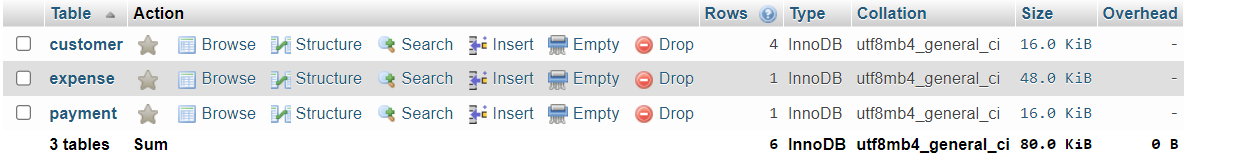
ESD (Employability Skills Development) FA-3

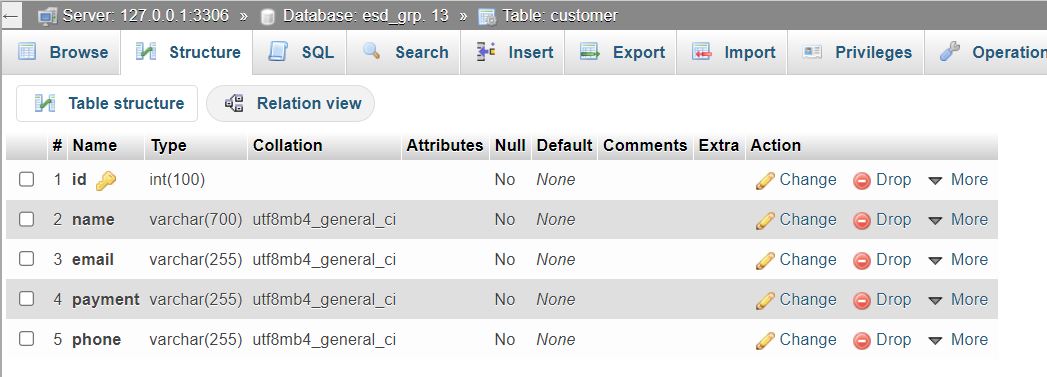
Title:

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

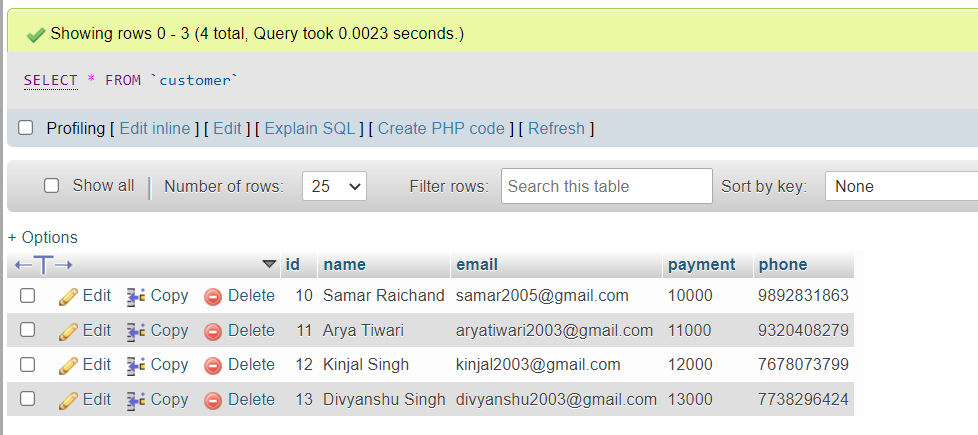
**Tools:** Microsoft Word, PhpMyAdmin, Postman

**Screenshot:**

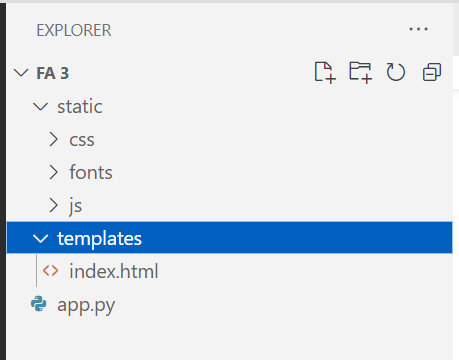
 **Database Design**

 **Structure of Customer Table**

**Table: Customer**



**Project Directory**



**app.py**

from flask import Flask, render\_template, request, url\_for, flash

from werkzeug.utils import redirect

from flask\_mysqldb 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))

