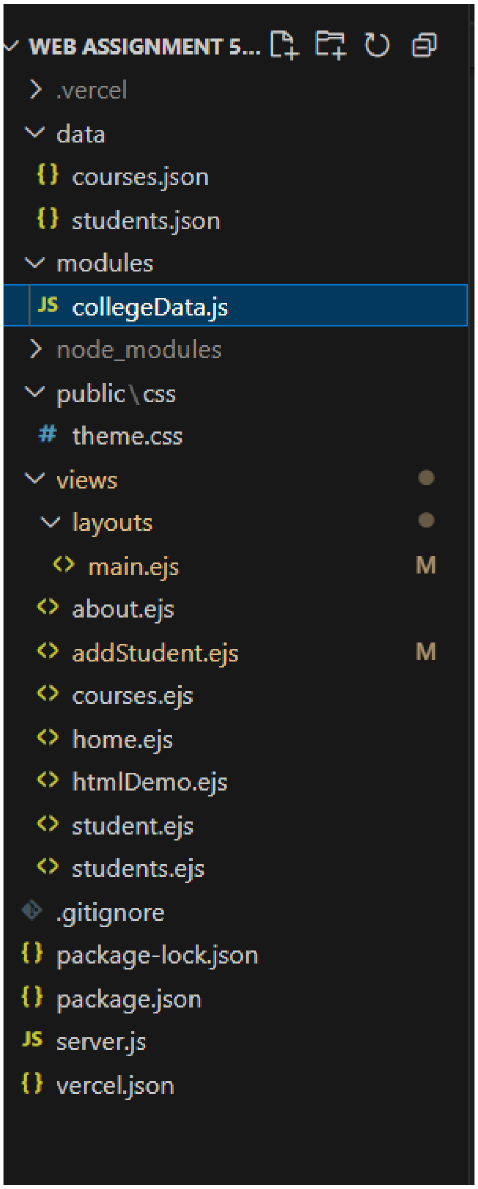
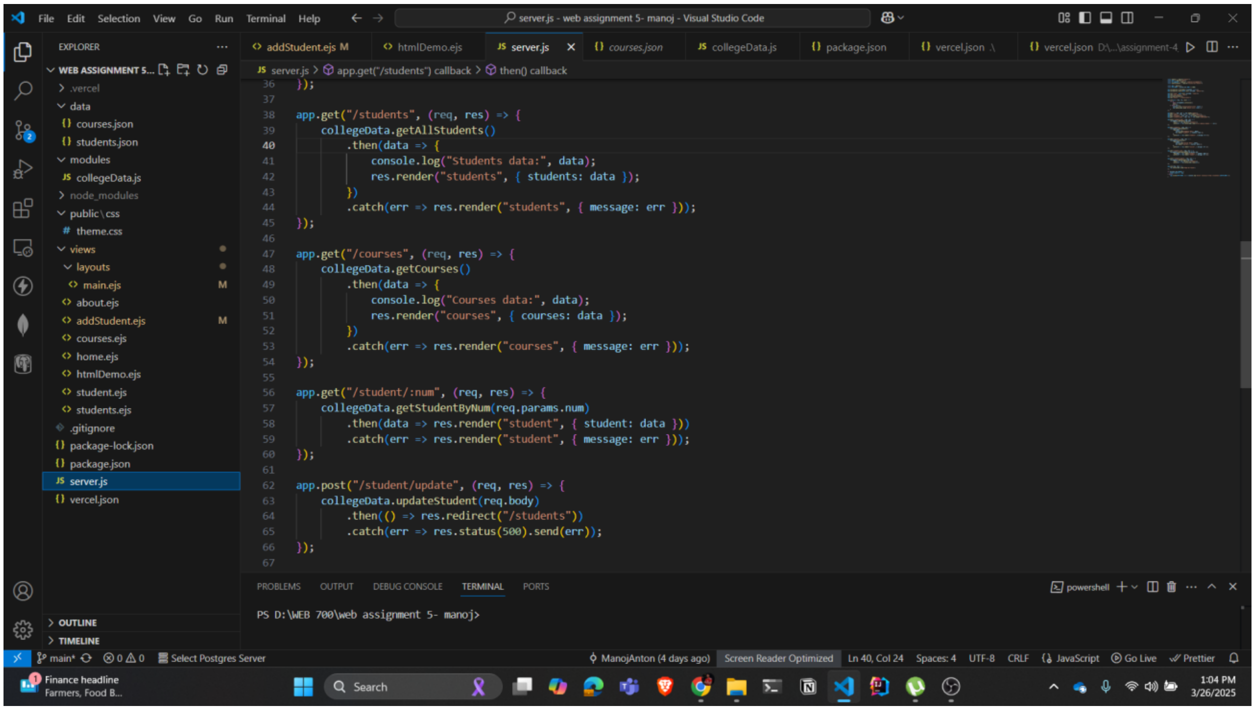
WEB700 Assignment 5



```
WEB ASSIGNMENT 5...
  > .vercel
  v data
      courses.json
      students.json
  v modules
      collegeData.js
  > node_modules
  v public \ css
      theme.css
  v views
    v layouts
        main.ejs                M
      about.ejs
      addStudent.ejs            M
      courses.ejs
      home.ejs
      htmlDemo.ejs
      student.ejs
      students.ejs
    .gitignore
    package-lock.json
    package.json
    server.js
    vercel.json
```

