

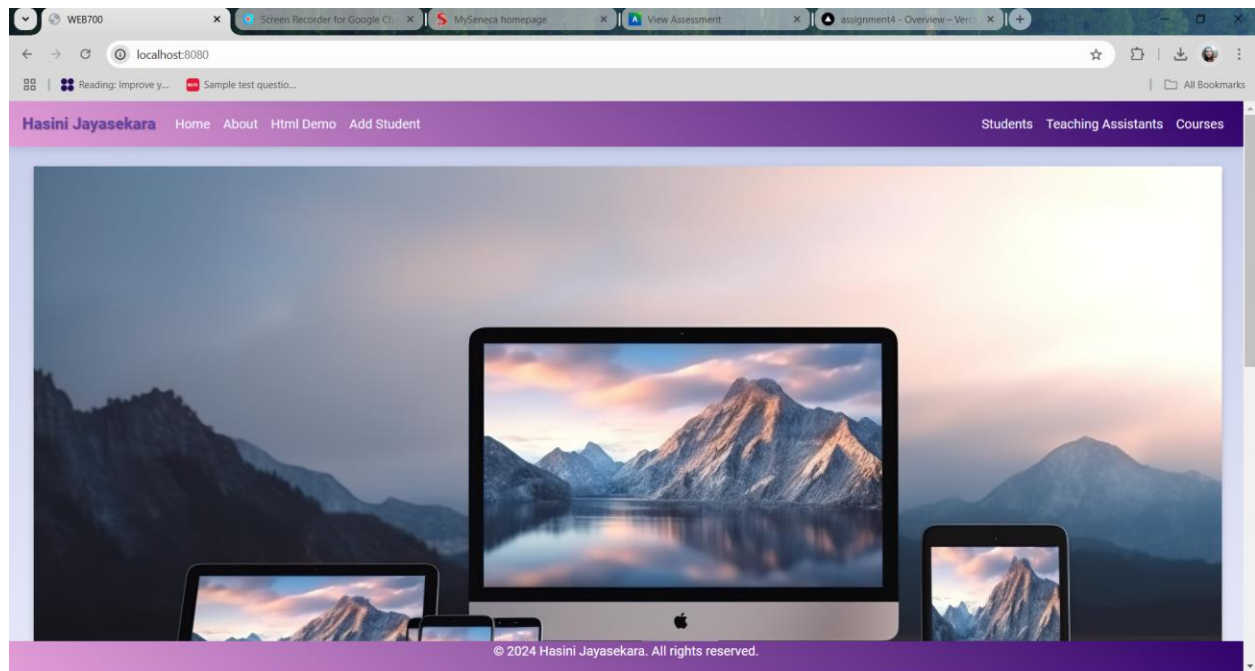
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## Assignment 4 Screenshots