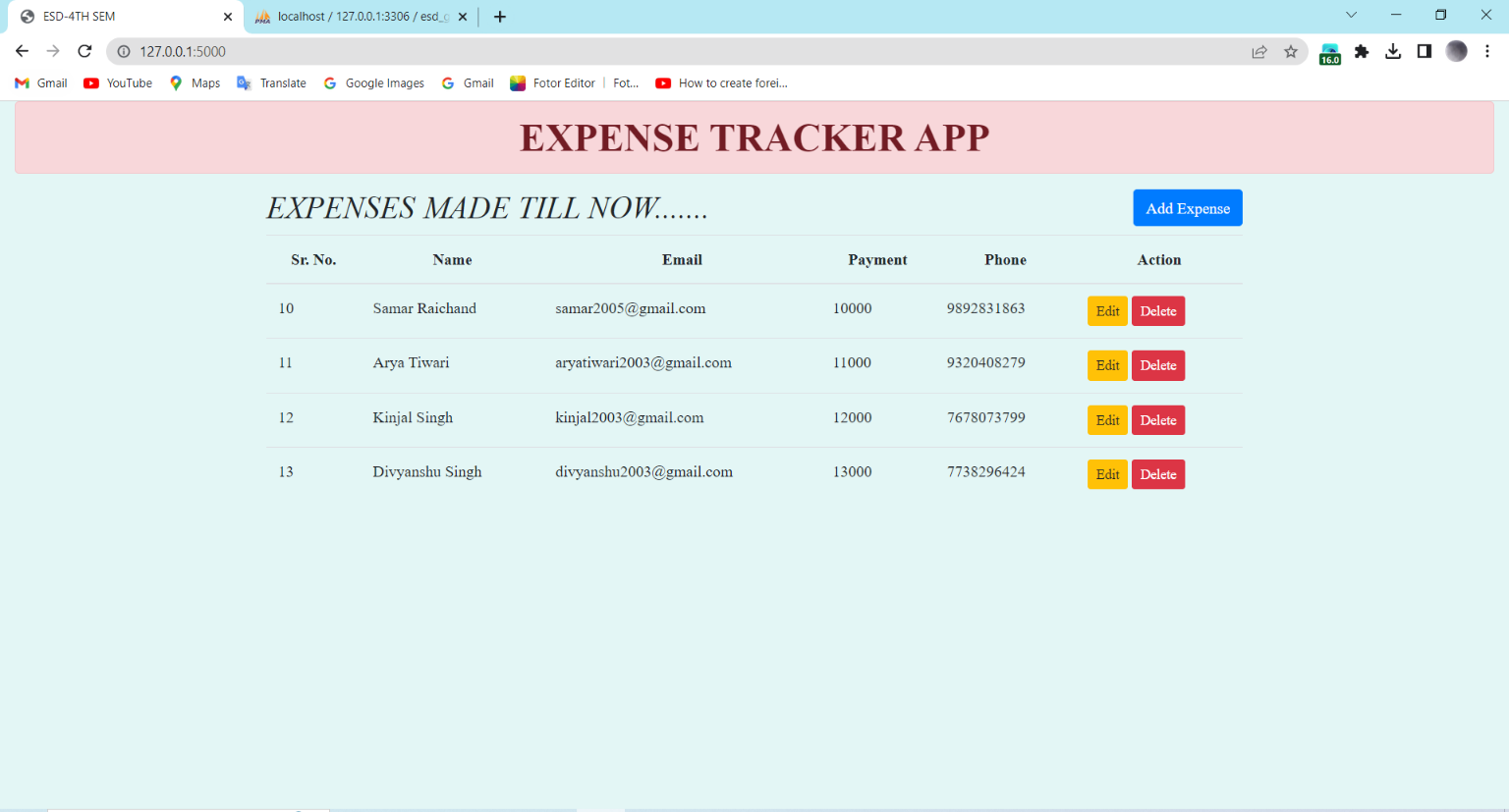
        flash("Data Updated Successfully")

        return redirect(url\_for('Index'))

