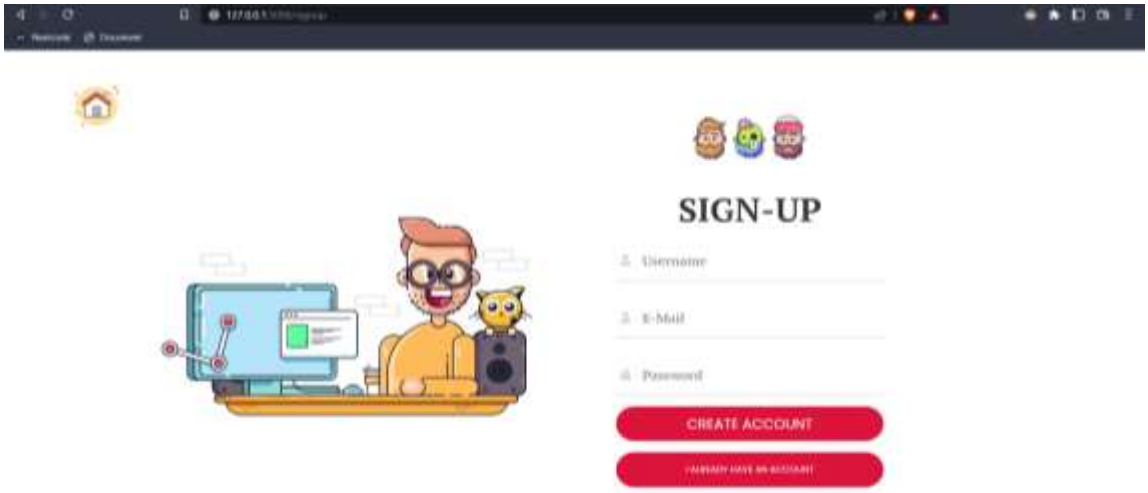
Project Development phase - Sprint 1

Team ID	PNT2022TMID04422
Project Name	Personal Expense Tracker

Login & Registration Pages

Home

Sign up

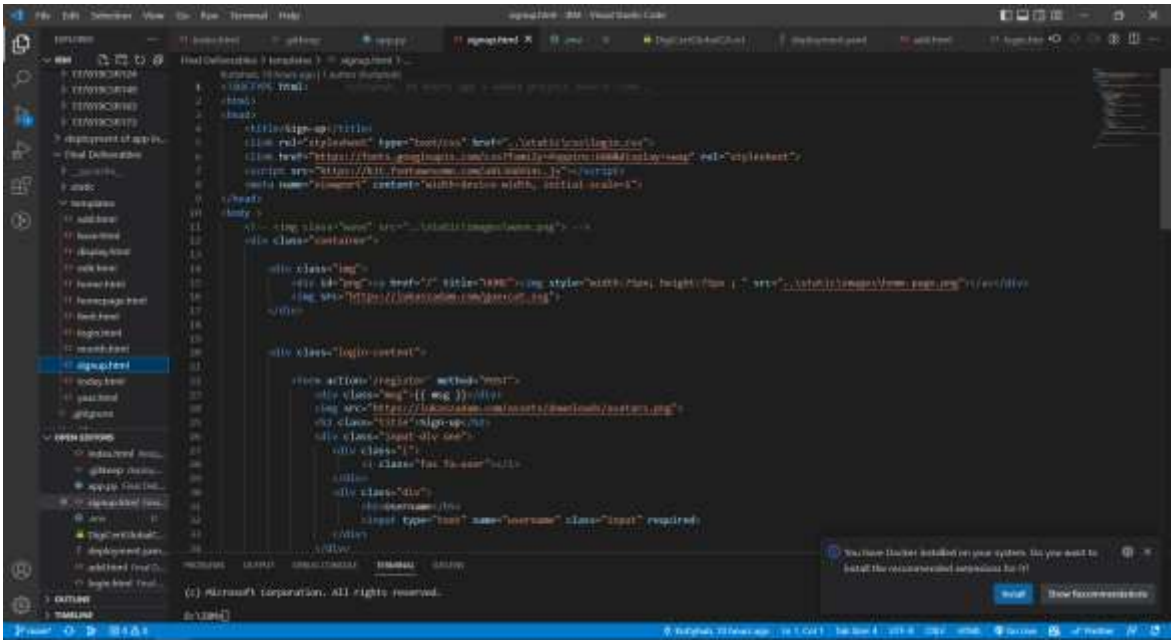


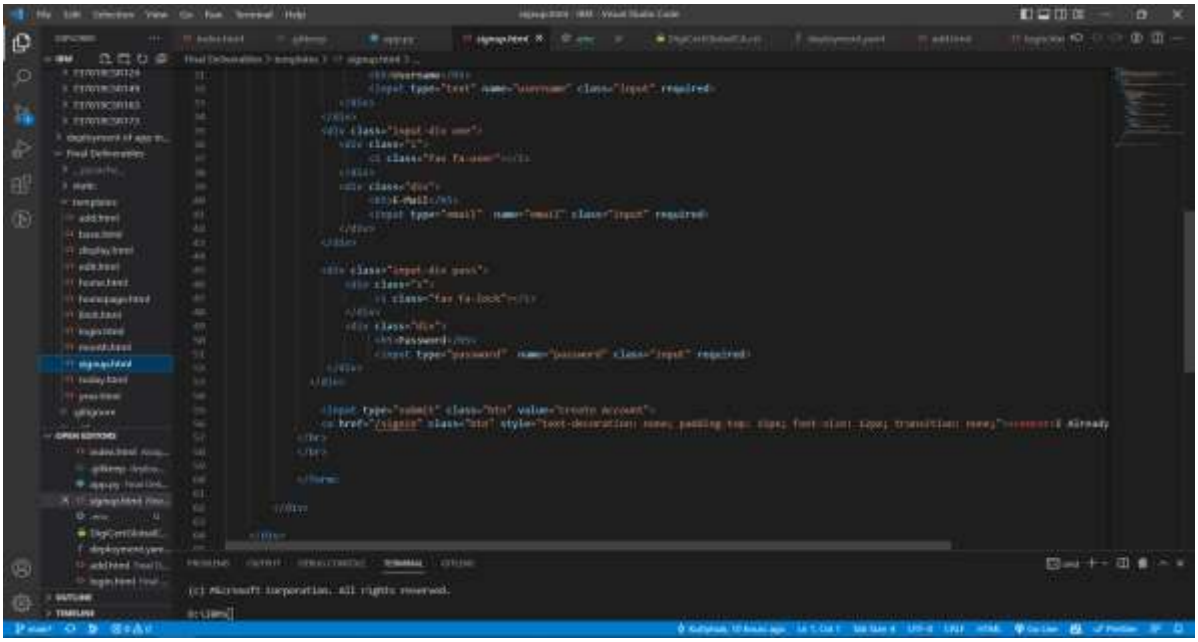
Login

Front End Code

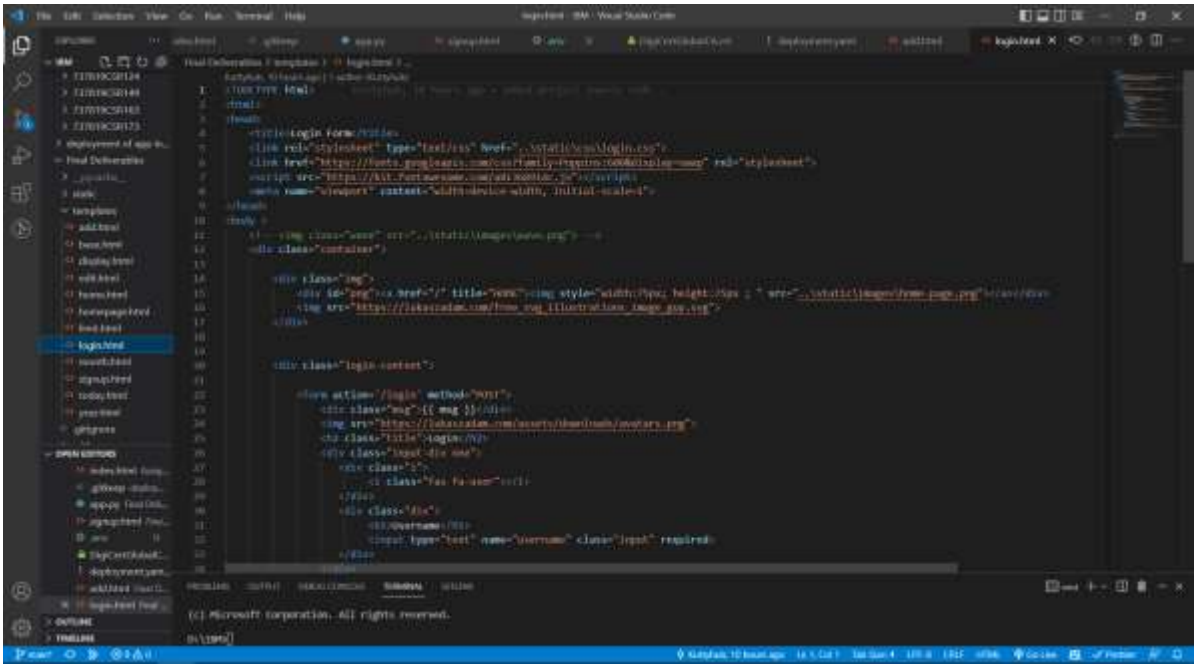
Sign up

