TeacherAPIController

1. **AddTeacher**

```
C:\Users\Dhruv>curl -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&EmployeeNumb
er=t672&HireDate=01-12-2023&Salary=50.55"
New Teacher Added!
C:\Users\Dhruv>
```

   a. **Missing First Name**

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?LastName=Yadav&EmployeeNumber=t672&HireD
ate=01-12-2023&Salary=50.55"
HTTP/1.1 400 Bad Request
Content-Type: text/plain; charset=utf-8
Date: Mon, 07 Apr 2025 23:48:36 GMT
Server: Kestrel
Transfer-Encoding: chunked

Missing First Name!
```

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=&LastName=Yadav&EmployeeNumber
=T104&HireDate=04-20-2025&Salary=35.5"
HTTP/1.1 400 Bad Request
Content-Type: text/plain; charset=utf-8
Date: Tue, 08 Apr 2025 00:02:47 GMT
Server: Kestrel
Transfer-Encoding: chunked

Missing First Name!
```

   b. **Missing Last Name**

```
Employee Number must start with ...
C:\Users\Dhruv>curl -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&EmployeeNumber=T736&HireDat
e=01-12-2023&Salary=50.55"
New Teacher Added!
C:\Users\Dhruv>
```

   c. **Missing Employee Number**

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&HireDate=
01-12-2023&Salary=50.55"
HTTP/1.1 400 Bad Request
Content-Type: text/plain; charset=utf-8
Date: Mon, 07 Apr 2025 23:50:42 GMT
Server: Kestrel
Transfer-Encoding: chunked

Missing Employee Number!
```

   d. **Missing Hire Date**

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=dhruv&LastName=Yadav&EmployeeN
umber=T104&Salary=35.5"
HTTP/1.1 201 Created
Content-Type: text/plain; charset=utf-8
Date: Tue, 08 Apr 2025 00:04:38 GMT
Server: Kestrel
Transfer-Encoding: chunked

New Teacher Added!
```

   e. **Missing Salary**

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&EmployeeN
umber=T110&HireDate=04-20-2024"
HTTP/1.1 201 Created
Content-Type: text/plain; charset=utf-8
Date: Tue, 08 Apr 2025 00:05:56 GMT
Server: Kestrel
Transfer-Encoding: chunked
```

   f. **Incorrect Employee Number Format**

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&Employee
umber=999&HireDate=01-12-2023&Salary=50.55"
HTTP/1.1 400 Bad Request
Content-Type: text/plain; charset=utf-8
Date: Mon, 07 Apr 2025 23:54:52 GMT
Server: Kestrel
Transfer-Encoding: chunked

Employee Number must start with 'T'!
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&Employee
umber=t999&HireDate=01-12-2023&Salary=50.55"
HTTP/1.1 400 Bad Request
Content-Type: text/plain; charset=utf-8
Date: Mon, 07 Apr 2025 23:55:00 GMT
Server: Kestrel
Transfer-Encoding: chunked

Employee Number must start with 'T'!
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&Employee
umber=Tabc&HireDate=01-12-2023&Salary=50.55"
HTTP/1.1 400 Bad Request
Content-Type: text/plain; charset=utf-8
Date: Mon, 07 Apr 2025 23:55:05 GMT
Server: Kestrel
Transfer-Encoding: chunked

Employee Number must be followed by numeric digits only.
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&Employee
umber=T999&HireDate=01-12-2023&Salary=50.55"
HTTP/1.1 201 Created
Content-Type: text/plain; charset=utf-8
Date: Mon, 07 Apr 2025 23:55:14 GMT
Server: Kestrel
Transfer-Encoding: chunked

New Teacher Added!
```

g. **Incorrect Salary DataType (Alpha-Numeric, string)**

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&EmployeeN
umber=T100&HireDate=01-12-2023&Salary=abc"
HTTP/1.1 400 Bad Request
Content-Type: application/problem+json; charset=utf-8
Date: Mon, 07 Apr 2025 23:56:44 GMT
Server: Kestrel
Transfer-Encoding: chunked