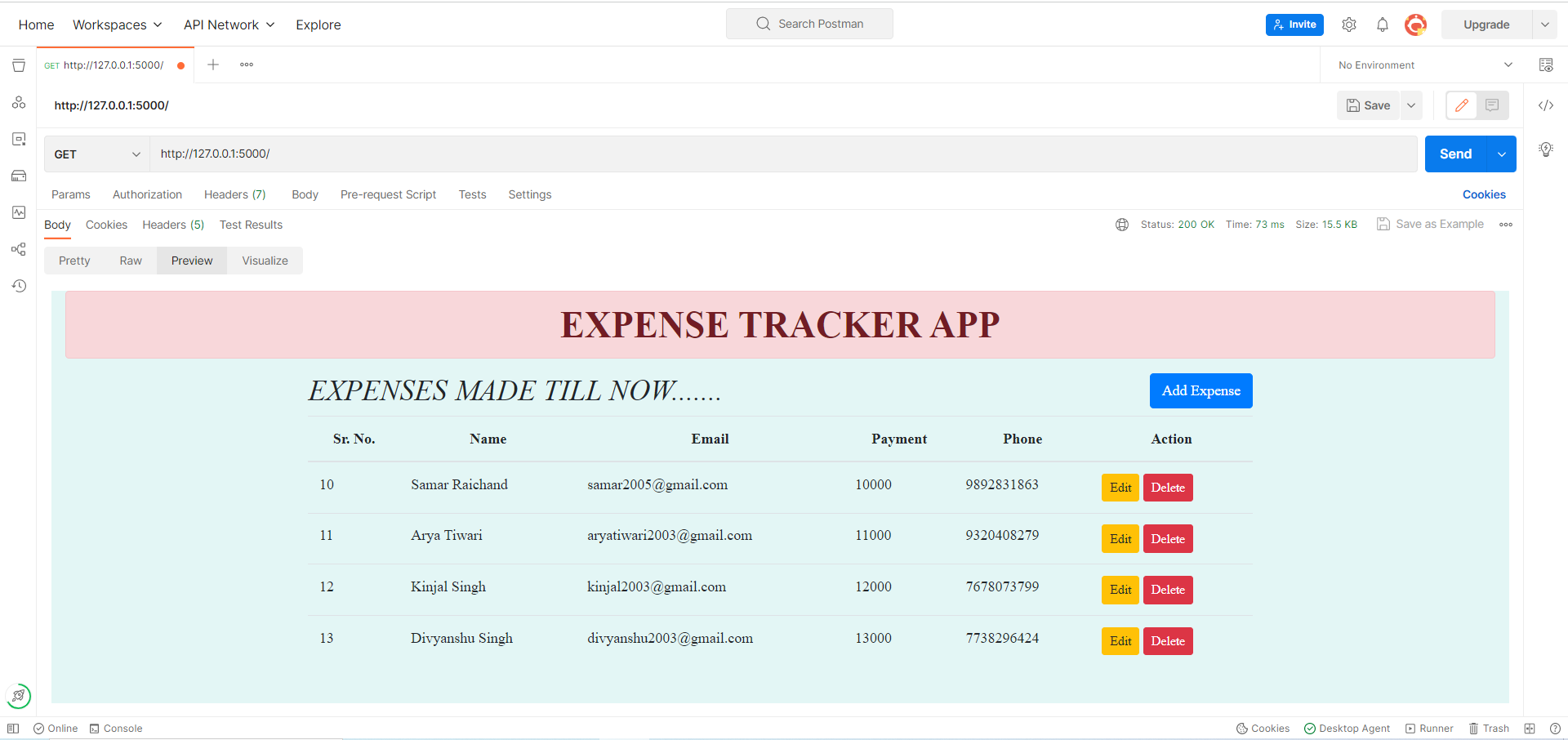
if \_\_name\_\_ == "\_\_main\_\_":

    app.run(debug=True)