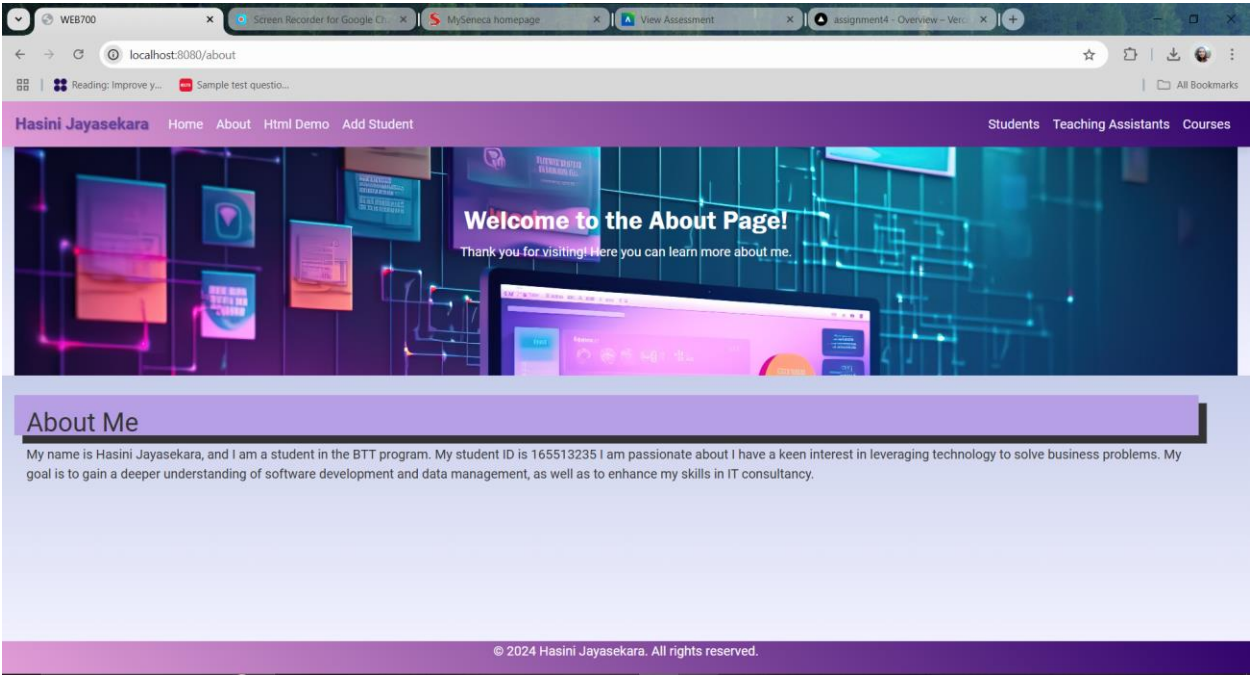
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### WEB PAGES