{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":
400,"errors":{"Salary":["The value 'abc' is not valid."]},"traceId":"00-70a4204398e9e1c2029206a1eadf4175-3941c3828942f1f
3-00"}
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&EmployeeN
umber=T100&HireDate=01-12-2023&Salary=3a"
HTTP/1.1 400 Bad Request
Content-Type: application/problem+json; charset=utf-8
Date: Mon, 07 Apr 2025 23:57:36 GMT
Server: Kestrel
Transfer-Encoding: chunked

{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":
400,"errors":{"Salary":["The value '3a' is not valid."]},"traceId":"00-597d8c7a89c2000b743cf431c5bb7962-473dea1cfd9b41d9
-00"}
```

h. **Future Hire Date**

```
C:\Users\Dhruv>curl -i -X "POST" "https://localhost:7226/api/Teacher/AddTeacher?FirstName=Dhruv&LastName=Yadav&EmployeeN
umber=T104&HireDate=04-20-2025&Salary=35.5"
HTTP/1.1 400 Bad Request
Content-Type: text/plain; charset=utf-8
Date: Tue, 08 Apr 2025 00:01:59 GMT
Server: Kestrel
Transfer-Encoding: chunked

Hire Date cannot be in future!
```

2. **DeleteTeacher**

```
C:\Users\Dhruv>curl -i -X "DELETE" "https://localhost:7226/api/Teacher/DeleteTeacher?Id=25"
HTTP/1.1 200 OK
Content-Type: text/plain; charset=utf-8
Date: Tue, 08 Apr 2025 00:07:47 GMT
Server: Kestrel
Transfer-Encoding: chunked
```

a. **Teacher Id does not exist**

Teacher with ID 25 has been deleted.
C:\Users\Dhruv>curl -i -X "DELETE" "https://localhost:7226/api/Teacher/DeleteTeacher?Id=25"
HTTP/1.1 404 Not Found
Content-Type: text/plain; charset=utf-8
Date: Tue, 08 Apr 2025 00:07:52 GMT
Server: Kestrel
Transfer-Encoding: chunked

No teacher found with ID 25.
C:\Users\Dhruv>

b. **ID Datatype**

C:\Users\Dhruv>curl -i -X "DELETE" "https://localhost:7226/api/Teacher/DeleteTeacher?Id=abc"
HTTP/1.1 400 Bad Request
Content-Type: application/problem+json; charset=utf-8
Date: Tue, 08 Apr 2025 00:09:03 GMT
Server: Kestrel
Transfer-Encoding: chunked

{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"Id":["The value 'abc' is not valid."]},"traceId":"00-9abe460a2a633a63b94b19333121ef0e-58f209123baaba8d-00"}
C:\Users\Dhruv>curl -i -X "DELETE" "https://localhost:7226/api/Teacher/DeleteTeacher?Id=1.1"
HTTP/1.1 400 Bad Request
Content-Type: application/problem+json; charset=utf-8
Date: Tue, 08 Apr 2025 00:09:11 GMT
Server: Kestrel
Transfer-Encoding: chunked

{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"Id":["The value '1.1' is not valid."]},"traceId":"00-8916a2f333f9d35601f9d7157bd69cff-f6caece9e9c0d404-00"}
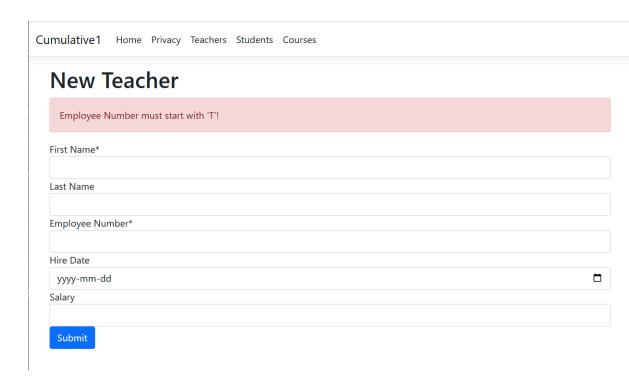C:\Users\Dhruv>curl -i -X "DELETE" "https://localhost:7226/api/Teacher/DeleteTeacher?Id=2c"
