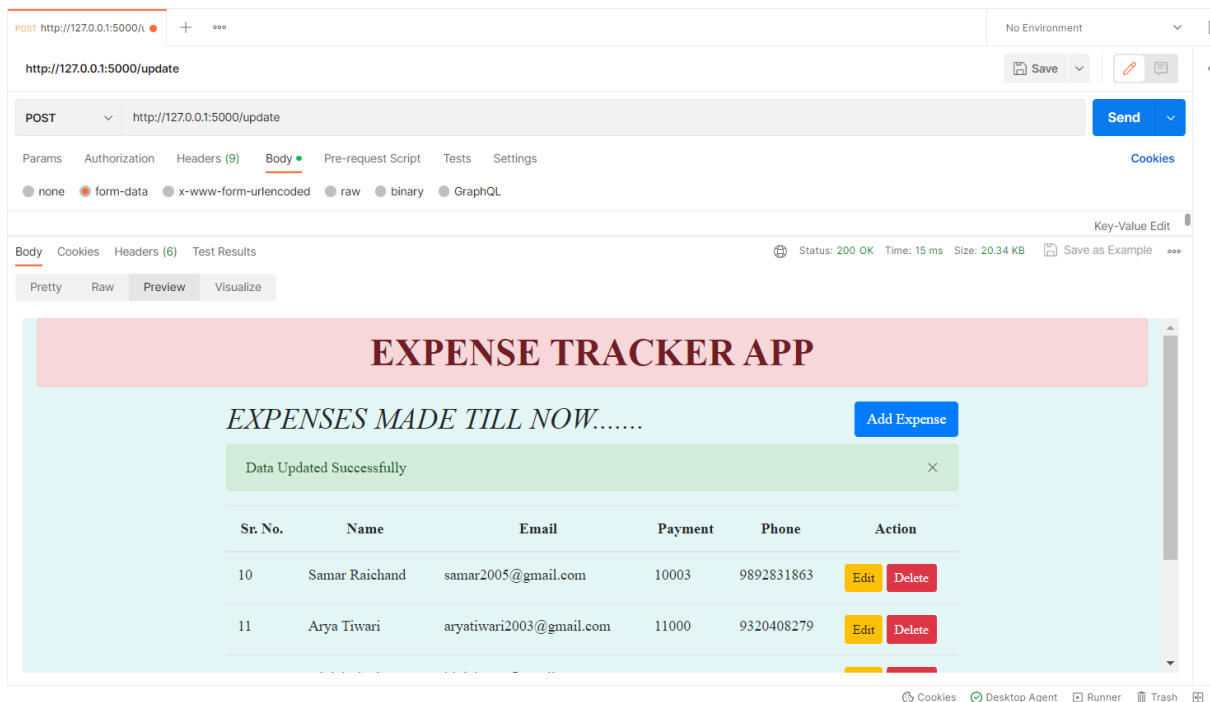
Sr. No.	Name	Email	Payment	Phone	Action
0	Anant Singh	anantsingh1302@gmail.com	15000	8850496186	Edit Delete
10	Samar Raichand	samar2005@gmail.com	10000	9892831863	Edit Delete
11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279	Edit Delete
12	Kinjal Singh	kinjal2003@gmail.com	12000	7678073799	Edit Delete
13	Divyanshu Singh	divyanshu2003@gmail.com	13000	7738296424	Edit Delete

UPDATING THE EXPENSES



Sr. No.	Name	Email	Payment	Phone	Action
10	Samar Raichand	samar2005@gmail.com	10003	9892831863	Edit Delete
11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279	Edit Delete
12	Kinjal Singh				Edit Delete
13	Divyanshu Singh				Edit Delete
14	Anant Singh				Edit Delete

Entering the details to update



EXPENSE TRACKER APP

EXPENSES MADE TILL NOW.....