Figure 1: Project Structure



```
});

app.get("/students", (req, res) => {
    collegeData.getAllStudents()
        .then(data => {
            console.log("Students data:", data);
            res.render("students", { students: data });
        })
        .catch(err => res.render("students", { message: err }));
});

app.get("/courses", (req, res) => {
    collegeData.getCourses()
        .then(data => {
            console.log("Courses data:", data);
            res.render("courses", { courses: data });
        })
        .catch(err => res.render("courses", { message: err }));
});

app.get("/student/:num", (req, res) => {
    collegeData.getStudentByNum(req.params.num)
        .then(data => res.render("student", { student: data }))
        .catch(err => res.render("student", { message: err }));
});

app.post("/student/update", (req, res) => {
    collegeData.updateStudent(req.body)
        .then(() => res.redirect("/students"))
        .catch(err => res.status(500).send(err));
});
```

```
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```
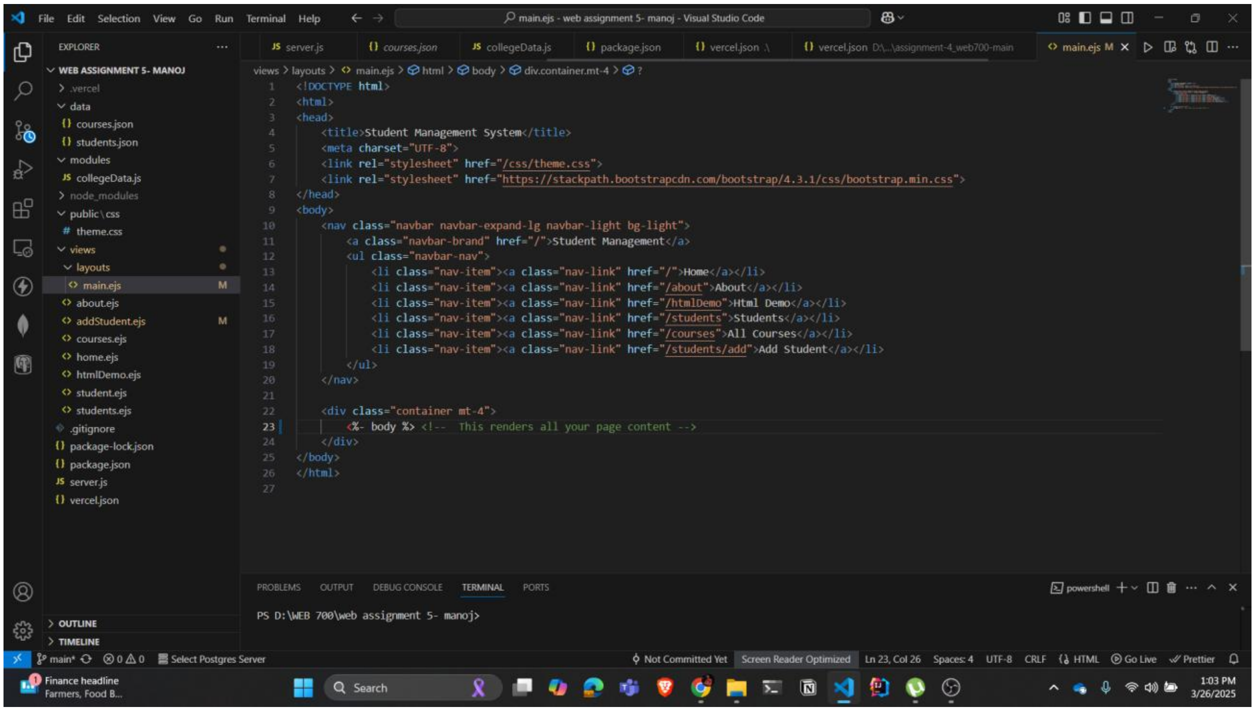
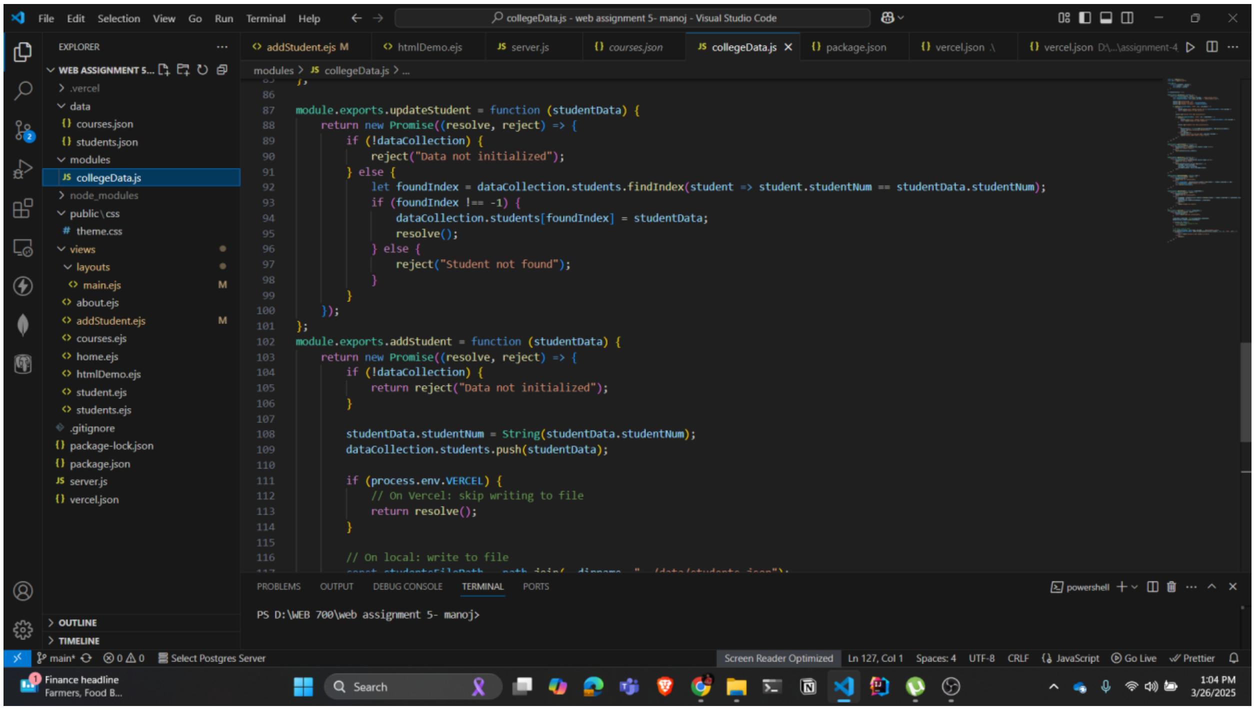

Figure 2:Server.js



