

# Cumulative 2 HTTP 5125 Back-End API / Webpage Test

## Teacher API

### Add Teacher Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "Bassey",
  "TeacherLname": "Ekom",
  "EmployeeNumber": "T779",
  "HireDate": "2023-08-08",
  "Salary": 75.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":true,"message":"Teacher added successfully."}%
(base) Genevieve@MacBook-Pro week3 %
```

### Add Teacher Ajax Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-H "X-Requested-With: XMLHttpRequest" \
-d '{
  "TeacherFname": "Solomon",
  "TeacherLname": "Doe",
  "EmployeeNumber": "T889",
  "HireDate": "2023-08-08",
  "Salary": 77.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":true,"message":"Teacher added successfully."}%
(base) Genevieve@MacBook-Pro week3 %
```

## Delete a teacher that does not exist Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/DeleteTeacher/30
Teacher not found.%
```

## Error Handling on Add when the Teacher Name is empty Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "",
  "TeacherLname": "",
  "EmployeeNumber": "T799",
  "HireDate": "2023-08-08",
  "Salary": 75.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":false,"message":"Invalid input data.", "errors":["First name is required.", "Last name is required."]}%
(base) Genevieve@MacBook-Pro week3 %
```

## Error Handling on Add when the Teacher Hire Date is in the future Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "Steve",
  "TeacherLname": "Joe",
  "EmployeeNumber": "T719",
  "HireDate": "2025-08-08",
  "Salary": 75.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":false,"message":"Invalid input data.", "errors":["Hire date is invalid or in the future."]}%
(base) Genevieve@MacBook-Pro week3 %
```

## Error Handling on Add when the Employee Number is not "T" followed by Digits1 Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "Peter",
  "TeacherLname": "Pan",
  "EmployeeNumber": "z719",
  "HireDate": "2023-08-08",
  "Salary": 75.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":false,"message":"Invalid input data.","errors":["Employee number must start with 'T' followed by exactly three digits."]}%
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "Peter",
  "TeacherLname": "Pan",
  "EmployeeNumber": "T71",
  "HireDate": "2023-08-08",
  "Salary": 75.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":false,"message":"Invalid input data.","errors":["Employee number must start with 'T' followed by exactly three digits."]}%
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "Peter",
  "TeacherLname": "Pan",
  "EmployeeNumber": "T7134",
  "HireDate": "2023-08-08",
  "Salary": 75.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":false,"message":"Invalid input data.","errors":["Employee number must start with 'T' followed by exactly three digits."]}%
(base) Genevieve@MacBook-Pro week3 %
```