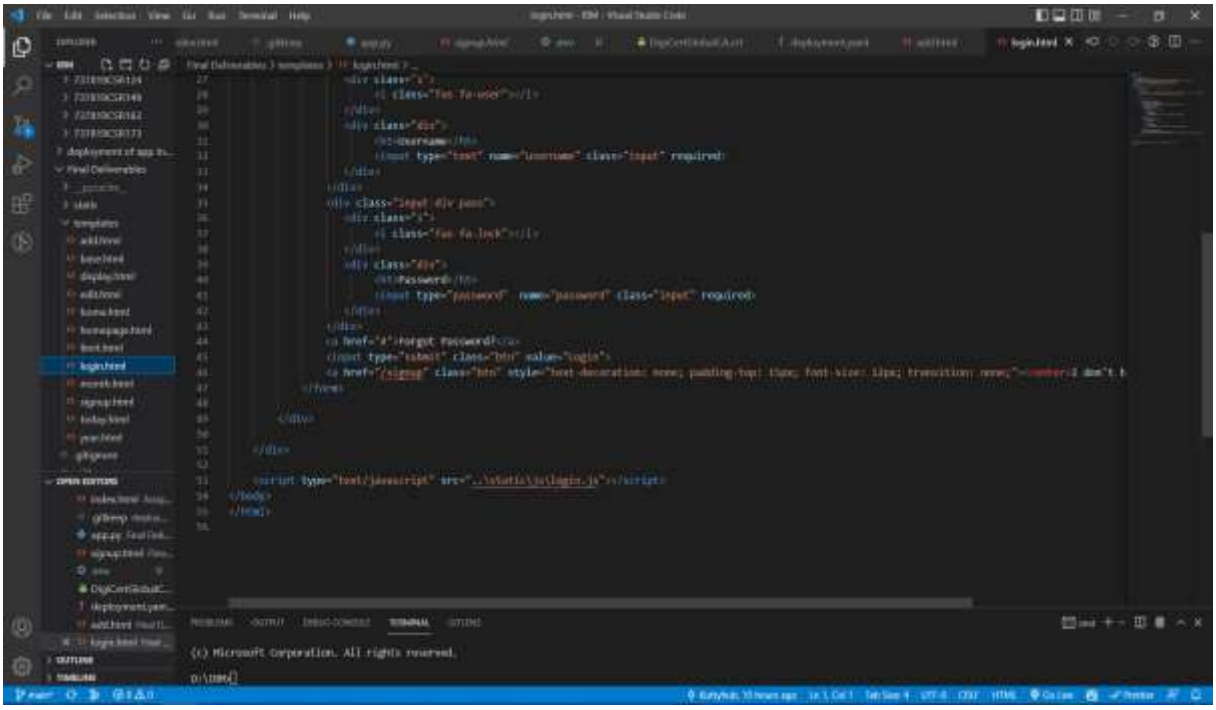
Html





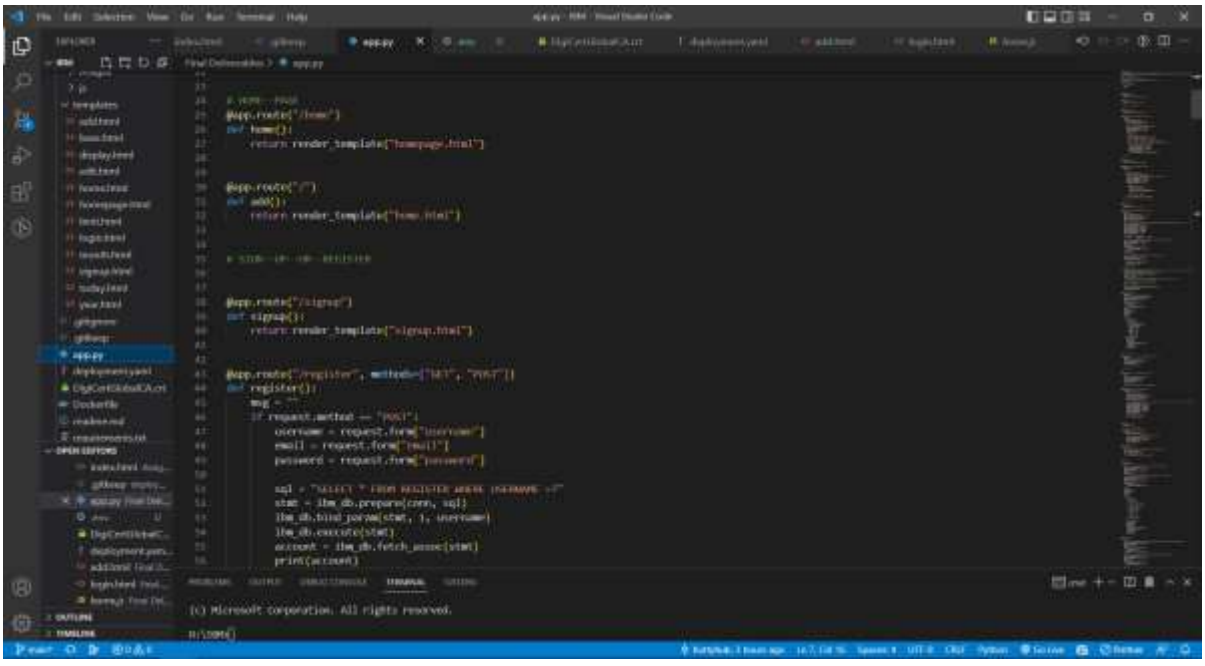
Login

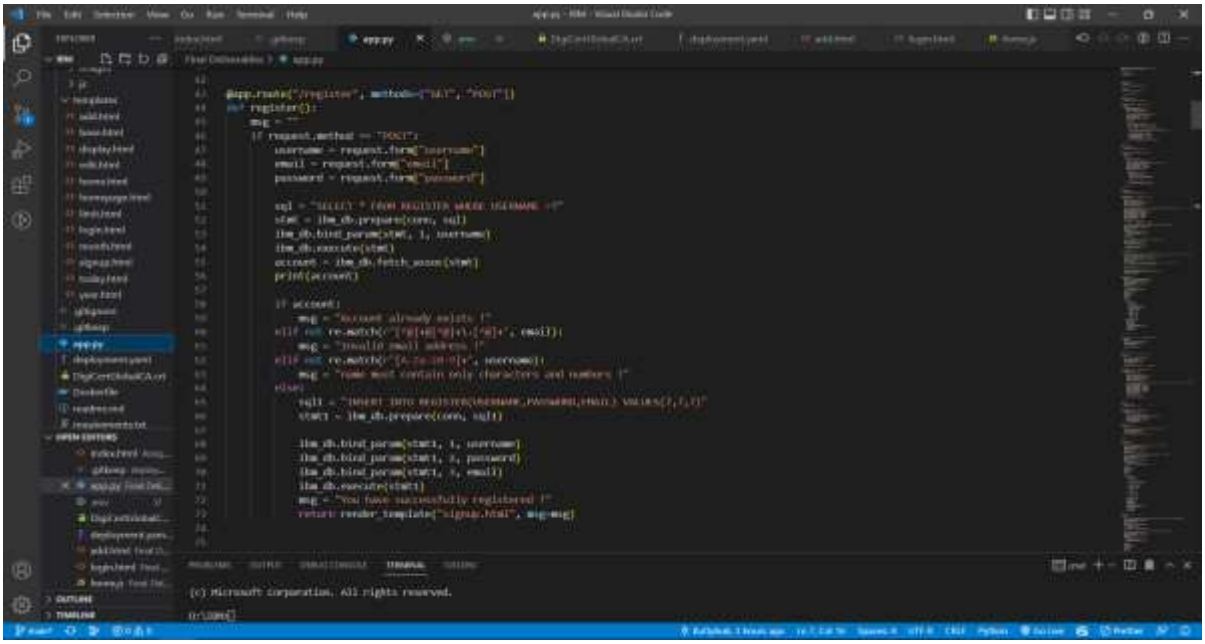




Flask Code

Signup





```
@app.route("/register", methods=["GET", "POST"])
def register():
    msg = ""
    if request.method == "POST":
        username = request.form["username"]