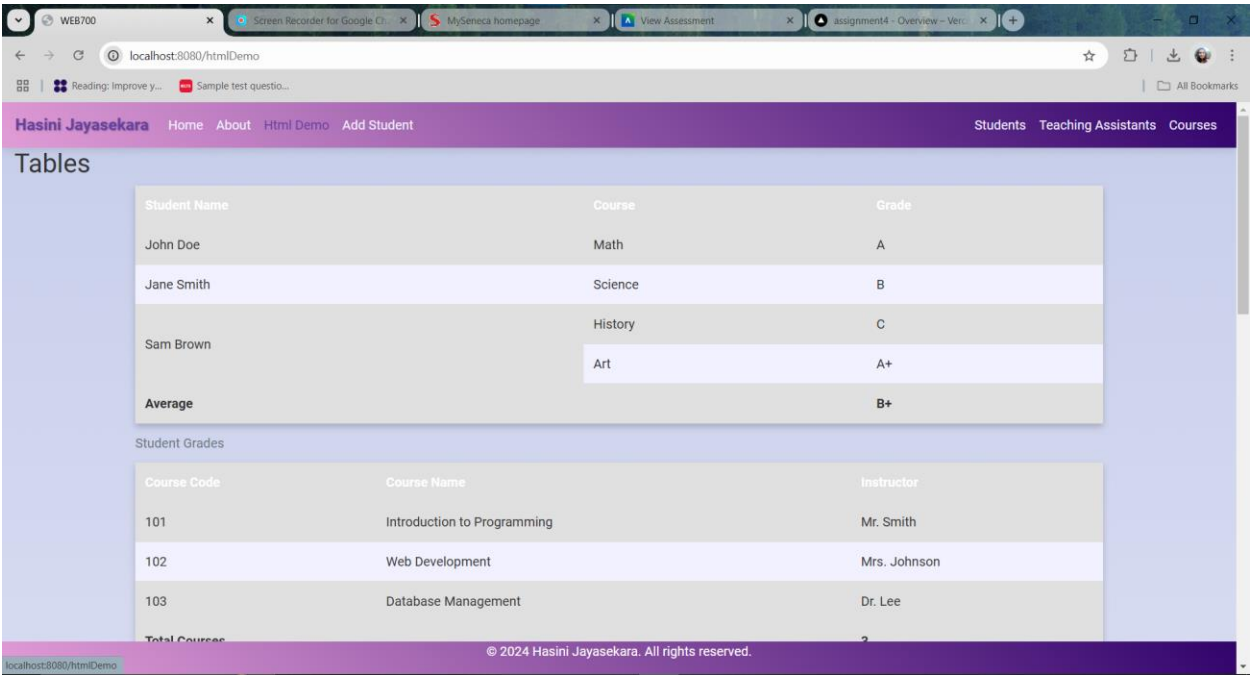
#### Home Page



About Page



HTML Demo Page



## Add Student Page

WEB700

Screen Recorder for Google Cr...MySeneca homepageView Assessmentassignment4 - Overview - Ver...

localhost:8080/addstudent

Reading: Improve y...Sample test questio...All Bookmarks

Hasini Jayasekara

HomeAboutHtml DemoAdd Student

StudentsTeaching AssistantsCourses

Personal Information

First Name:

firstName

Last Name:

lastName

Email:

Email

Address (Street):

addressStreet

Address (City):

addressCity

Address (Province):

addressProvince

Academic Information

College Employment:

☐ Teaching Assistant

Enrollment Status:

☐ Full Time☐ Part Time

Enrolled in Course:

Relational Database Design and Implementation

ADD STUDENT

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## Student Detail Submission: Successful

localhost:8080/students

Screen Recorder for Google Cr...MySeneca homepageView Assessmentassignment4 - Overview - Ver...