```
<!DOCTYPE html>
<html>
<head>
    <title>Student Management System</title>
    <meta charset="UTF-8">
    <link rel="stylesheet" href="/css/theme.css">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <a class="navbar-brand" href="/">Student Management</a>
        <ul class="navbar-nav">
            <li class="nav-item"><a class="nav-link" href="/">Home</a></li>
            <li class="nav-item"><a class="nav-link" href="/about">About</a></li>
            <li class="nav-item"><a class="nav-link" href="/htmlDemo">Html Demo</a></li>
            <li class="nav-item"><a class="nav-link" href="/students">Students</a></li>
            <li class="nav-item"><a class="nav-link" href="/courses">All Courses</a></li>
            <li class="nav-item"><a class="nav-link" href="/students/add">Add Student</a></li>
        </ul>
    </nav>

    <div class="container mt-4">
        <%- body %> <!--  This renders all your page content -->
    </div>
</body>
</html>
```

```
PS D:\WEB 700\web assignment 5- manoj>
```

Figure 3:Main.ejs



```
module.exports.updateStudent = function (studentData) {
    return new Promise((resolve, reject) => {
        if (!dataCollection) {
            reject("Data not initialized");
        } else {
            let foundIndex = dataCollection.students.findIndex(student => student.studentNum == studentData.studentNum);
            if (foundIndex !== -1) {
                dataCollection.students[foundIndex] = studentData;
                resolve();
            } else {
                reject("Student not found");
            }
        }
    });
};
module.exports.addStudent = function (studentData) {
    return new Promise((resolve, reject) => {
        if (!dataCollection) {
            return reject("Data not initialized");
        }

        studentData.studentNum = String(studentData.studentNum);
        dataCollection.students.push(studentData);

        if (process.env.VERCEL) {
            // On Vercel: skip writing to file
            return resolve();
        }

        // On local: write to file
```

```
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```
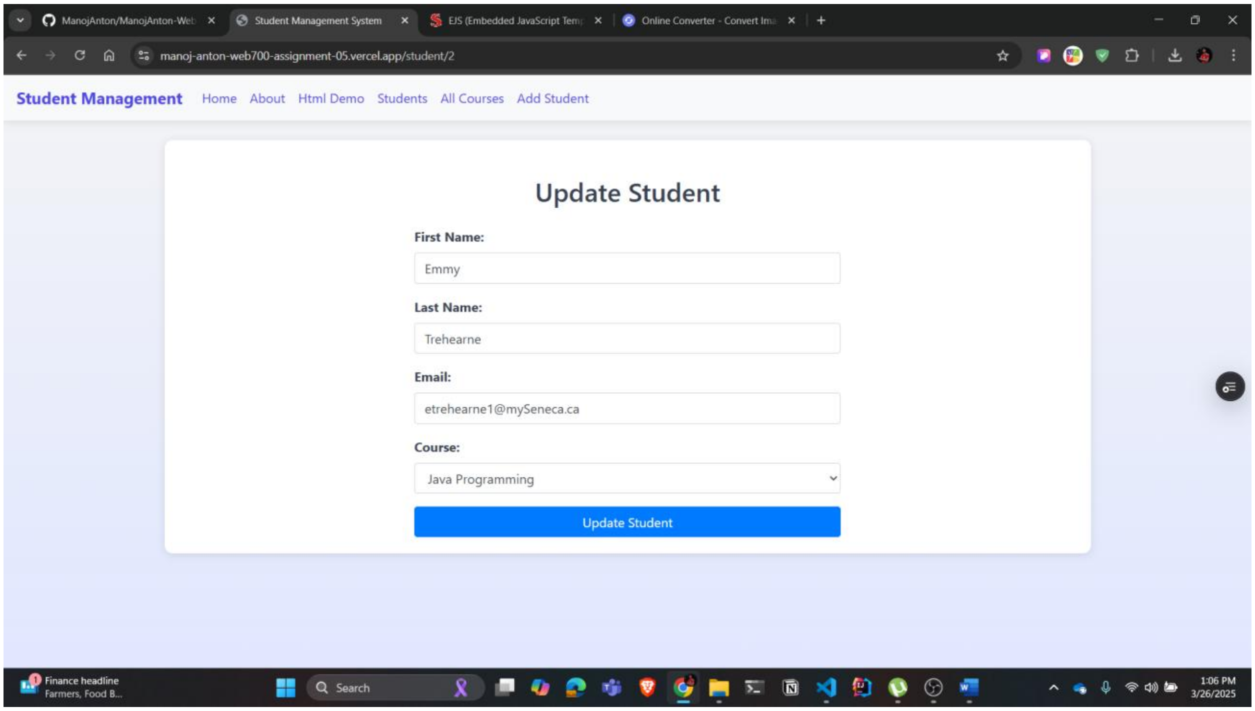