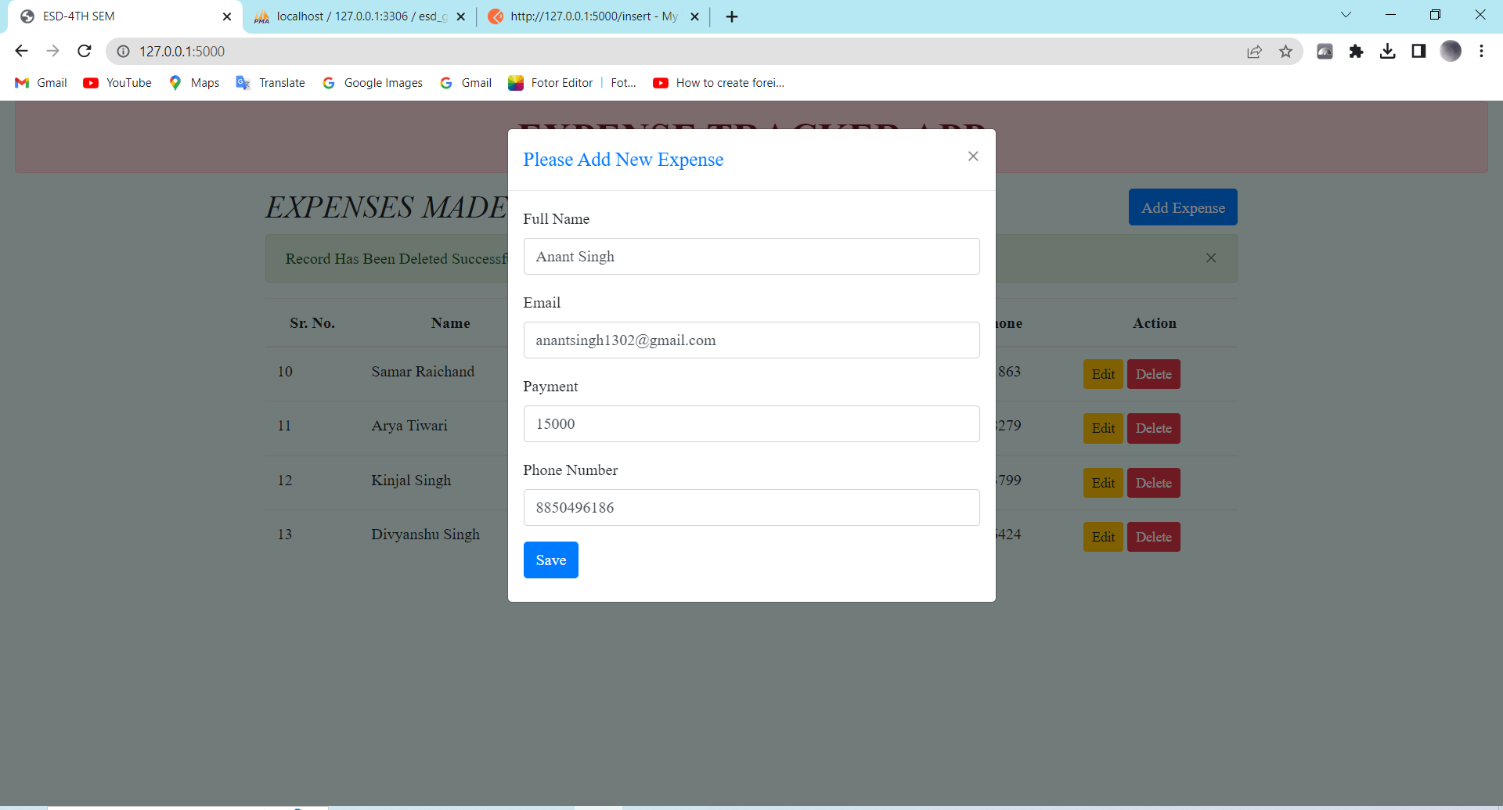
**MAIN WEB PAGE**

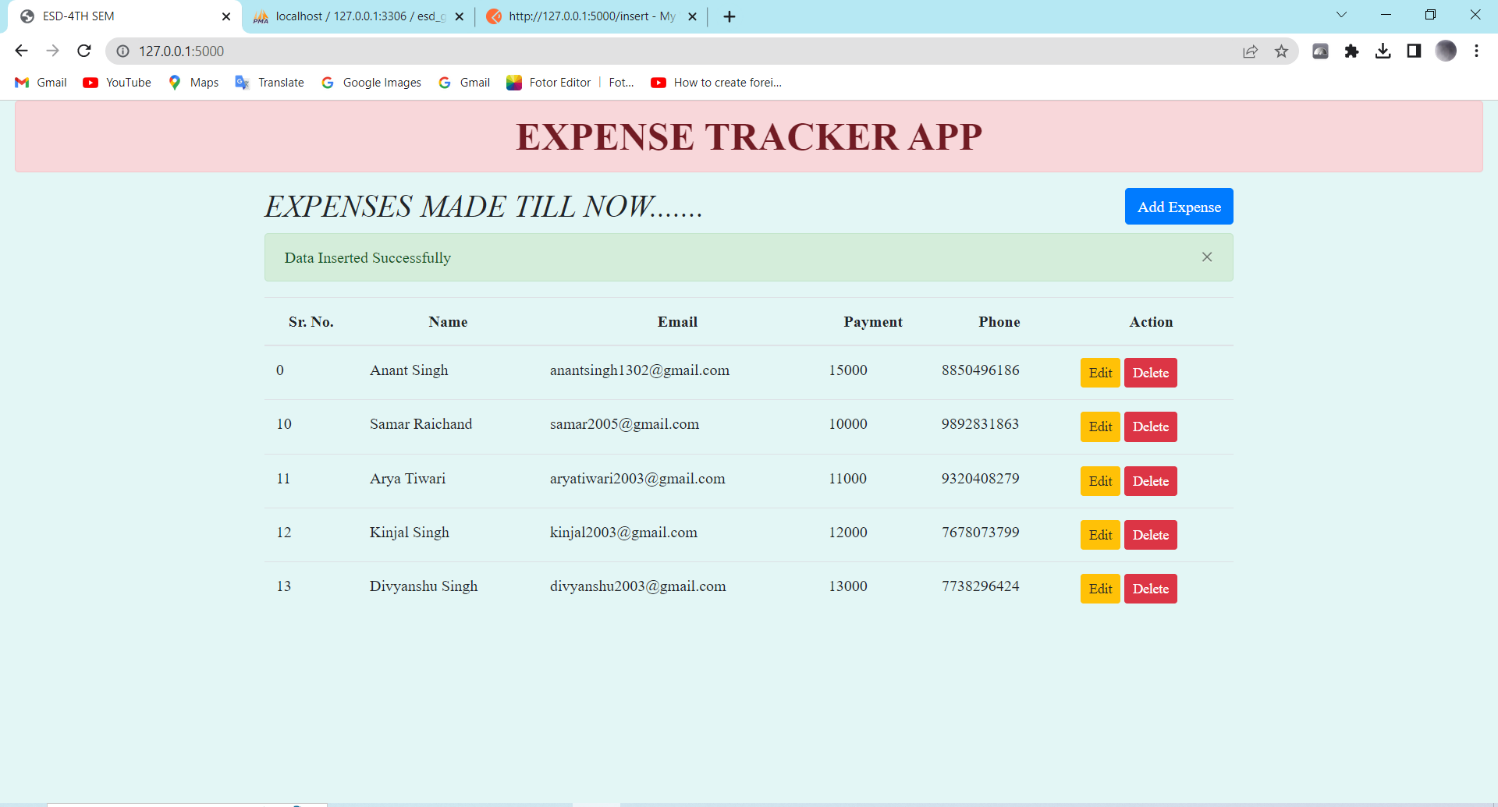


**SHOWING THE EXPENSES MADE BY THE CUSTOMER THROUGH