Genevieve Awa - N01613636

Cumulative 3 HTTP 5125 Back-End API / Webpage Test

Teacher API

An API which Updates a Teacher

```
(base) Genevieve@MacBook-Pro week3 % curl -X PUT http://localhost:5254/api/TeacherAPI/32 \
-H "Content-Type: application/json" \
-d '{
    "TeacherFname": "Salo",
    "TeacherLname": "Brice",
    "EmployeeNumber": "T638",
    "HireDate": "2020-01-01",
    "Salary": 210.0,
    "TeacherWorkPhone": "555-123-4567"
}'

{"success":true,"message":"Teacher updated successfully."}%
```

Error Handling on Update when trying to update a teacher that does not exist

```
(base) Genevieve@MacBook-Pro week3 % curl -X PUT http://localhost:5254/api/TeacherAPI/9999 \
-H "Content-Type: application/json" \
-d '{
    "TeacherFname": "Nonexistent",
    "TeacherLname": "Teacher",
    "EmployeeNumber": "T123",
    "HireDate": "2020-01-01",
    "Salary": 50.0,
    "TeacherWorkPhone": "555-123-4567"
}'

{"success":false,"message":"Teacher not found."}%
```

Error Handling on Update when the Teacher Name is empty

```
(base) Genevieve@MacBook-Pro week3 % curl -X PUT http://localhost:5254/api/TeacherAPI/1 \
-H "Content-Type: application/json" \
-d '{
    "TeacherFname": "",
    "TeacherLname": "",
    "EmployeeNumber": "T123",
    "HireDate": "2020-01-01",
    "Salary": 50.0,
    "TeacherWorkPhone": "555-123-4567"
}'

{"success":false,"message":"Invalid input data.","errors":["Teacher first name is required.","Teacher last name is
required."]}%
```

Error Handling on Update when the Teacher Hire Date is in the future

```
(base) Genevieve@MacBook-Pro week3 % curl -X PUT http://localhost:5254/api/TeacherAPI/1 \
-H "Content-Type: application/json" \
-d '{
    "TeacherFname": "Future",
    "TeacherLname": "Hire",
    "EmployeeNumber": "T123",
    "HireDate": "2025-01-01",
    "Salary": 50.0,
    "TeacherWorkPhone": "555-123-4567"
}'

{"success":false,"message":"Invalid input data.","errors":["Hire date cannot be in the future."]}%
```

Error Handling on Update when the Salary is less than 0

```
(base) Genevieve@MacBook-Pro week3 % curl -X PUT http://localhost:5254/api/TeacherAPI/1 \
-H "Content-Type: application/json" \
-d '{
    "TeacherFname": "Negative",
    "TeacherLname": "Salary",
    "EmployeeNumber": "T123",
    "HireDate": "2020-01-01",
    "Salary": -10.0,
    "TeacherWorkPhone": "555-123-4567"
}'

{"success":false,"message":"Invalid input data.","errors":["Salary must be a positive number."]}%
```

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 %
```

Update Teacher Web Page

localhost:5254/TeacherPage/Show/32

Gmail | YouTube | Maps | Sign in - Google A... | Online image resizer | mural drawing | aws cli cheatsheet... | create-vpc — AWS... | All Bookmarks

SchoolDatabaseCTwo   Home   Privacy   Teacher   Student   Course

Back To Teachers

Teacher Information

ID: 32

Employee Number: T638

Salary: 210.00

Full Name: Salo Brice

Hire Date: 1/1/2020 12:00:00AM

Work Phone: 555-123-4567

Courses Taught

No courses assigned to this teacher.

Update Teacher   Update Teacher with AJAX

Delete Teacher   Delete Teacher with AJAX

← → ↻ ⊙ localhost:5254/TeacherPage/Update/32 🔍 ☆ | Finish update ⋮

▦ 📧 Gmail ▶ YouTube 🟠 Maps Ⓖ Sign in - Google A... 🔧 Online image resizer Ⓜ mural drawing ⬡ aws cli cheatsheet... 📦 create-vpc — AWS... » 📁 All Bookmark

SchoolDatabaseCTwo   Home Privacy Teacher Student Course

Back To Teacher details

Update Teacher

First Name:

Salo Jane

Last Name:

Brice

Employee Number:

T638

Hire Date:

2020-01-01

Salary:

350.00

Work Phone:

555-123-4567

[Update Teacher]

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← → ↻ ⊙ localhost:5254/TeacherPage/Show/32 🔍 ☆ | Finish update ⋮

▦ 📧 Gmail ▶ YouTube 🟠 Maps Ⓖ Sign in - Google A... 🔧 Online image resizer Ⓜ mural drawing ⬡ aws cli cheatsheet... 📦 create-vpc — AWS... » 📁 All Bookmarks

SchoolDatabaseCTwo   Home Privacy Teacher Student Course

Teacher updated successfully!

[Back To Teachers]

Teacher Information

ID: 32

Employee Number: T638

Salary: 350.00

Full Name: Salo Jane Brice

Hire Date: 1/1/2020 12:00:00 AM

Work Phone: 555-123-4567

Courses Taught

No courses assigned to this teacher.

[Update Teacher]   [Update Teacher with AJAX]
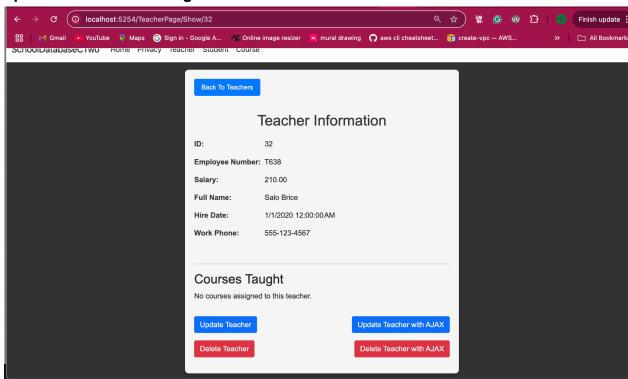
Course API

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 %
```