## Error Handling on Add when the Employee Number is already taken by a different Teacher Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/AddTeacher \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "Peter",
  "TeacherLname": "Pan",
  "EmployeeNumber": "T401",
  "HireDate": "2023-08-08",
  "Salary": 75.50,
  "TeacherWorkPhone": "555-123-4567"
}'
{"success":false,"message":"Error: Employee number is already taken by another teacher."}%
(base) Genevieve@MacBook-Pro week3 %
```

## Search Teacher by Name and HireDate Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X GET "http://localhost:5254/api/TeacherAPI/ListTeachers/John" \
-H "Content-Type: application/json"

[{"teacherId":10,"teacherFname":"John","teacherLname":"Taram","employeeNumber":"T505","hireDate":"2015-10-23T00:00:00","salary":79.63,"teacherWorkPhone":null,"courses":[]},{ "teacherId":15,"teacherFname":"John","teacherLname":"Doe","employeeNumber":"T123","hireDate":"2023-01-01T00:00:00","salary":120.00,"teacherWorkPhone":null,"courses":[]}]

(base) Genevieve@MacBook-Pro week3 %

(base) Genevieve@MacBook-Pro week3 % curl -X GET "http://localhost:5254/api/TeacherAPI/ListTeachers?startDate=2023-01-01&endDate=2024-12-31" \
-H "Content-Type: application/json"

[{"teacherId":13,"teacherFname":"Paul","teacherLname":"Hilson","employeeNumber":"T601","hireDate":"2024-11-19T00:00:00","salary":95.78,"teacherWorkPhone":null,"courses":[]},{ "teacherId":15,"teacherFname":"John","teacherLname":"Doe","employeeNumber":"T123","hireDate":"2023-01-01T00:00:00","salary":120.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":16,"teacherFname":"Janet","teacherLname":"Jackson","employeeNumber":"T444","hireDate":"2023-01-01T00:00:00","salary":130.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":17,"teacherFname":"Micheal","teacherLname":"Jackson","employeeNumber":"T222","hireDate":"2024-11-22T00:00:00","salary":89.03,"teacherWorkPhone":null,"courses":[]},{ "teacherId":18,"teacherFname":"Amanda","teacherLname":"Brown","employeeNumber":"T432","hireDate":"2024-11-23T00:00:00","salary":98.67,"teacherWorkPhone":null,"courses":[]},{ "teacherId":19,"teacherFname":"Jack","teacherLname":"Ndu","employeeNumber":"T945","hireDate":"2024-11-23T00:00:00","salary":110.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":20,"teacherFname":"Icey","teacherLname":"Prince","employeeNumber":"T543","hireDate":"2024-11-23T00:00:00","salary":99.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":21,"teacherFname":"Joe","teacherLname":"Duke","employeeNumber":"T567","hireDate":"2024-11-23T00:00:00","salary":120.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":22,"teacherFname":"Jude","teacherLname":"Mba","employeeNumber":"T365","hireDate":"2024-11-23T00:00:00","salary":130.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":24,"teacherFname":"James","teacherLname":"Ola","employeeNumber":"T609","hireDate":"2024-11-23T00:00:00","salary":132.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":27,"teacherFname":"Jude","teacherLname":"Okon","employeeNumber":"T974","hireDate":"2024-11-23T00:00:00","salary":121.00,"teacherWorkPhone":null,"courses":[]},{ "teacherId":28,"teacherFname":"Silas","teacherLname":"Eje","employeeNumber":"T399","hireDate":"2024-11-23T00:00:00","salary":45.00,"teacherWorkPhone":null,"courses":[]}]

(base) Genevieve@MacBook-Pro week3 %
```

## Delete Teacher Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/DeleteTeacher/30
Teacher deleted successfully.

(base) Genevieve@MacBook-Pro week3 %
```

## Delete Teacher Ajax Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/DeleteTeacher/29 \
-H "Content-Type: application/json" \
-H "X-Requested-With: XMLHttpRequest"
Teacher deleted successfully.

(base) Genevieve@MacBook-Pro week3 %
```

## Update Teacher Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/1 \
-H "Content-Type: application/json" \
-d '{
  "TeacherFname": "Alexander",
  "TeacherLname": "Bennet",
  "EmployeeNumber": "T378",
  "HireDate": "2016-08-05",
  "Salary": 56.75,
  "TeacherWorkPhone": "555-987-6543"
}'
{"success":true,"message":"Teacher updated successfully."}%
(base) Genevieve@MacBook-Pro week3 %
```

## Update Teacher Ajax Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/TeacherAPI/1 \
-H "Content-Type: application/json" \
-H "X-Requested-With: XMLHttpRequest" \
-d '{
  "TeacherFname": "Alexander",
  "TeacherLname": "Bennet",
  "EmployeeNumber": "T378",
  "HireDate": "2016-08-05",
  "Salary": 98.75,
  "TeacherWorkPhone": "555-987-6543"
}'
{"success":true,"message":"Teacher updated successfully."}%
(base) Genevieve@MacBook-Pro week3 %
```

## List Teacher Web Page

The screenshot shows a web browser window with the URL [localhost:5254/TeacherPage/List](http://localhost:5254/TeacherPage/List). The page title is "List of Teachers". At the top, there are two links: "Add New Teacher" and "Add New Teacher With AJAX". Below the title is a search bar with fields for "Search by Name:" and date ranges for "Start Hire Date:" and "End Hire Date:", both in "yyyy-mm-dd" format. A "Search" button is located to the right of the date fields. The main content area displays a table with columns "ID", "Name", and "Action". The table contains 11 rows of teacher data:

| ID | Name             | Action       |
|----|------------------|--------------|
| 1  | Alexander Bennet | Show Details |
| 2  | Caitlin Cummings | Show Details |
| 3  | Linda Chan       | Show Details |
| 4  | Lauren Smith     | Show Details |
| 5  | Jessica Morris   | Show Details |
| 6  | Thomas Hawkins   | Show Details |
| 7  | Shannon Barton   | Show Details |
| 8  | Dana Ford        | Show Details |
| 9  | Cody Holland     | Show Details |
| 10 | John Taram       | Show Details |
|    | Paul Hilson      | Show Details |