GET METHOD**

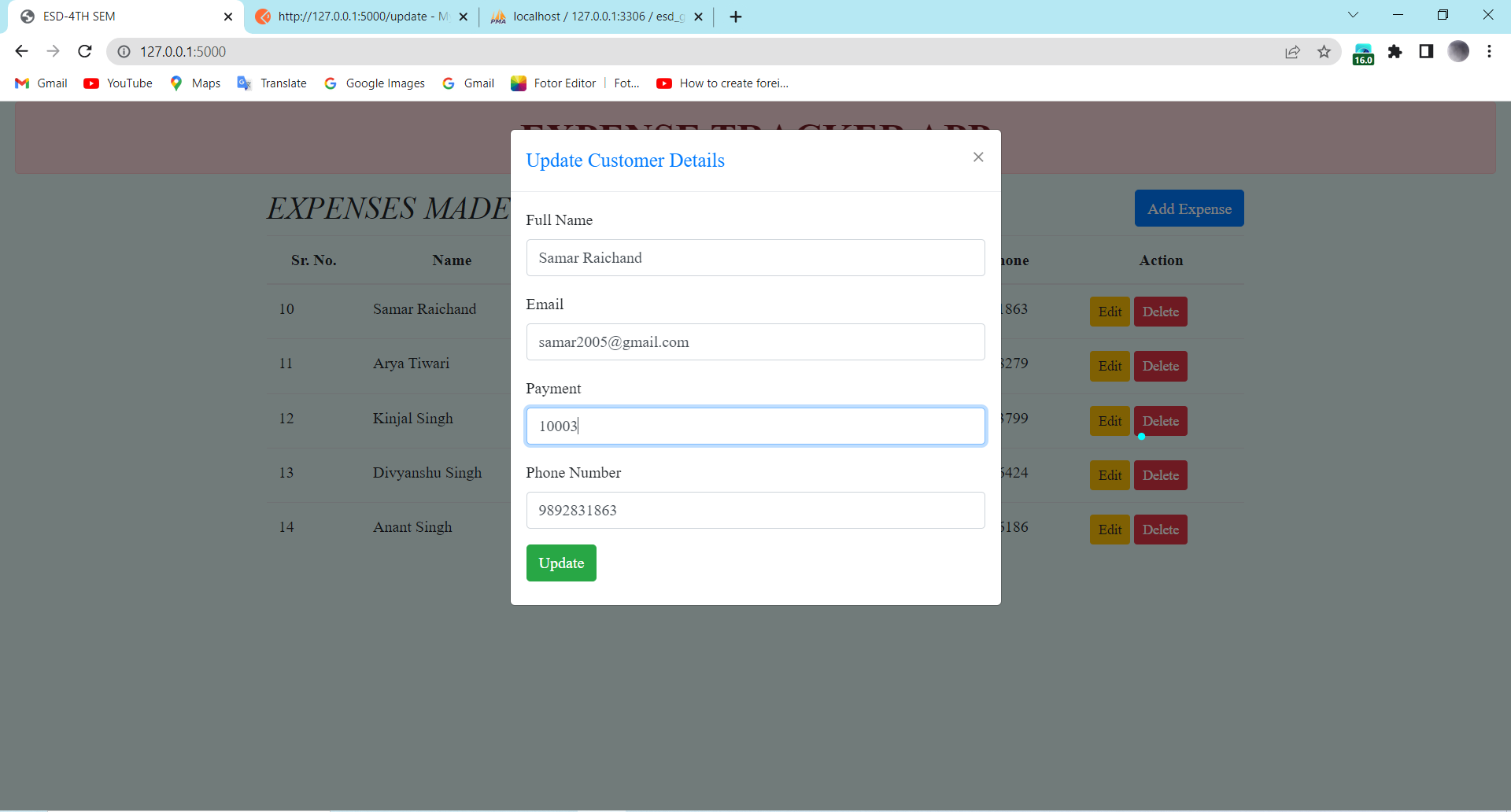


**ADDING THE NEW EXPENSES**

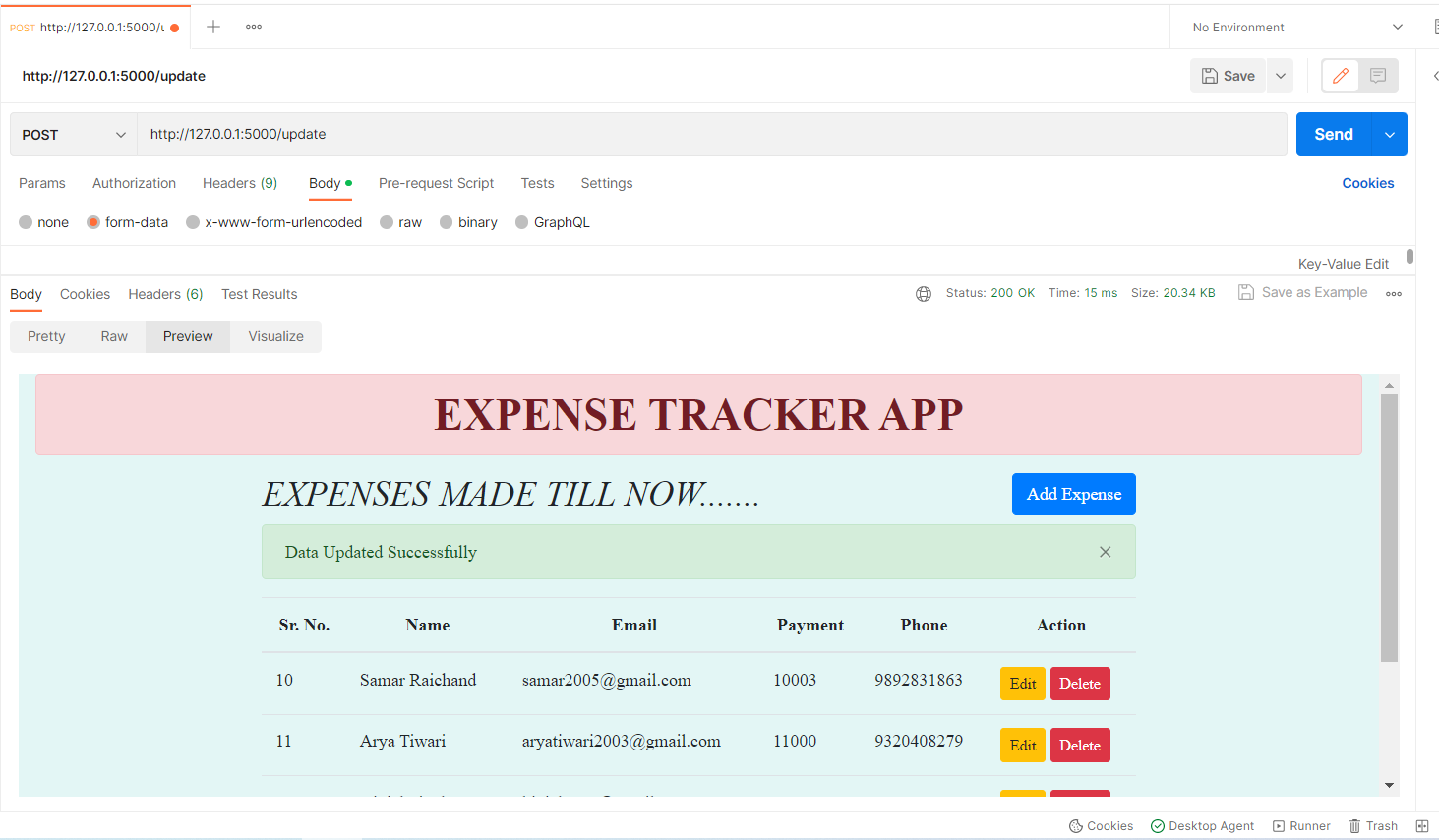




**UPDATING THE EXPENSES**