Figure 4:College data



manoj-anton-web700-assignment-05.vercel.app/student/2

Update Student

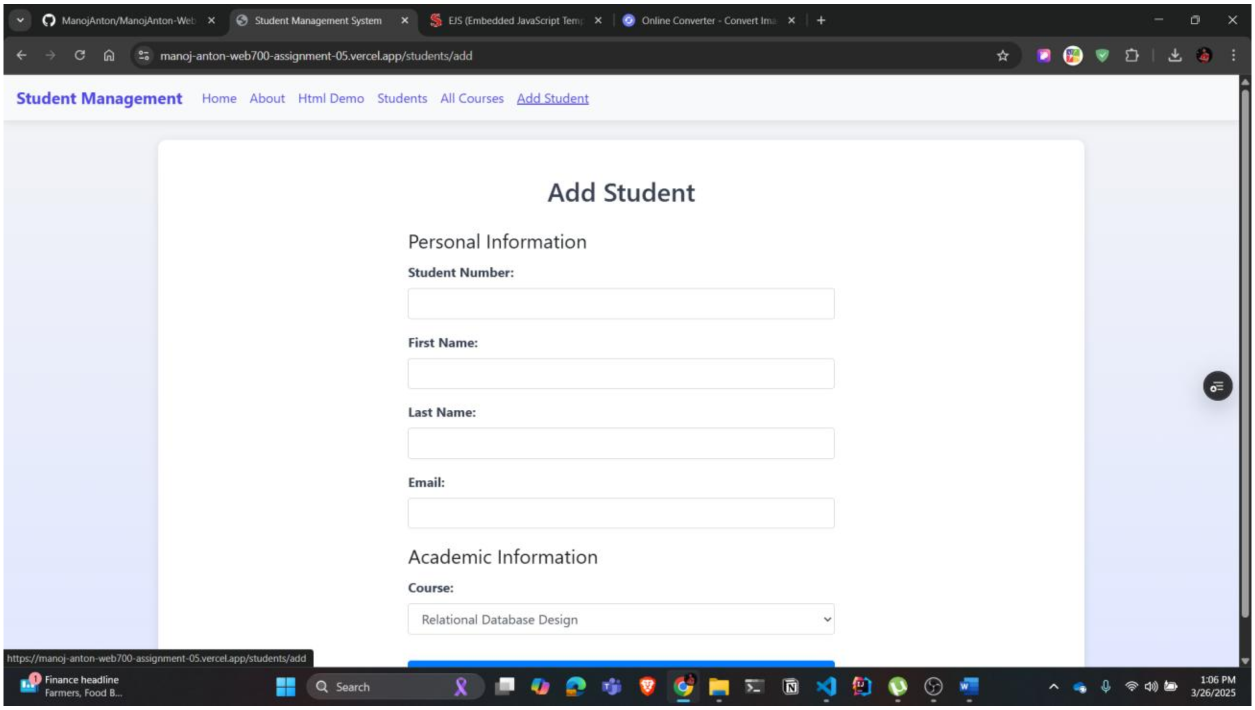
First Name: Emmy

Last Name: Trehearne

Email: etrehearne1@mySeneca.ca

Course: Java Programming

Figure 5:



Add Student

Personal Information

Student Number:

First Name:

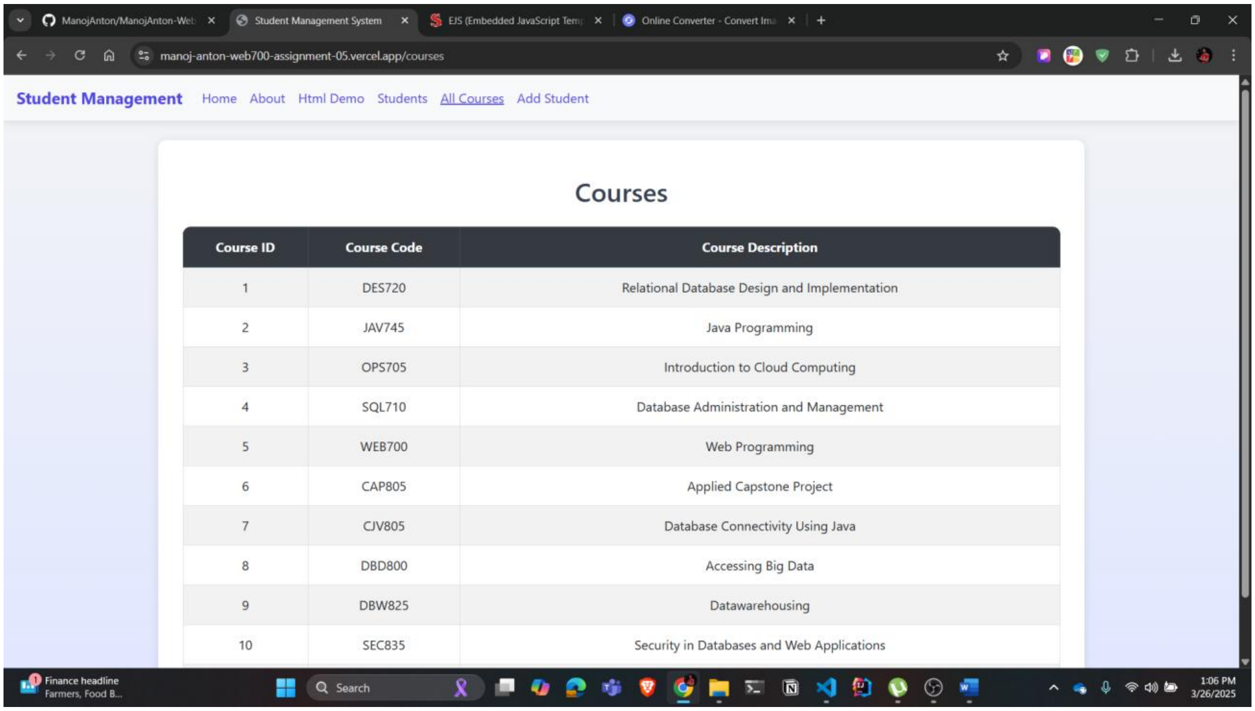
Last Name:

Email:

Academic Information

Course: Relational Database Design

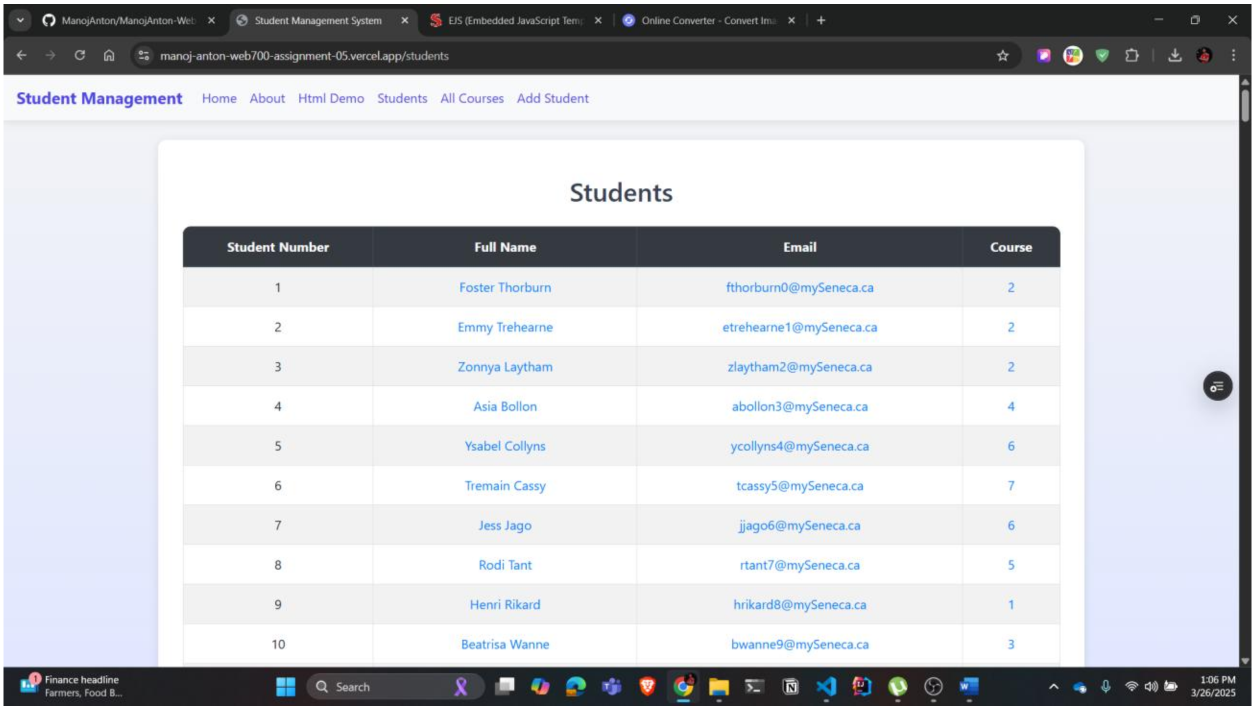
Figure 6



Courses

Course ID	Course Code	Course Description
1	DES720	Relational Database Design and Implementation
2	JAV745	Java Programming
3	OPS705	Introduction to Cloud Computing
4	SQL710	Database Administration and Management
5	WEB700	Web Programming
6	CAP805	Applied Capstone Project
7	CJV805	Database Connectivity Using Java
8	DBD800	Accessing Big Data
9	DBW825	Datawarehousing
10	SEC835	Security in Databases and Web Applications

Figure 7


ManojAnton/ManojAnton-Web
Student Management System
EJS (Embedded JavaScript Tem
Online Converter - Convert Ima
manoj-anton-web700-assignment-05.vercel.app/students
Student Management
Home
About
Html Demo
Students
All Courses
Add Student
Finance headline
Farmers, Food B...
Search
1:06 PM
3/26/2025

Students

Student Number	Full Name	Email	Course
1	Foster Thorburn	fthorburn0@mySeneca.ca	2
2	Emmy Trehearne	etrehearne1@mySeneca.ca	2
3	Zonnya Laytham	zlaytham2@mySeneca.ca	2
4	Asia Bollon	abollon3@mySeneca.ca	4
5	Ysabel Collyns	ycollyns4@mySeneca.ca	6
6	Tremain Cassy	tcassy5@mySeneca.ca	7
7	Jess Jago	jjago6@mySeneca.ca	6
8	Rodi Tant	rtant7@mySeneca.ca	5
9	Henri Rikard	hrikard8@mySeneca.ca	1
10	Beatrisa Wanne	bwanne9@mySeneca.ca	3

Figure 8