## Add Teacher Web Page

The screenshot shows a web browser window with the URL [localhost:5254/TeacherPage/New](http://localhost:5254/TeacherPage/New). The page title is "New Teacher". At the top, there is a link "Back To Teachers". The form fields are as follows:

- First Name:
- Last Name:
- Employee Number:
- Hire Date:  (with a calendar icon)
- Salary:
- Work Phone:

At the bottom of the form is a blue "Add Teacher" button.

At the very bottom of the page, there is a footer with the text "© 2024 - SchoolDatabaseCTwo - [Privacy](#)".

## Add Teacher Success Web Page

SchoolDatabaseCTwo Home Privacy Teacher Student Course

The screenshot shows a web application interface for managing teachers. At the top, there are two blue links: "Add New Teacher" and "Add New Teacher With AJAX". Below them is a title "List of Teachers". A green success message box contains the text "Teacher added successfully.". Underneath is a search bar with fields for "Search by Name:" and date ranges for "Start Hire Date:" and "End Hire Date:", each with a calendar icon. A blue "Search" button is to the right. Below the search bar is a table with columns "ID", "Name", and "Action". The table contains five rows of teacher data:

| ID | Name             | Action       |
|----|------------------|--------------|
| 1  | Alexander Bennet | Show Details |
| 2  | Caitlin Cummings | Show Details |
| 3  | Linda Chan       | Show Details |
| 4  | Lauren Smith     | Show Details |
| 5  | Jessica Morris   | Show Details |

## View Teacher Web Page

The screenshot shows a browser window with the URL "localhost:5254/TeacherPage/Show/31". The page title is "Teacher Information". It displays the following details for Teacher ID 31:

|                  |                       |
|------------------|-----------------------|
| ID:              | 31                    |
| Employee Number: | T629                  |
| Salary:          | 98.76                 |
| Full Name:       | Pablo Fernendez       |
| Hire Date:       | 11/23/2024 12:00:00AM |
| Work Phone:      | 386-983-7259          |

Below this section is a heading "Courses Taught" followed by the message "No courses assigned to this teacher." At the bottom of the page are four buttons arranged in a 2x2 grid:

|                                |  |
|--------------------------------|--|
| <a href="#">Update Teacher</a> | <a href="#">Update Teacher with AJAX</a> |
| <a href="#">Delete Teacher</a> | <a href="#">Delete Teacher with AJAX</a> |

## Teacher Confirm Delete Web page

A screenshot of a web browser window. The address bar shows the URL `localhost:5254/TeacherPage/DeleteConfirm/31`. The page content asks, "Are you sure you want to delete Pablo Fernandez?". Below this, a note says, "This action cannot be undone." At the bottom are two buttons: "Cancel" (in a blue box) and "Confirm Delete" (in a red box).

## Teacher Delete Success Web page

A screenshot of a web browser window. The address bar shows the URL `localhost:5254/TeacherPage/List`. The page content displays a success message: "Teacher deleted successfully!". Below this is a table titled "List of Teachers" showing the following data:

| ID | Name             | Action       |
|----|------------------|--------------|
| 1  | Alexander Bennet | Show Details |
| 2  | Caitlin Cummings | Show Details |
| 3  | Linda Chan       | Show Details |
| 4  | Lauren Smith     | Show Details |
| 5  | Jessica Morris   | Show Details |
| 6  | Thomas Hawkins   | Show Details |

## Search Teacher by HireDate Web Page

The screenshot shows a web browser window with the URL `localhost:5254/TeacherPage/List?SearchKey=&StartDate=2024-11-01&EndDate=2024-11-23`. The page title is "List of Teachers". At the top, there are search filters: "Search by Name:" with an input field containing "Paul", "Start Hire Date:" set to "2024-11-01", and "End Hire Date:" set to "2024-11-23". A "Search" button is to the right. Below the filters is a table with columns "ID", "Name", and "Action". The table contains 10 rows of teacher data, each with a "Show Details" link in the "Action" column.