***Entering the details to update***

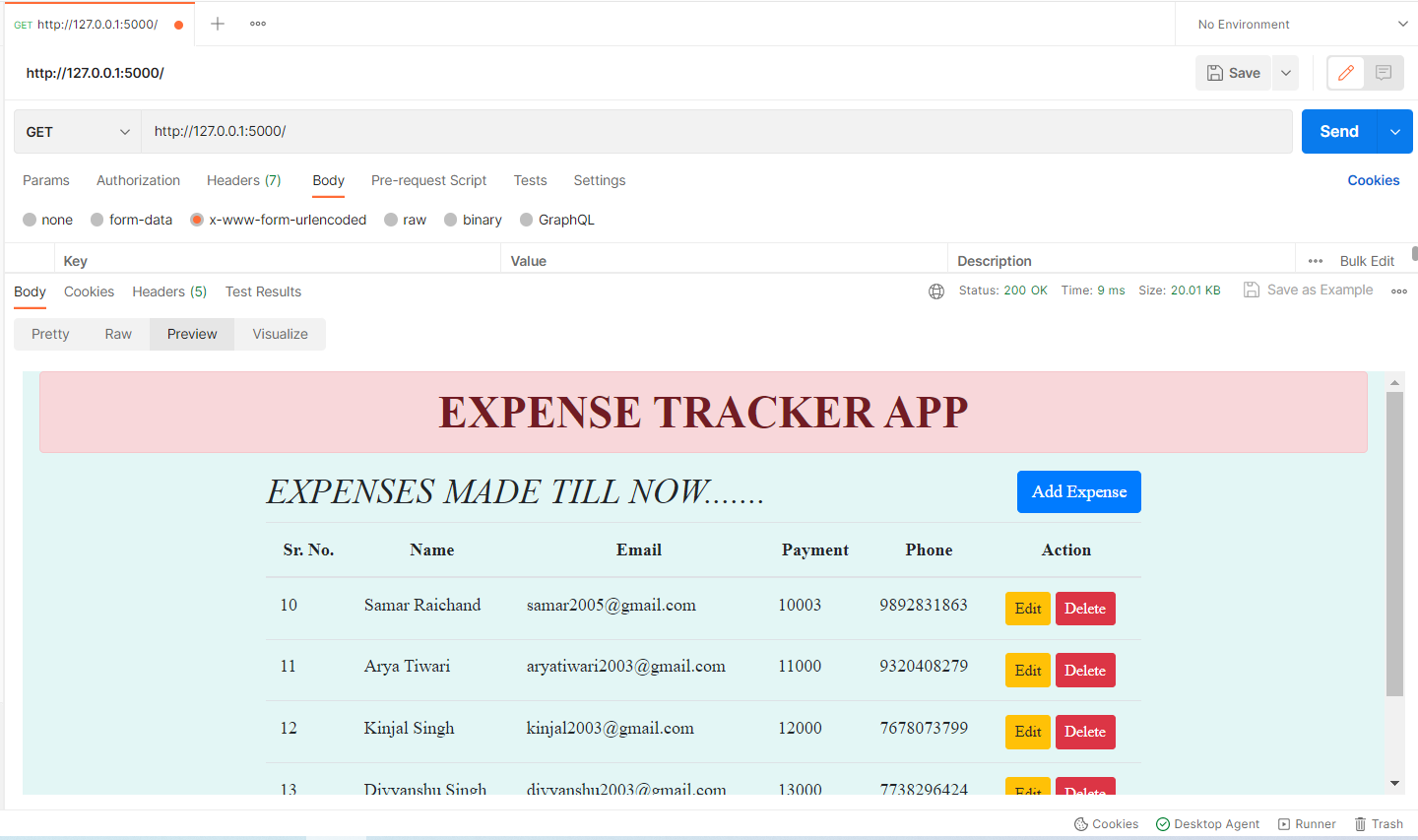


***Updating a record by calling the API***

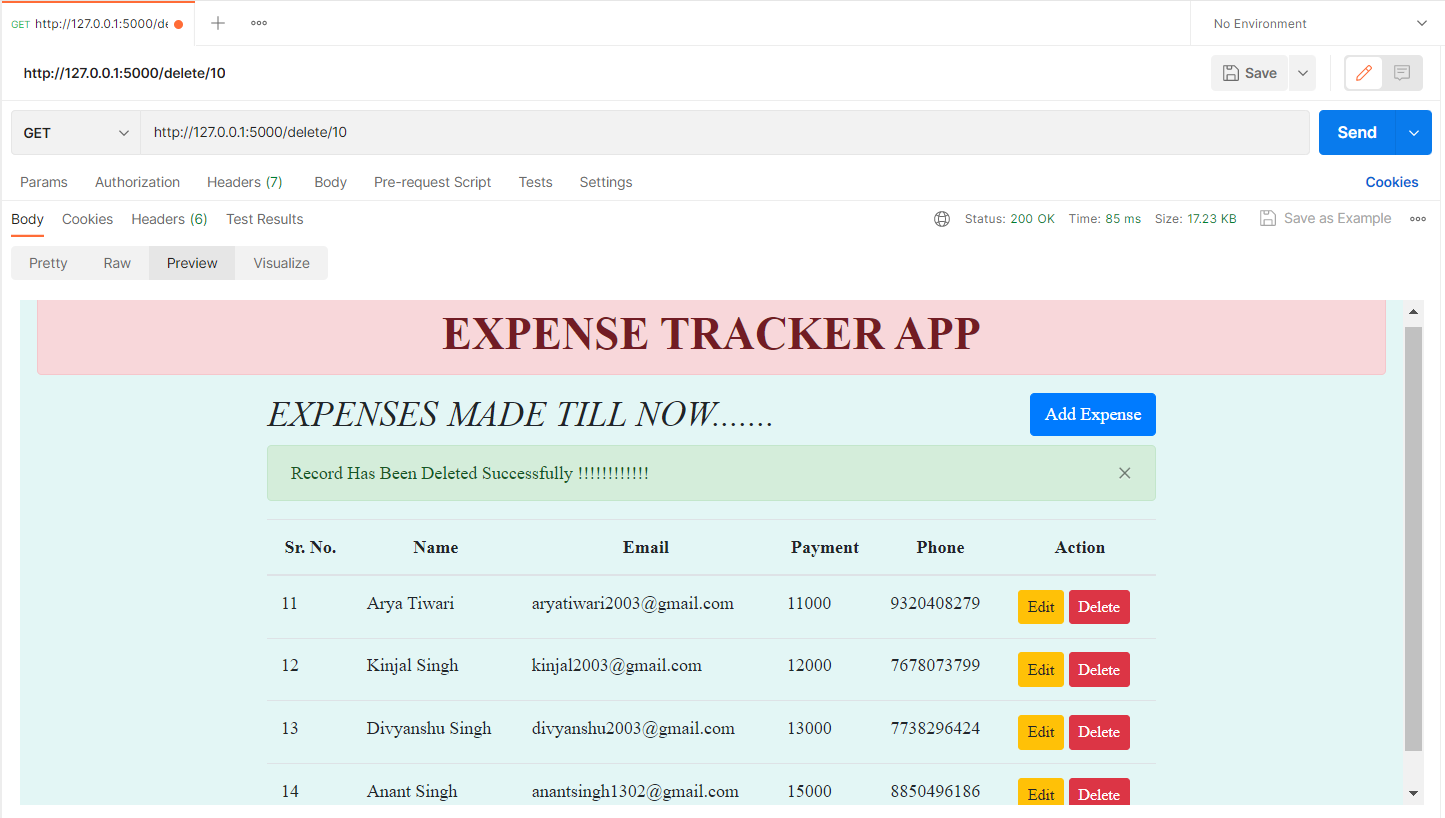


