



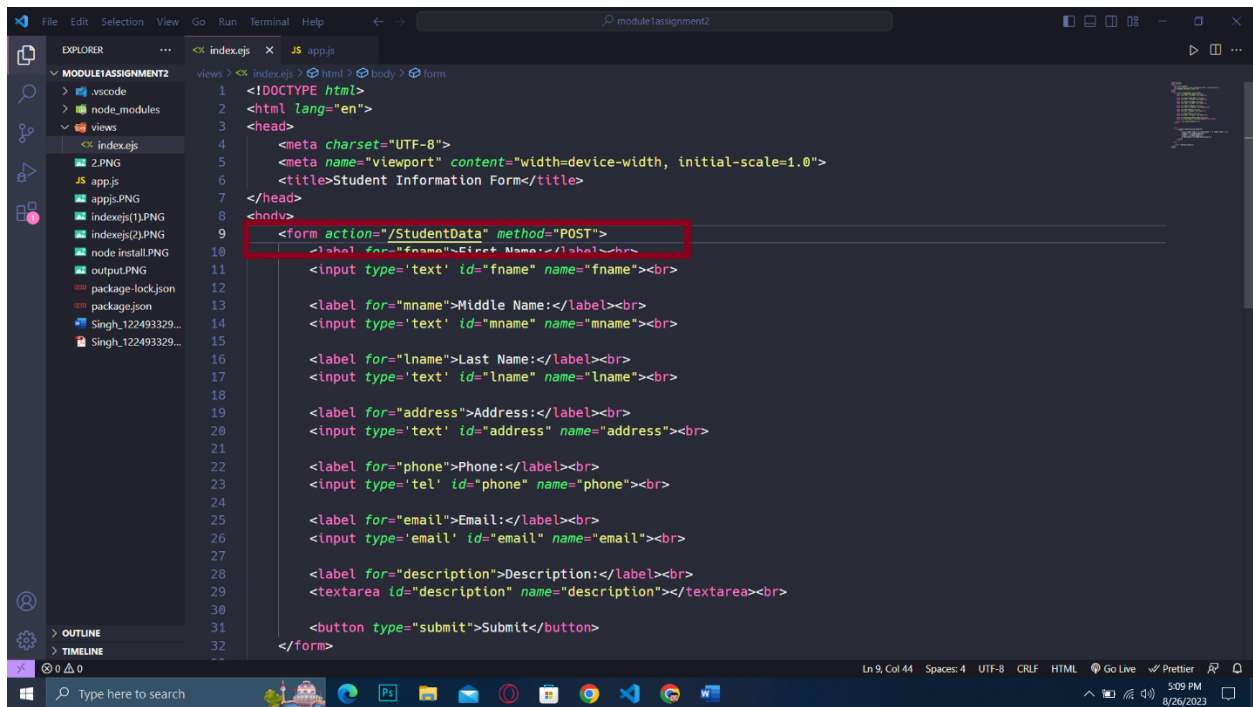
Name: Rishabh Singh

Asu id: 1224933294

Assignment: Module 1: Lab 2, Demonstration of Assignment 2

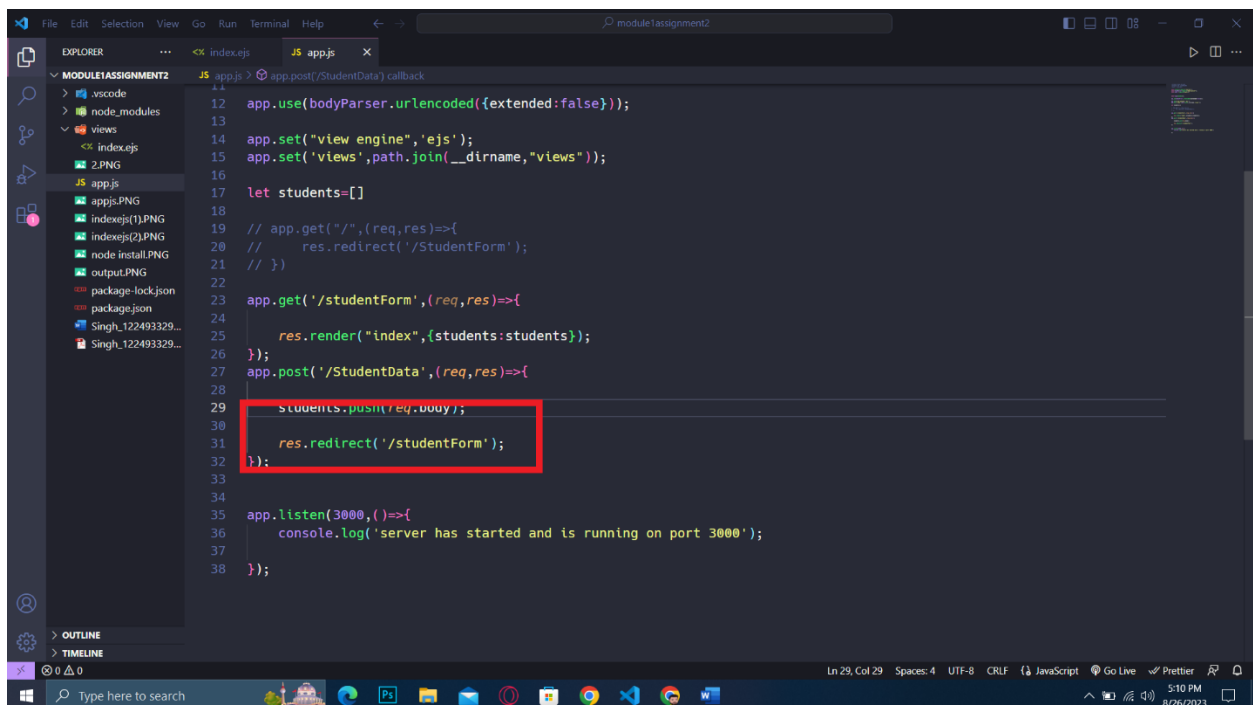
Date:8/26/2023

PART A:



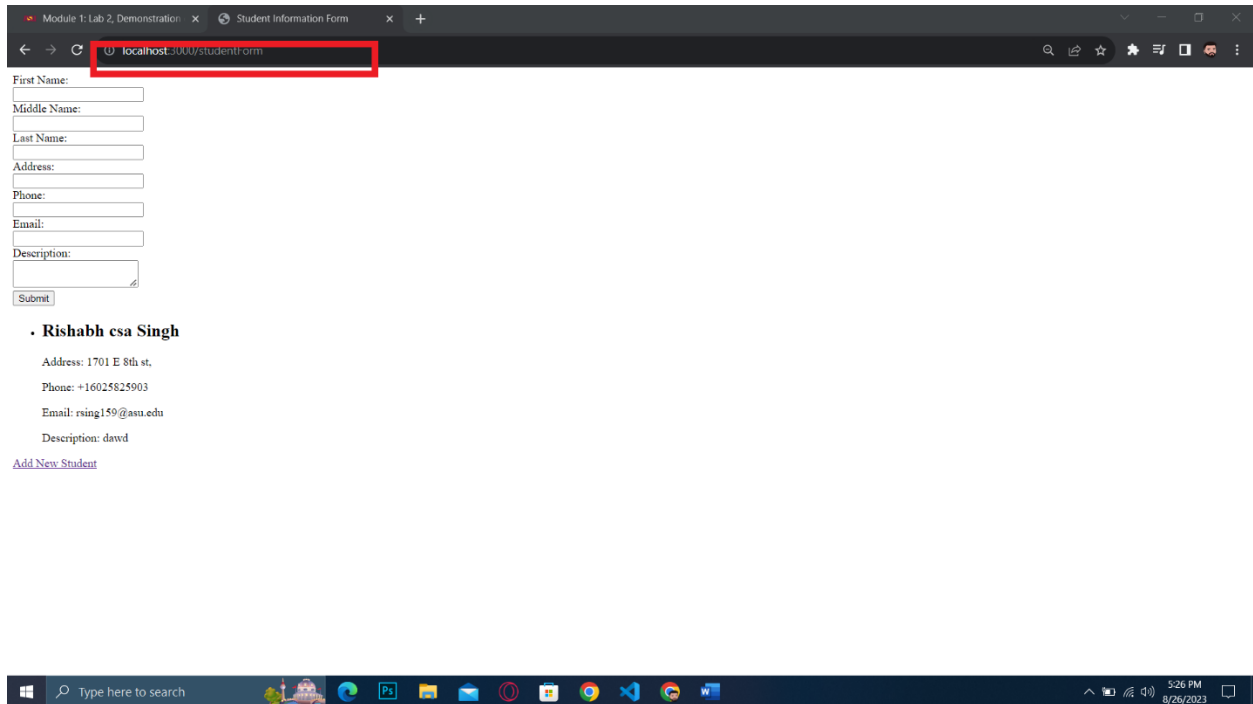
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Student Information Form</title>
7 </head>
8 <body>
9   <form action="/StudentData" method="POST">
10     <input type="text" id="fname" name="fname"><br>
11     <input type="text" id="mname" name="mname"><br>
12     <input type="text" id="lname" name="lname"><br>
13     <input type="text" id="address" name="address"><br>
14     <input type="tel" id="phone" name="phone"><br>
15     <input type="email" id="email" name="email"><br>
16     <input type="text" id="description" name="description"><br>
17     <button type="submit">Submit</button>
18   </form>
```

App.post is now submitting the data to /studentData page instead of the index page '/'. So that's why we have changed the action attribute in the form to '/studentData'.