| ID | Name            | Action       |
|----|-----------------|--------------|
| 13 | Paul Hilson     | Show Details |
| 17 | Micheal Jackson | Show Details |
| 18 | Amanda Brown    | Show Details |
| 19 | Jack Ndu        | Show Details |
| 20 | Icey Prince     | Show Details |
| 21 | Joe Duke        | Show Details |
| 22 | Jude Mba        | Show Details |
| 24 | James Ola       | Show Details |
| 27 | Jude Okon       | Show Details |
| 28 | Silas Eje       | Show Details |

## Search Teacher by Name Web Page

The screenshot shows a web browser window with the URL `localhost:5254/TeacherPage/List?SearchKey=Jude&StartDate=&EndDate=`. The page title is "List of Teachers". At the top, there are search filters: "Search by Name:" with an input field containing "Jude", "Start Hire Date:" set to "yyyy-mm-dd", and "End Hire Date:" set to "yyyy-mm-dd". A "Search" button is to the right. Below the filters is a table with columns "ID", "Name", and "Action". The table contains 2 rows of teacher data, each with a "Show Details" link in the "Action" column.

| ID | Name      | Action       |
|----|-----------|--------------|
| 22 | Jude Mba  | Show Details |
| 27 | Jude Okon | Show Details |

# Student API

## Add Student Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/StudentAPI/AddStudent \
-H "Content-Type: application/json" \
-d '{
  "StudentFname": "Folake",
  "StudentLname": "Bamidele",
  "StudentNumber": "N1234",
  "EnrolDate": "2023-09-01"
}'
Student added successfully%
(base) Genevieve@MacBook-Pro week3 %
```

## Delete Student Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/StudentAPI/DeleteStudent/38 \
-H "Content-Type: application/json"
{"success":true,"message":"Student deleted successfully."}%
(base) Genevieve@MacBook-Pro week3 %
```

## Update Student Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X PUT http://localhost:5254/api/StudentAPI/UpdateStudent \
-H "Content-Type: application/json" \
-d '{
  "StudentId": 38,
  "StudentFname": "Folake",
  "StudentLname": "Dele",
  "StudentNumber": "N1234",
  "EnrolDate": "2023-09-01"
}'
Student updated successfully%
(base) Genevieve@MacBook-Pro week3 %
```

## Student Input Field Error Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/StudentAPI/AddStudent \
-H "Content-Type: application/json" \
-d '{
  "StudentFname": "",
  "StudentLname": "",
  "StudentNumber": "N1244",
  "EnrolDate": "2023-09-01"
}'
{"success":false,"errors":["First name is required.", "Last name is required."]}%
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/StudentAPI/AddStudent \
-H "Content-Type: application/json" \
-d '{
  "StudentFname": "Slone",
  "StudentLname": "Grey",
  "StudentNumber": "N1",
  "EnrolDate": "2023-09-01"
}'
{"success":false,"errors":["Student number must start with 'N' followed by 4 digits."]}%
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/StudentAPI/AddStudent \
-H "Content-Type: application/json" \
-d '{
  "StudentFname": "Slone",
  "StudentLname": "Grey",
  "StudentNumber": "N1243",
  "EnrolDate": "2025-09-01"
}'
{"success":false,"errors":["Enrollment date cannot be in the future."]}%
(base) Genevieve@MacBook-Pro week3 %
```

## List Student Web Page

| ID | Name              | Student Number | Enrollment Date | Actions  |
|----|-------------------|----------------|-----------------|--|
| 1  | Sarah Valdez      | N1678          | 18-06-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 2  | Jennifer Faulkner | N1679          | 02-08-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 3  | Austin Simon      | N1682          | 14-06-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 4  | Mario English     | N1686          | 03-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 5  | Elizabeth Murray  | N1690          | 12-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 6  | Kevin Williams    | N1691          | 04-08-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 7  | Jason Freeman     | N1694          | 16-08-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 8  | Nicole Armstrong  | N1698          | 10-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 9  | Colleen Riley     | N1702          | 15-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 10 | Julie Salazar     | N1705          | 10-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 11 | Dr. Bridges       | N1709          | 22-08-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |

## Add Student Web Page

localhost:5254/StudentPage/Add

SchoolDatabaseCTwo Home Privacy Teacher Student Course

[Back To Students](#)

## Add New Student

First Name  
Jasmine

Last Name  
Teo

Student Number  
N0191

Enrollment Date  
2024-11-22

Courses:

- Project Management
- Web Programming
- Digital Design
- Database Development
- Security & Quality Assurance
- Web Application Development 2
- XML and Web Services
- Mobile Development

[Add Student](#)

## Add Student Success Web Page

localhost:5254/StudentPage/List

SchoolDatabaseCTwo Home Privacy Teacher Student Course

Student added successfully!

## List of Students

[Add New Student](#)

| ID | Name              | Student Number | Enrollment Date | Actions  |
|----|-------------------|----------------|-----------------|--|
| 1  | Sarah Valdez      | N1678          | 18-06-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 2  | Jennifer Faulkner | N1679          | 02-08-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 3  | Austin Simon      | N1682          | 14-06-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 4  | Mario English     | N1686          | 03-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 5  | Elizabeth Murray  | N1690          | 12-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 6  | Kevin Williams    | N1691          | 04-08-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 7  | Jason Freeman     | N1694          | 16-08-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 8  | Nicole Armstrong  | N1698          | 10-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 9  | Colleen Riley     | N1702          | 15-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 10 | Julie Salazar     | N1705          | 10-07-2018      | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |

## View Student Web Page

SchoolDatabaseCTwo Home Privacy Teacher Student Course

[Back to Student List](#)

## Student Information

|                 |             |
|-----------------|-------------|
| ID              | 39          |
| Full Name       | Jasmine Teo |
| Student Number  | N0191       |
| Enrollment Date | 22-11-2024  |

## Courses Enrolled

| Course Code       | Course Name | Actions |
|-------------------|-------------|---------|
| No courses found. |             |         |

[Update Student](#) [Delete Student](#)

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## Confirm Delete Student Web Page

SchoolDatabaseCTwo Home Privacy Teacher Student Course

[Back To Students](#)

### Delete Student

Are you sure you want to delete the following student?

|                 |             |
|-----------------|-------------|
| ID              | 39          |
| Name            | Jasmine Teo |
| Student Number  | N0191       |
| Enrollment Date | 22-11-2024  |

[Delete](#) [Cancel](#)

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## Delete Student Success Web Page

The screenshot shows a web browser window with the URL `localhost:5254/StudentPage>List`. The page displays a list of students with columns for ID, Name, Student Number, Enrollment Date, and Actions (View, Update, Delete). A green success message at the top states "Student deleted successfully!". A blue button labeled "Add New Student" is visible.

| ID | Name              | Student Number | Enrollment Date | Actions   |
|----|-------------------|----------------|-----------------|---|
| 1  | Sarah Valdez      | N1678          | 18-06-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 2  | Jennifer Faulkner | N1679          | 02-08-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 3  | Austin Simon      | N1682          | 14-06-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 4  | Mario English     | N1686          | 03-07-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 5  | Elizabeth Murray  | N1690          | 12-07-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 6  | Kevin Williams    | N1691          | 04-08-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 7  | Jason Freeman     | N1694          | 16-08-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 8  | Nicole Armstrong  | N1698          | 10-07-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |
| 9  | Colleen Riley     | N1702          | 15-07-2018      | <button>View</button> <button>Update</button> <button>Delete</button> |

## Delete Student and Course Not Found error

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/CourseAPI/DeleteCourse/17 \
-H "Content-Type: application/json"
{"success":false,"message":"Course not found."}%
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/StudentAPI/DeleteStudent/38 \
-H "Content-Type: application/json"
{"success":false,"message":"Student not found."}%
(base) Genevieve@MacBook-Pro week3 %
```

# Course API

## Add Course Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/CourseAPI/AddCourse \
-H "Content-Type: application/json" \
-d '{
  "CourseCode": "http1001",
  "CourseName": "Introduction to Programming",
  "StartDate": "2024-01-01",
  "FinishDate": "2024-06-01",
  "TeacherId": 3
}'
Course added successfully%
(base) Genevieve@MacBook-Pro week3 %
```