***Database after performing the CRUD operation i.e. Update***

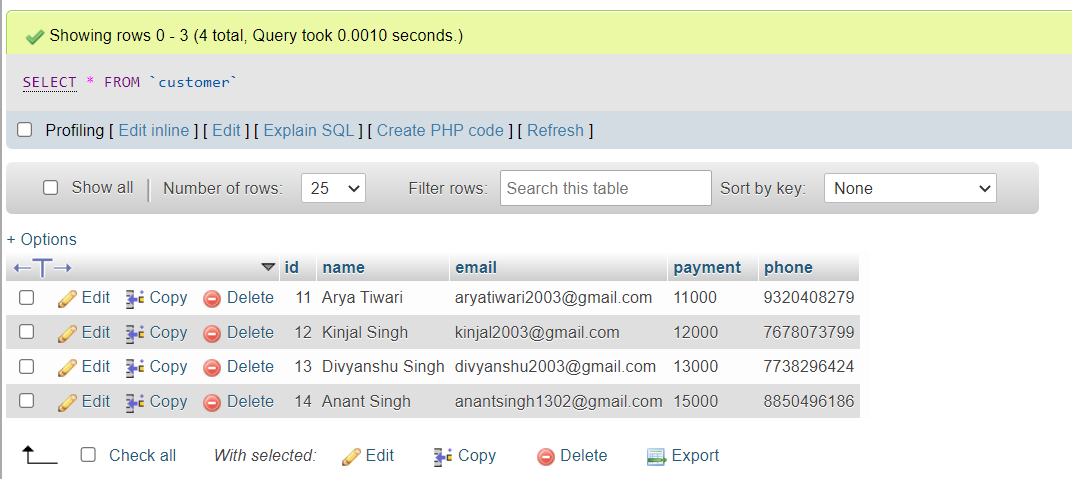
**DELETING THE EXPENSES**



***Before deleting a record by calling the API***



***After deleting a record by calling the API***



***Database after performing the CRUD operation i.e. Delete***