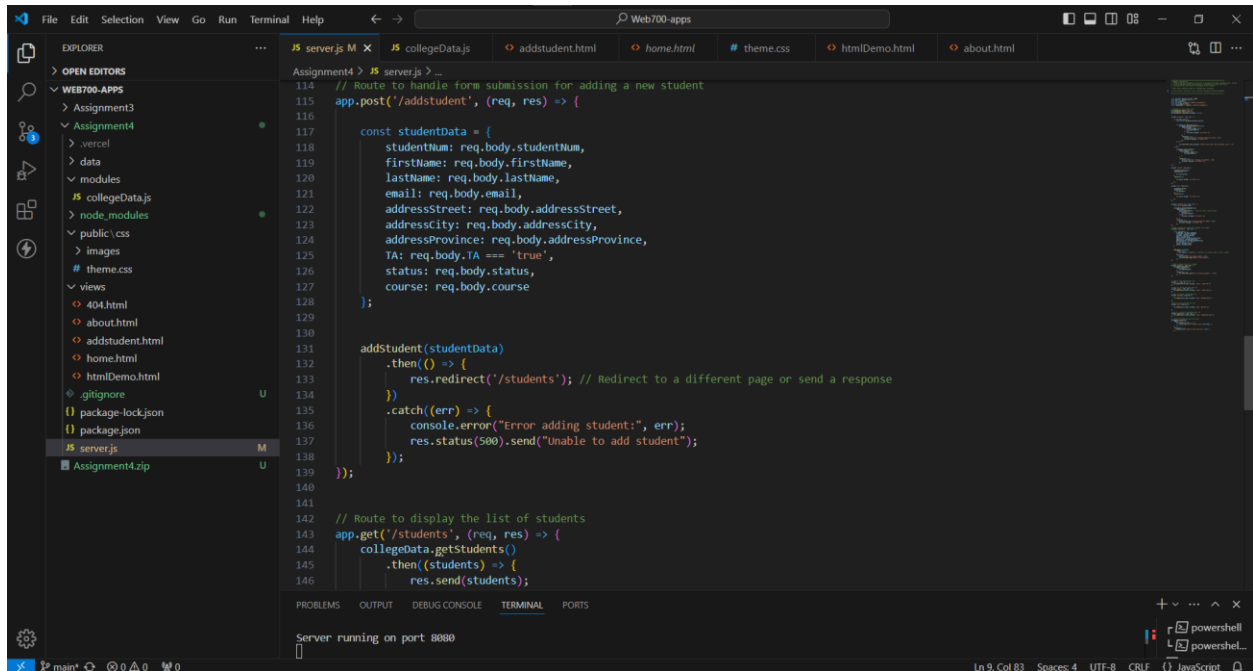
localhost:8080/students

Reading: Improve y...Sample test questio...All Bookmarks

Pretty-print

```
"addressStreet": "120,Huntingwood Drive",
"addressCity": "Scarborough",
"addressProvince": "ON",
"TA": true,
"status": "Full Time",
"course": "5"
},
{
"studentNum": 264,
"firstName": "Anton",
"lastName": "Jones",
"email": "antonjones@gmail.com",
"addressStreet": "150,Heatherinton Drive",
"addressCity": "Scarborough",
"addressProvince": "ON",
"TA": false,
"status": "Part Time",
"course": "8"
},
{
"studentNum": 265,
"firstName": "Mandy",
"lastName": "James",
"email": "mandyjames@gmail.com",
"addressStreet": "300,kennedy drive",
"addressCity": "Scarborough",
"addressProvince": "ON",
"TA": true,
"status": "Full Time",
"course": "4"
},
{
"studentNum": 266,
"firstName": "Harry",
"lastName": "Potter",
"email": "harryp@gmail.com",
"addressStreet": "140 Highhill Drive",
"addressCity": "Scarborough",
"addressProvince": "ON",
"TA": false,
"status": "Part Time",
"course": "5"
}
}
```