## Delete Course Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/CourseAPI/DeleteCourse/17 \
-H "Content-Type: application/json"
{"success":true,"message":"Course deleted successfully."}%
(base) Genevieve@MacBook-Pro week3 %
```

## Update Course Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X PUT http://localhost:5254/api/CourseAPI/UpdateCourse \
-H "Content-Type: application/json" \
-d '{
  "CourseId": 17,
  "CourseCode": "http1001",
  "CourseName": "Introduction to Programming",
  "StartDate": "2024-01-01",
  "FinishDate": "2024-06-01",
  "TeacherId": 6
}'
Course updated successfully%
(base) Genevieve@MacBook-Pro week3 %
```

## Course Input Field Error Curl

```
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/CourseAPI/AddCourse \
-H "Content-Type: application/json" \
-d '{
    "CourseCode": "",
    "CourseName": "",
    "StartDate": "2024-01-01",
    "FinishDate": "2024-06-01",
    "TeacherId": 3
}'
{"success":false,"errors":["Course code is required.", "Course name is required."]}%
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/CourseAPI/AddCourse \
-H "Content-Type: application/json" \
-d '{
    "CourseCode": "http5101",
    "CourseName": "TypeScript Language",
    "StartDate": "2024-01-01",
    "FinishDate": "2024-06-01",
    "TeacherId": 3
}'
{"success":false,"message":"Course code must be unique."}%
(base) Genevieve@MacBook-Pro week3 % curl -X POST http://localhost:5254/api/CourseAPI/AddCourse \
-H "Content-Type: application/json" \
-d '{
    "CourseCode": "tys5102",
    "CourseName": "TypeScript Language",
    "StartDate": "",
    "FinishDate": "",
    "TeacherId": 3
}'
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"course":[{"The course field is required."}, {"$StartDate": ["The JSON value could not be converted to System.DateTime. Path: $.StartDate | LineNumber: 3 | BytePositionInLine: 17."]}], "traceId":"00-b58f725984d551a2e6b88b91935fbe6a-7c949ed0ee3e31f8-00"}}%
```

## List Course Web Page

| ID | Course Code | Course Name                   | Start Date | Finish Date | Teacher ID | Actions   |
|----|-------------|-------------------------------|------------|-------------|------------|---|
| 1  | http5101    | Web Application Development   | 04-09-2018 | 14-12-2018  | 1          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 2  | http5102    | Project Management            | 04-09-2018 | 14-12-2018  | 2          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 3  | http5103    | Web Programming               | 04-09-2018 | 14-12-2018  | 5          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 4  | http5104    | Digital Design                | 04-09-2018 | 14-12-2018  | 7          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 5  | http5105    | Database Development          | 04-09-2018 | 14-12-2018  | 8          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 6  | http5201    | Security & Quality Assurance  | 08-01-2019 | 27-04-2019  | 2          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 7  | http5202    | Web Application Development 2 | 08-01-2019 | 27-04-2019  | 3          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 8  | http5203    | XML and Web Services          | 08-01-2019 | 27-04-2019  | 4          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 9  | http5204    | Mobile Development            | 08-01-2019 | 27-04-2019  | 5          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 10 | http5205    | Career Connections            | 08-01-2019 | 27-04-2019  | 6          | <button>View</button> <button>Update</button> <button>Delete</button> |
| 11 | http5206    | Web Information Architecture  | 08-01-2019 | 27-04-2019  | 8          | <button>View</button> <button>Update</button> <button>Delete</button> |

## Add Course Web Page

localhost:5254/CoursePage/Add

SchoolDatabaseCTwo Home Privacy Teacher Student Course

[Back To Courses](#)

### Add New Course

Course Code  
http2121

Course Name  
User design

Start Date  
2024-11-01

Finish Date  
2024-11-30

Teacher ID  
3

[Add Course](#)

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## Add Course Success Web Page

localhost:5254/CoursePage/List

SchoolDatabaseCTwo Home Privacy Teacher Student Course

Course added successfully!