```
12 app.use(bodyParser.urlencoded({extended:false}));
13
14 app.set("view engine","ejs");
15 app.set('views',path.join(__dirname,"views"));
16
17 let students=[]
18
19 // app.get("/",(req,res)=>{
20 //   res.redirect('/StudentForm');
21 // })
22
23 app.get('/studentForm',(req,res)=>{
24   res.render("index",{students:students});
25 });
26
27 app.post('/StudentData',(req,res)=>{
28   students.push(req.body);
29   res.redirect('/studentForm');
30 });
31
32
33
34
35 app.listen(3000,()=>{
36   console.log('server has started and is running on port 3000');
37 });
38
```

The form will now be displayed on Route
'http://localhost:3000/studentForm' as we have changed the route in
'App.get'. So now we must redirect to the same page instead of the
index page '/'.



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/studentForm'. The browser tabs include 'Module 1: Lab 2, Demonstration' and 'Student Information Form'. The page content features a form with the following fields: First Name, Middle Name, Last Name, Address, Phone, Email, and Description. Below the form is a 'Submit' button. Underneath the form, the profile of 'Rishabh esha Singh' is displayed, including their address (1701 E 8th st), phone number (+16025825903), email (rsing159@asu.edu), and description (david). A link labeled 'Add New Student' is located at the bottom left of the profile section. The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock indicating 5:26 PM on 8/26/2023.

Module 1: Lab 2, Demonstration x Student Information Form x +

localhost:3000/studentForm

First Name:
Middle Name:
Last Name:
Address:
Phone:
Email:
Description:
Submit

• **Rishabh esha Singh**

Address: 1701 E 8th st,
Phone: +16025825903
Email: rsing159@asu.edu
Description: david

[Add New Student](#)

Type here to search

5:26 PM
8/26/2023

You can see that now the form and the data are displayed on the
'http://localhost:3000/studentForm' page.

Part B:

Module 1: Lab 2, Demonstration x Student Information Form x +

localhost:8080/studentForm

First Name:

Middle Name:

Last Name:

Address:

Phone:

Email:

Description:

[Add New Student](#)

Type here to search

5:36 PM 8/26/2023

File Edit Selection View Go Run Terminal Help

module assignment2

EXPLORER

- MODULE1ASSIGNMENT2
 - .vscode
 - node_modules
 - views
 - index.js
 - 2.PNG
 - app.js
 - app.js.PNG
 - index.js(1).PNG
 - index.js(2).PNG
 - node install.PNG
 - output.PNG
 - package-lock.json
 - package.json
 - Singh_122493329...
 - Singh_122493329...

JS app.js