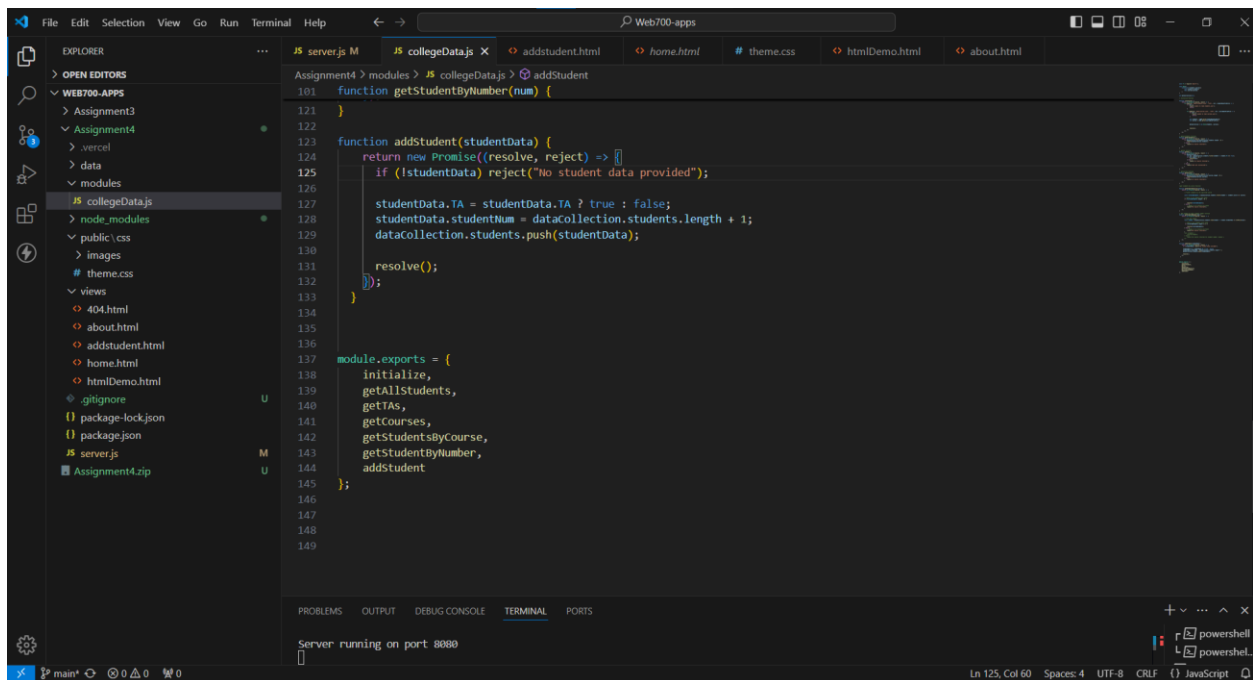
## Server.js add student function



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The file explorer shows a project structure with folders like 'data', 'modules', 'public', 'views', and files like 'collegeData.js', 'addStudent.html', 'home.html', 'theme.css', 'htmlDemo.html', and 'about.html'. The 'server.js' file is open in the editor, showing the 'addStudent' function. The function takes 'studentData' as an argument and uses 'res.redirect' to redirect to '/students'. It also includes a 'catch' block for error handling. The terminal at the bottom shows 'Server running on port 8080'.

```
114 // Route to handle form submission for adding a new student
115 app.post('/addstudent', (req, res) => {
116
117     const studentData = {
118         studentNum: req.body.studentNum,
119         firstName: req.body.firstName,
120         lastName: req.body.lastName,
121         email: req.body.email,
122         addressStreet: req.body.addressStreet,
123         addressCity: req.body.addressCity,
124         addressProvince: req.body.addressProvince,
125         TA: req.body.TA === 'true',
126         status: req.body.status,
127         course: req.body.course
128     };
129
130     addStudent(studentData)
131         .then(() => {
132             res.redirect('/students'); // Redirect to a different page or send a response
133         })
134         .catch(err => {
135             console.error("Error adding student:", err);
136             res.status(500).send("Unable to add student");
137         });
138 });
139
140
141 // Route to display the list of students
142 app.get('/students', (req, res) => {
143     collegeData.getStudents()
144         .then(students => {
145             res.send(students);
146         });
147 });
```