### List of Courses

[Add New Course](#)

| ID | Course Code | Course Name                   | Start Date | Finish Date | Teacher ID | Actions  |
|----|-------------|-------------------------------|------------|-------------|------------|--|
| 1  | http5101    | Web Application Development   | 04-09-2018 | 14-12-2018  | 1          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 2  | http5102    | Project Management            | 04-09-2018 | 14-12-2018  | 2          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 3  | http5103    | Web Programming               | 04-09-2018 | 14-12-2018  | 5          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 4  | http5104    | Digital Design                | 04-09-2018 | 14-12-2018  | 7          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 5  | http5105    | Database Development          | 04-09-2018 | 14-12-2018  | 8          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 6  | http5201    | Security & Quality Assurance  | 08-01-2019 | 27-04-2019  | 2          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 7  | http5202    | Web Application Development 2 | 08-01-2019 | 27-04-2019  | 3          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 8  | http5203    | XML and Web Services          | 08-01-2019 | 27-04-2019  | 4          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 9  | http5204    | Mobile Development            | 08-01-2019 | 27-04-2019  | 5          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 10 | http5205    | Career Connections            | 08-01-2019 | 27-04-2019  | 6          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |

## View Course Web Page

The screenshot shows a web browser window with the URL [localhost:5254/CoursePage>Show/18](http://localhost:5254/CoursePage>Show/18). The page title is "Course Information". The course details are listed in a table:

|             |                   |
|-------------|-------------------|
| Course ID   | 18                |
| Course Code | http2121          |
| Course Name | User design       |
| Start Date  | 01-11-2024        |
| Finish Date | 30-11-2024        |
| Teacher ID  | <a href="#">3</a> |

Below the table, there is a section titled "Enrolled Students" with a table:

| Student Name       | Student Number | Actions |
|--------------------|----------------|---------|
| No students found. |                |         |

At the bottom of the page are two buttons: "Update Course" and "Delete Course".

## Confirm Delete Course Web Page

The screenshot shows a web browser window with the URL [localhost:5254/CoursePage>Delete/18](http://localhost:5254/CoursePage>Delete/18). The page title is "Delete Course". A confirmation message asks, "Are you sure you want to delete the following course?". Below the message is a table of course details:

|             |             |
|-------------|-------------|
| ID          | 18          |
| Course Code | http2121    |
| Course Name | User design |
| Start Date  | 01-11-2024  |
| Finish Date | 30-11-2024  |

At the bottom of the page are two buttons: "Delete" and "Cancel".

# Delete Course Success Web Page

The screenshot shows a web browser window with the URL `localhost:5254/CoursePage>List`. The page title is "List of Courses". A green success message box at the top contains the text "Course deleted successfully!". Below the message, there is a table with 10 rows of course data. The table has columns for ID, Course Code, Course Name, Start Date, Finish Date, Teacher ID, and Actions. Each row contains a set of three buttons: View (blue), Update (orange), and Delete (red). The courses listed are:

| ID | Course Code | Course Name                   | Start Date | Finish Date | Teacher ID | Actions  |
|----|-------------|-------------------------------|------------|-------------|------------|--|
| 1  | http5101    | Web Application Development   | 04-09-2018 | 14-12-2018  | 1          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 2  | http5102    | Project Management            | 04-09-2018 | 14-12-2018  | 2          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 3  | http5103    | Web Programming               | 04-09-2018 | 14-12-2018  | 5          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 4  | http5104    | Digital Design                | 04-09-2018 | 14-12-2018  | 7          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 5  | http5105    | Database Development          | 04-09-2018 | 14-12-2018  | 8          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 6  | http5201    | Security & Quality Assurance  | 08-01-2019 | 27-04-2019  | 2          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 7  | http5202    | Web Application Development 2 | 08-01-2019 | 27-04-2019  | 3          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 8  | http5203    | XML and Web Services          | 08-01-2019 | 27-04-2019  | 4          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 9  | http5204    | Mobile Development            | 08-01-2019 | 27-04-2019  | 5          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |
| 10 | http5205    | Career Connections            | 08-01-2019 | 27-04-2019  | 6          | <a href="#">View</a> <a href="#">Update</a> <a href="#">Delete</a> |