```
17 let students=[]
18
19
20 app.get('/studentForm',(req,res)=>{
21
22     res.render("index",{students:students});
23 });
24 app.post('/StudentData',(req,res)=>{
25
26     students.push(req.body);
27
28     res.redirect('/studentForm');
29 });
30
31
32 app.listen(8080,()=>{
33     console.log('server has started and is running on port 3000');
34
35 });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

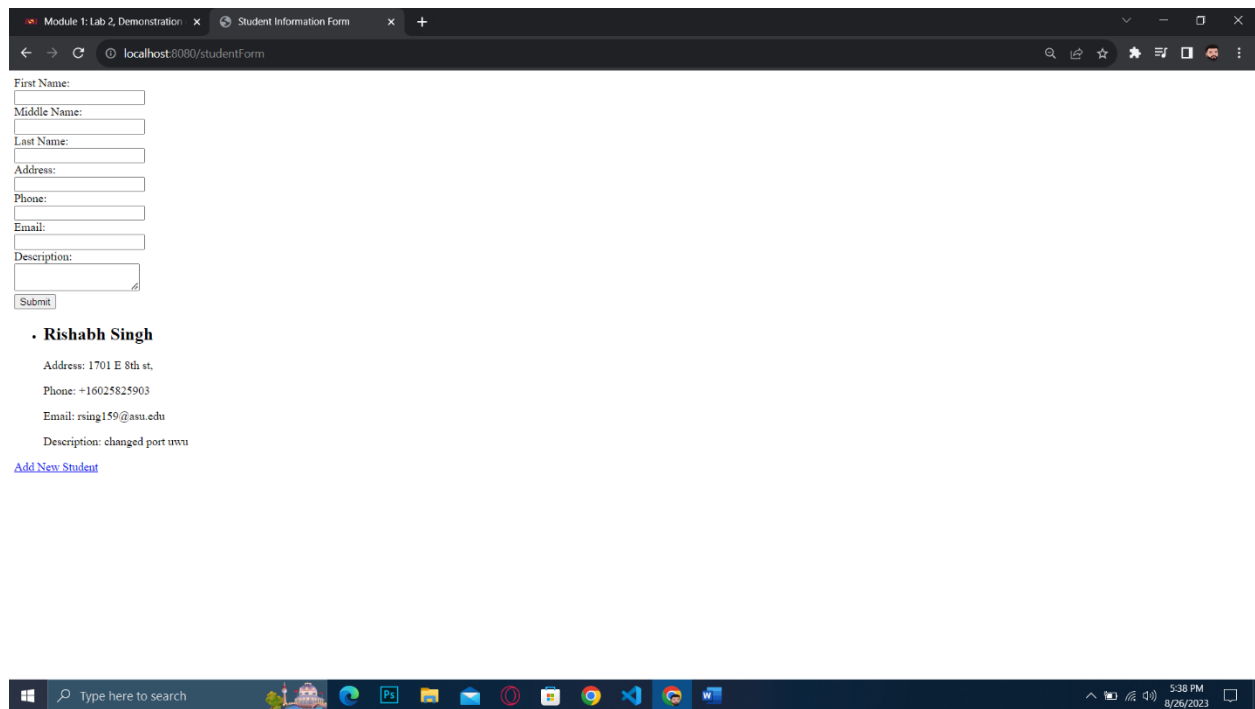
node app.js

server has started and is running on port 3000

Ln 19, Col 1 Spaces: 4 UTF-8 CRLF JavaScript Go Live Prettier

Type here to search

5:37 PM 8/26/2023



I have changed the port number to '8080', and the routes have also been changed; the routes are also working fine. Now the form and the data are being displayed on '/studentForm' page. When the form is being submitted it submits the data on the '/studentData' page and then is redirected to '/studentForm' after the data has been added to the 'students' array.