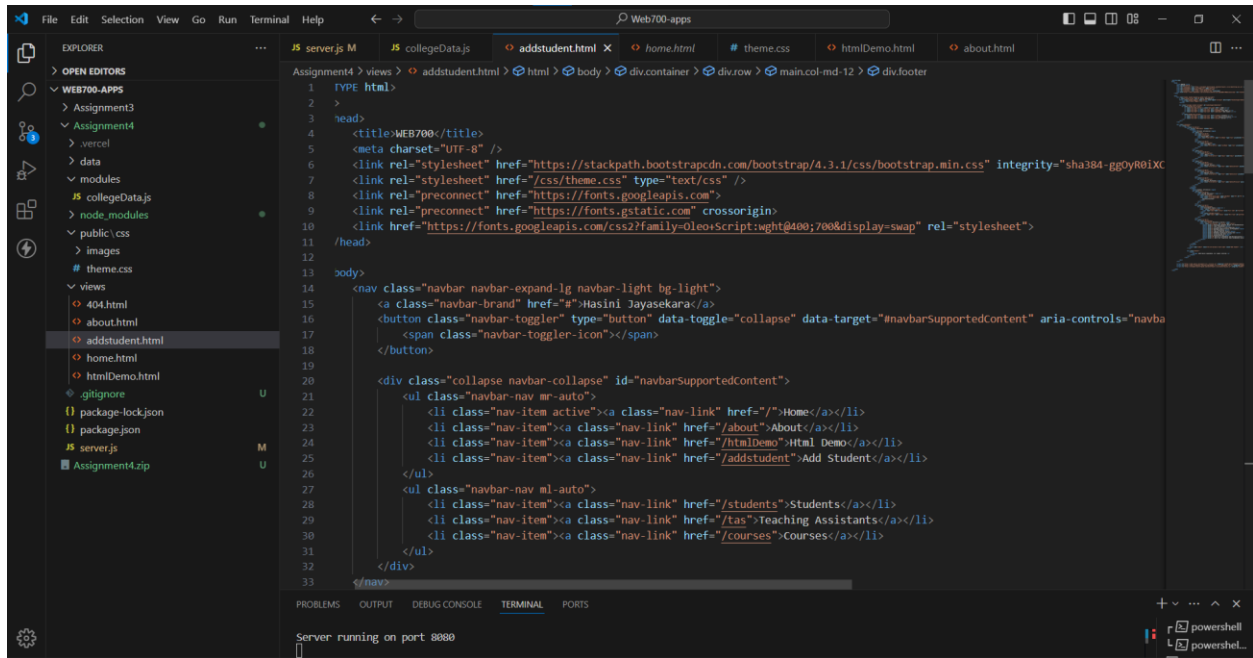
## College Data



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The file explorer shows a project structure with folders like 'data', 'modules', 'public', 'views', and files like 'collegeData.js', 'addStudent.html', 'home.html', 'theme.css', 'htmlDemo.html', and 'about.html'. The 'collegeData.js' file is open in the editor, showing the 'addStudent' function. The function takes 'studentData' as an argument and uses 'res.redirect' to redirect to '/students'. It also includes a 'catch' block for error handling. The terminal at the bottom shows 'Server running on port 8080'.

```
101 function getStudentByNumber(num) {
102
103 }
104
105 function addStudent(studentData) {
106     return new Promise((resolve, reject) => {
107         if (!studentData) reject("No student data provided");
108
109         studentData.TA = studentData.TA ? true : false;
110         studentData.studentNum = dataCollection.students.length + 1;
111         dataCollection.students.push(studentData);
112
113         resolve();
114     });
115 }
116
117 module.exports = {
118     initialize,
119     getAllStudents,
120     getTAs,
121     getCourses,
122     getStudentsByCourse,
123     getStudentByNumber,
124     addStudent
125 };
126
127
128
129
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```

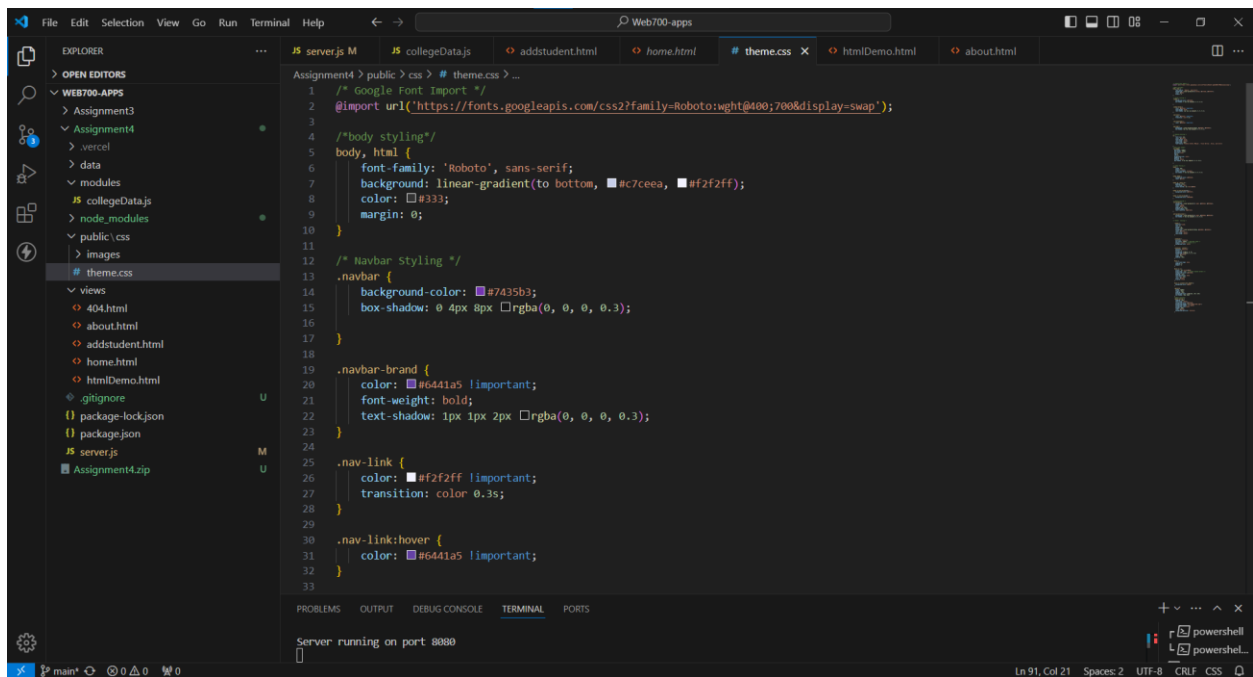
## Add Student Page



The screenshot shows a Visual Studio Code editor with a web application project. The Explorer sidebar on the left shows the file structure, including a 'views' directory with 'addstudent.html' selected. The main editor displays the HTML code for 'addstudent.html'. The code includes a head section with a title 'WEB700</title>', a meta charset, and links to Bootstrap CSS and Google Fonts. The body contains a navbar with a brand name 'Hasini Jayasekara' and a list of navigation links: Home, About, Html Demo, Add Student, Students, Teaching Assistants, and Courses. The 'Add Student' link is highlighted with the 'active' class. The terminal at the bottom shows the server running on port 8080.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>WEB700</title>
5 <meta charset="UTF-8" />
6 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-ggoy001XC" />
7 <link rel="stylesheet" href="/css/theme.css" type="text/css" />
8 <link rel="preconnect" href="https://fonts.googleapis.com">
9 <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
10 <link href="https://fonts.googleapis.com/css2?family=OleoScript:wght@400;700&display=swap" rel="stylesheet">
11 </head>
12
13 <body>
14 <nav class="navbar navbar-expand-lg navbar-light bg-light">
15 <a class="navbar-brand" href="#">Hasini Jayasekara</a>
16 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navba"
17 <span class="navbar-toggler-icon"></span>
18 </button>
19
20 <div class="collapse navbar-collapse" id="navbarSupportedContent">
21 <ul class="navbar-nav mr-auto">
22 <li class="nav-item active"><a class="nav-link" href="/">Home</a></li>
23 <li class="nav-item"><a class="nav-link" href="/about">About</a></li>
24 <li class="nav-item"><a class="nav-link" href="/htmlDemo">Html Demo</a></li>
25 <li class="nav-item"><a class="nav-link" href="/addstudent">Add Student</a></li>
26 </ul>
27 <ul class="navbar-nav ml-auto">
28 <li class="nav-item"><a class="nav-link" href="/students">Students</a></li>
29 <li class="nav-item"><a class="nav-link" href="/tas">Teaching Assistants</a></li>
30 <li class="nav-item"><a class="nav-link" href="/courses">Courses</a></li>
31 </ul>
32 </div>
33 </nav>
```