        email = request.form["email"]
        password = request.form["password"]

        sql = "SELECT * FROM REGISTER WHERE USERNAME =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)

        if account:
            msg = "Account already exists !"
        elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
            msg = "Invalid email address !"
        elif not re.match(r'[A-Za-z0-9]+', username):
            msg = "Name must contain only characters and numbers !"
        else:
            sql = "INSERT INTO REGISTER(USERNAME,PASSWORD,EMAIL) VALUES(?,?,?)"
            stmt = ibm_db.prepare(conn, sql)

            ibm_db.bind_param(stmt, 1, username)
            ibm_db.bind_param(stmt, 2, password)
            ibm_db.bind_param(stmt, 3, email)
            ibm_db.execute(stmt)
            msg = "You have successfully registered !"
            return render_template("signup.html", msg=msg)
```

```
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D:\IBM>
```
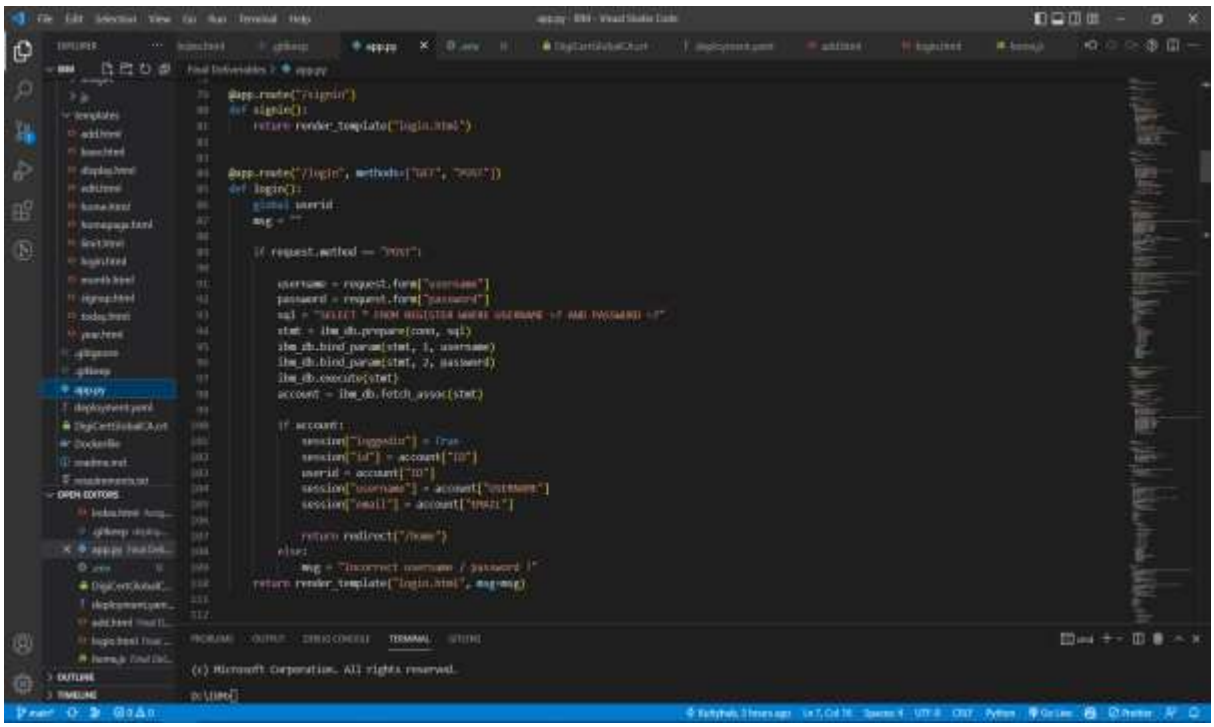