Data Updated Successfully

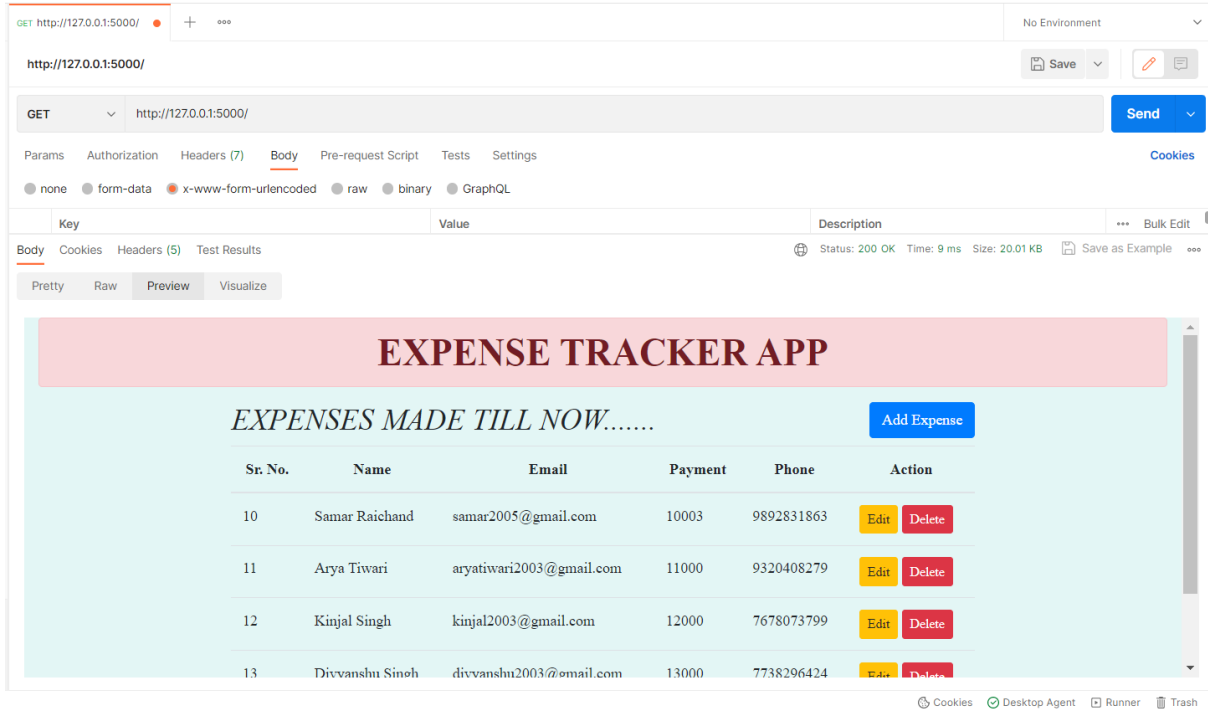
Sr. No.	Name	Email	Payment	Phone	Action
10	Samar Raichand	samar2005@gmail.com	10003	9892831863	Edit Delete
11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279	Edit Delete

Updating a record by calling the API

	id	name	email	payment	phone
<input type="checkbox"/>	10	Samar Raichand	samar2005@gmail.com	10003	9892831863

