```
import os, pprint, sqlite3
from collections import namedtuple
from flask import Flask
from flask import request
from flask import redirect
from OpenSSL import SSL

app = Flask(__name__)

@app.route('/')
def login():
    s = """
    <!DOCTYPE html>
    <html lang="en">
    <body>
        <h1>Enter some text</h1>
        <form action="https://127.0.0.1:12111/login" method="POST">
            Name : <input type="text" name="name"><br>
            Password : <input type="text" name="password"><br>
            <input type="submit" name="login" value="Send">
        </form>
    </body>
    </html>
    """
    return s

@app.route('/login', methods=['GET'])
def login_get():
    if request.url == "https://127.0.0.1:12111/login":
        s = "You have not enter your name and password"
        return s

@app.route('/login', methods=['POST'])
def login_post():
    Name = request.form['name']
    Password = request.form['password']
    check = checkValidUser(Name,Password)
    if check == True:
```

```
            s = "https://127.0.0.1:12111/page" + "?" + "name=" + Name + "&" +
"password=" + Password
            return redirect(s)
        else:
            s = "Name or Password is wrong!"
            return s


@app.route('/page')
def page_post():
        if request.url == "https://127.0.0.1:12111/page":
            s = "You have not enter your name and password"
            return s

        a = request.args.get('name')
        b = request.args.get('password')
        userdata = showInWebsite(a,b)
        s = """
        <!DOCTYPE html>
        <html lang="en">
            User Data:<br>
        """
        s = s + userdata
        s = s + "<form action='https://127.0.0.1:12111/modify' method='POST'>"
        s = s + "Name : <input type='text' name='name' readonly value=" + a + "><br>"
        s = s + "Password : <input type='text' name='password' readonly value=" + b +
"><br>"
        s = s + """
                dollars : <input type="text" name="dollars"><br>
                memo : <input type="text" name="memo"><br>
                <input type="submit" name="modify" value="Modify data">
            </form>
        </html>
        """
        return s


@app.route('/modify', methods=['GET'])
```

```
def modify_get():
    if request.url == "https://127.0.0.1:12111/modify":
        s = "You have not enter your name and password"
        return s


@app.route('/modify', methods=['POST'])
def modify_post():
    name = request.form['name']
    password = request.form['password']
    dollars = request.form['dollars']
    memo = request.form['memo']
    updateInformation(name,password,dollars,memo)
    s = "https://127.0.0.1:12111/page" + "?" + "name=" + name + "&" +
"password=" + password
    return redirect(s)


def showInWebsite(name,password):
    c = db.cursor()
    c.execute('SELECT * FROM payment WHERE name = ? and password = ?',
(name,password))
    returnObject = c.fetchone()
    s = "" + returnObject[1] + "," + returnObject[2] + "," + returnObject[3] + "," +
returnObject[4]
    return s


def updateInformation(name,password,dollars,memo):
    c = db.cursor()
    if dollars != "":
        c.execute('UPDATE payment SET dollars = ? WHERE name = ?',
(dollars,name))
    if memo != "":
        c.execute('UPDATE payment SET memo = ? WHERE name = ?',
(memo,name))
    db.commit()
    pprint.pprint(showInCommand(name))
```

```
def checkValidUser(name,password):
    c = db.cursor()
    c.execute('SELECT * FROM payment WHERE name = ? and password = ?', (name,
password))
    returnObject = c.fetchone()
    if returnObject:
        print(returnObject[0])
        print(returnObject[1])
        print(returnObject[2])
        print(returnObject[3])
        print(returnObject[4])
        return True
    else:
        print("Name or Password is wrong!")
        return False


def checkDataBase(path):
    old = os.path.exists(path)
    if old:
        print("{} database exist".format(path))
        return True
    else:
        print("{} database does not exist".format(path))
        return False


def showInCommand(name):
    c = db.cursor()
    c.execute('SELECT * FROM payment WHERE name = ?', (name,))
    Row = namedtuple('Row', [tup[0] for tup in c.description])
    return [Row(*row) for row in c.fetchall()]


if __name__ == "__main__":
    exist = checkDataBase('bank.db')
```

```
if exist:
    global db
    db = sqlite3.connect('bank.db')
    pprint.pprint(showInCommand('apple'))
    pprint.pprint(showInCommand('banana'))
    pprint.pprint(showInCommand('cat'))
    #app.run()
    app.run('127.0.0.1', debug=False, port=12111, ssl_context='adhoc')
```