Login



```
@app.route("/signin")
def signin():
    return render_template("login.html")


@app.route("/login", methods=['GET', 'POST'])
def login():
    global userid
    msg = ""

    if request.method == "POST":

        username = request.form["username"]
        password = request.form["password"]
        sql = "SELECT * FROM REGISTER WHERE USERNAME =? AND PASSWORD =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)

        if account:
            session["loggedin"] = True
            session["id"] = account["ID"]
            userid = account["ID"]
            session["username"] = account["USERNAME"]
            session["email"] = account["EMAIL"]

            return redirect("/home")
        else:
            msg = "Incorrect username / password !"
    return render_template("login.html", msg=msg)
```

```
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D:\IBM>
```
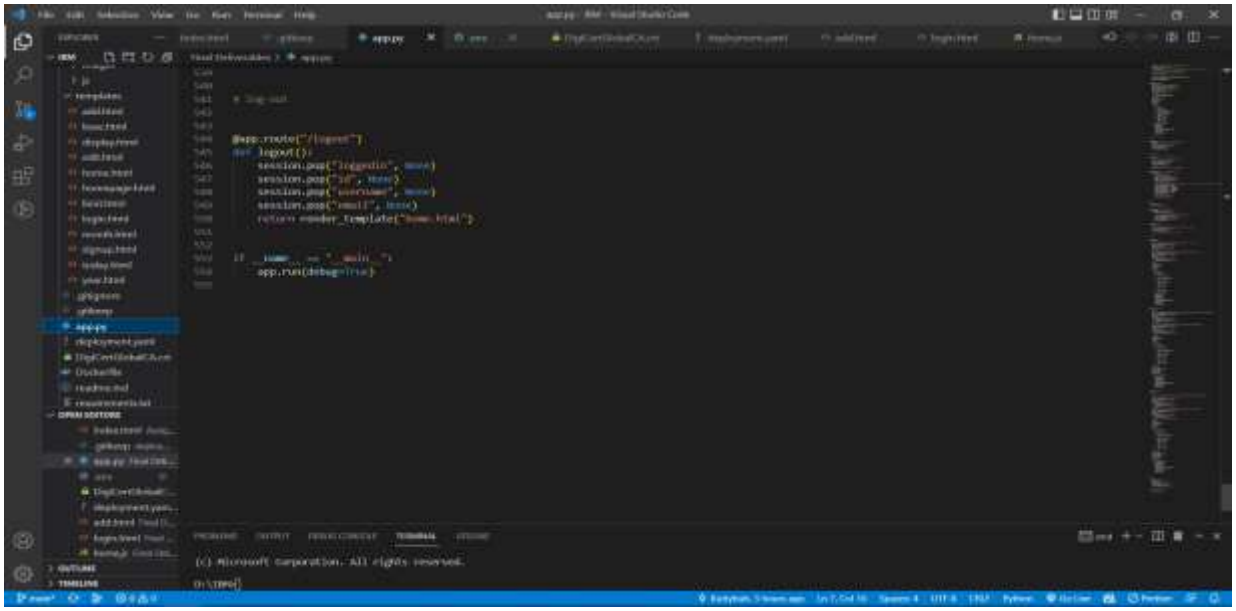

Log out


@app.route("/logout")
def logout():
session.pop("loggedin", None)
session.pop("id", None)
session.pop("username", None)
session.pop("email", None)
return render_template("home.html")
if __name__ == "__main__":
app.run(debug=True)
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