Database after performing the CRUD operation i.e. Update

DELETING THE EXPENSES



GET http://127.0.0.1:5000/

http://127.0.0.1:5000/

GET http://127.0.0.1:5000/

Params Authorization Headers (7) Body Pre-request Script Tests Settings

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

Key Value Description Bulk Edit

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize

EXPENSE TRACKER APP

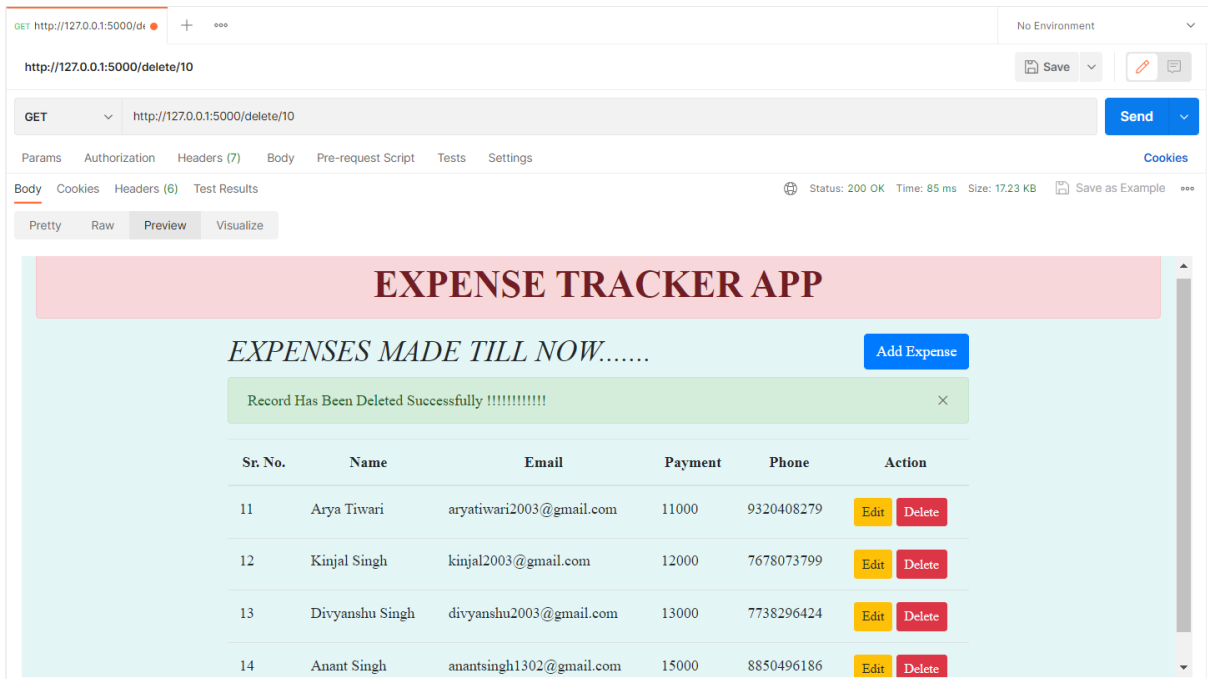
EXPENSES MADE TILL NOW.....

Add Expense

Sr. No.	Name	Email	Payment	Phone	Action
10	Samar Raichand	samar2005@gmail.com	10003	9892831863	Edit Delete
11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279	Edit Delete
12	Kinjal Singh	kinjal2003@gmail.com	12000	7678073799	Edit Delete
13	Divyanshu Singh	divyanshu2003@gmail.com	13000	7738296424	Edit Delete

Status: 200 OK Time: 9 ms Size: 20.01 KB Save as Example

Before deleting a record by calling the API



GET http://127.0.0.1:5000/delete/10

http://127.0.0.1:5000/delete/10

GET http://127.0.0.1:5000/delete/10

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Body Cookies Headers (6) Test Results

Pretty Raw Preview Visualize

EXPENSE TRACKER APP

EXPENSES MADE TILL NOW.....

Add Expense

Record Has Been Deleted Successfully !!!!!!!!!!!!!!!

Sr. No.	Name	Email	Payment	Phone	Action
11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279	Edit Delete
12	Kinjal Singh	kinjal2003@gmail.com	12000	7678073799	Edit Delete
13	Divyanshu Singh	divyanshu2003@gmail.com	13000	7738296424	Edit Delete
14	Anant Singh	anantsingh1302@gmail.com	15000	8850496186	Edit Delete

Status: 200 OK Time: 85 ms Size: 17.23 KB Save as Example

After deleting a record by calling the API

✓ Showing rows 0 - 3 (4 total, Query took 0.0010 seconds.)

`SELECT * FROM `customer``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: | Filter rows: | Sort by key:

+ Options

				id	name	email	payment	phone
<input type="checkbox"/>				11	Arya Tiwari	aryatiwari2003@gmail.com	11000	9320408279
<input type="checkbox"/>				12	Kinjal Singh	kinjal2003@gmail.com	12000	7678073799
<input type="checkbox"/>				13	Divyanshu Singh	divyanshu2003@gmail.com	13000	7738296424
<input type="checkbox"/>				14	Anant Singh	anantsingh1302@gmail.com	15000	8850496186

☐ Check all | With selected: Edit Copy Delete Export

Database after performing the CRUD operation i.e. Delete