localhost:5254/CoursePage/Show/15

SchoolDatabaseCTwo   Home   Privacy   Teacher   Student   Course

Back to Course List

Course Information

Course ID	15
Course Code	http6548
Course Name	Drawing
Start Date	01-01-2024
Finish Date	31-12-2024
Teacher ID	[3](#)

Enrolled Students

Student Name	Student Number	Actions
No students found.		

Update Course   Delete Course

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← → C localhost:5254/CoursePage/Update/15 🔍 ☆ ⋮ Finish update ⋮

⊞ Gmail YouTube Maps Sign in - Google A... Online image resizer mural drawing aws cli cheatsheet... create-vpc — AWS... » All Bookmarks

SchoolDatabaseCTwo Home Privacy Teacher Student Course

Back To Courses

Update Course

Course Code

http6548

Course Name

Drawing

Start Date

2024-01-01

Finish Date

2024-12-31

Teacher ID

2

Update Course

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← → C localhost:5254/CoursePage/List 🔍 ☆ ⋮ Finish update ⋮

⊞ Gmail YouTube Maps Sign in - Google A... Online image resizer mural drawing aws cli cheatsheet... create-vpc — AWS... » All Bookmarks

SchoolDatabaseCTwo Home Privacy Teacher Student Course

Course updated successfully!

List of Courses

Add New Course

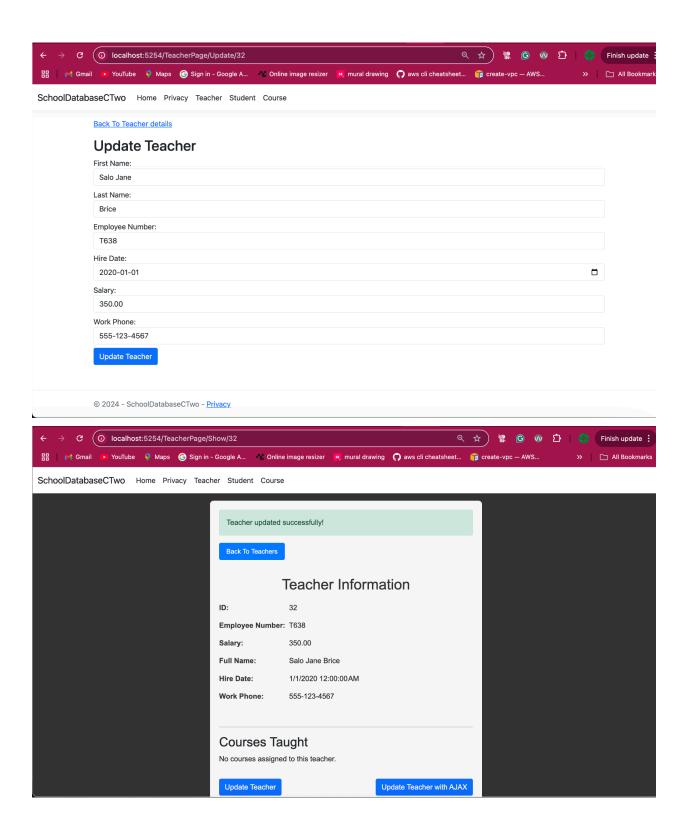| ID	Course Code	Course Name	Start Date	Finish Date	Teacher ID	Actions
1	http5101	Web Application Development	04-09-2018	14-12-2018	1	View Update Delete
2	http5102	Project Management	04-09-2018	14-12-2018	2	View Update Delete
3	http5103	Web Programming	04-09-2018	14-12-2018	5	View Update Delete
4	http5104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

Student API

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 %
```


SchoolDatabaseCTwo   Home   Privacy   Teacher   Student   Course

Back to Student List

Student Information

ID	41
Full Name	Slone Grey
Student Number	N1243
Enrollment Date	01-09-2025

Courses Enrolled

Course Code	Course Name	Actions
No courses found.		

Update Student   Delete Student

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Back To Students

Update Student

First Name

Slone Mark

Last Name

Grey

Student Number

N1243

Enrollment Date

2024-12-05

Update Student

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SchoolDatabaseCTwo   Home   Privacy   Teacher   Student   Course

Student updated successfully!

List of Students

Add New Student

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