HTTP/1.1 400 Bad Request
Content-Type: application/problem+json; charset=utf-8
Date: Tue, 08 Apr 2025 00:09:20 GMT
Server: Kestrel
Transfer-Encoding: chunked

{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"Id":["The value '2c' is not valid."]},"traceId":"00-f4576ee607cf85471cb241e0c5866c4e-076f50d6b43bd200-00"}

c. **Missing Id**

C:\Users\Dhruv>curl -i -X "DELETE" "https://localhost:7226/api/Teacher/DeleteTeacher"
HTTP/1.1 404 Not Found
Content-Type: text/plain; charset=utf-8
Date: Tue, 08 Apr 2025 00:10:09 GMT
Server: Kestrel
Transfer-Encoding: chunked

No teacher found with ID 0.
C:\Users\Dhruv>

d. **Empty Id**

C:\Users\Dhruv>curl -i -X "DELETE" "https://localhost:7226/api/Teacher/DeleteTeacher?Id="
HTTP/1.1 400 Bad Request
Content-Type: application/problem+json; charset=utf-8
Date: Tue, 08 Apr 2025 00:10:31 GMT
Server: Kestrel
Transfer-Encoding: chunked

{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.1","title":"One or more validation errors occurred.","status":400,"errors":{"Id":["The value '' is invalid."]},"traceId":"00-34d8ef0340a40209de2dc145574a08fc-b923277e044e3bb2-00"}
C:\Users\Dhruv>

3. **New.cshtml**

New Teacher

First Name*

Dhruv

Last Name

Yadav

Employee Number*

T202

Hire Date

2025-01-01

Salary

55.55

Submit

New Teacher

Teacher added successfully!

First Name*

Last Name

Employee Number*

Hire Date

yyyy-mm-dd

Salary

Submit

a. **Incorrect Employee Number**

Cumulative1   Home   Privacy   Teachers   Students   Courses

New Teacher

Employee Number must start with 'T'!

First Name*

Last Name

Employee Number*

Hire Date

yyyy-mm-dd

Salary

Submit

b. Missing Fields (Client Side Form validation/required fields)

Cumulative1   Home   Privacy   Teachers   Students   Courses

New Teacher

Employee Number must start with 'T'!
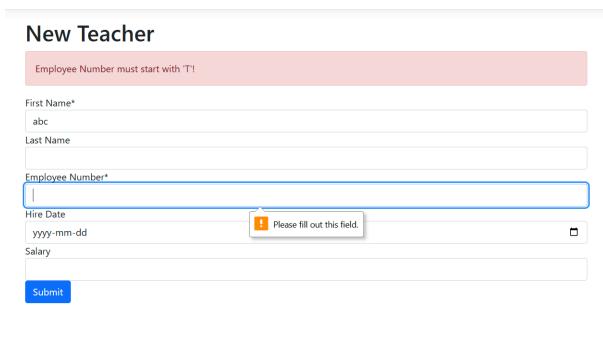
First Name*

Last Name

⚠ Please fill out this field.
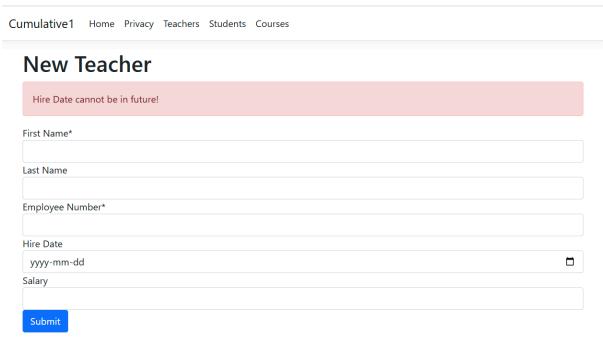
Employee Number*

Hire Date

yyyy-mm-dd

Salary

Submit

New Teacher

Employee Number must start with 'T'!

First Name*

abc

Last Name

Employee Number*

Hire Date

yyyy-mm-dd

Please fill out this field.

Salary

Submit

c. Hire Date in future

New Teacher

Hire Date cannot be in future!

First Name*

Last Name

Employee Number*

Hire Date

yyyy-mm-dd

Salary

Submit

4. ConfirmDelete.cshtml

Delete Teacher

Teacher ID*

24

Submit

Delete Teacher

Teacher with Id 24 Deleted!

Teacher ID*

Submit

a. Id not found

Delete Teacher

No teacher found with ID 24.

Teacher ID*

Submit