## Theme.css File



The screenshot shows the Visual Studio Code editor with the 'theme.css' file selected in the Explorer sidebar. The main editor displays the CSS code for 'theme.css'. The code includes a Google Font import for 'Roboto', a body styling section with font-family, background, color, and margin, and a navbar styling section with background-color, box-shadow, and font-weight. The navbar brand and link colors are defined with hex codes and important tags. The terminal at the bottom shows the server running on port 8080.

```
1 /* Google Font Import */
2 @import url('https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap');
3
4 /*body styling*/
5 body, html {
6 font-family: 'Roboto', sans-serif;
7 background: linear-gradient(to bottom, #c7ceea, #f2f2ff);
8 color: #4333;
9 margin: 0;
10 }
11
12 /* Navbar Styling */
13 .navbar {
14 background-color: #7435b3;
15 box-shadow: 0 4px 8px rgba(0, 0, 0, 0.3);
16 }
17
18 .navbar-brand {
19 color: #6441a5 !important;
20 font-weight: bold;
21 text-shadow: 1px 1px 2px rgba(0, 0, 0, 0.3);
22 }
23
24 .nav-link {
25 color: #f2f2ff !important;
26 transition: color 0.3s;
27 }
28
29 .nav-link:hover {
30 color: #6441a5 !important;
31 }
32
33
```