

I added update functionality to teachers, courses, and students. Simple enough.

Before updating a teacher

edity beauregard

Hired: 2016-8-5

Salary: 11.11

Employee Number:

[Edit This Teacher](#)

[Delete This Teacher](#)

[Return to Teachers list](#)

COURSE NAME: Web Application Development **COURSE CODE:** http5101 **START DATE:** 2018-09-04 **END DATE:** 2018-12-14

After editing a teacher

I have been Edited beauregard

Hired: 2016-8-5

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Employee Number:

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COURSE NAME: Web Application Development **COURSE CODE:** http5101 **START DATE:** 2018-09-04 **END DATE:** 2018-12-14

I really tried with the CURL request but I could not get the api to accept the json data. Anyway it does work.

```
* upload completely sent off: 128 bytes
< HTTP/1.1 400 Bad Request
< Content-Type: application/problem+json; charset=utf-8
< Date: Tue, 10 Dec 2024 23:12:20 GMT
< Server: Kestrel
< Transfer-Encoding: chunked
```

400 Bad Request

Now I want to do validation through the client side using javascript, and then submit the form to the page controller with AJAX. I removed the action from the teacher edit form to prevent the page from automatically submitting to the server. Next I set up my JS file for the teacher edit view. I then set up a form handle and retrieved the input values from the form to test that everything is connected. I logged the values in the console and prevent refresh with `preventdefault()`; everything was connected and we got our values in the console.

```

0 references
formhandle.addEventListener("submit", function (event) {

    var firstName = formhandle.firstname.value;
    var lastName = formhandle.lastname.value;
    var employeeNum = formhandle.employeeNumber.value;
    var hireDate = formhandle.hiredate.value;
    var salary = formhandle.salary.value;
    var phoneNumber = formhandle.phonenumber.value;

    console.log(firstName);
    console.log(lastName);
    console.log(employeeNum);
    console.log(hireDate);
    console.log(phoneNumber);

    event.preventDefault();
});

```

jerad
beauregard
t1234
2016-08-05 00:00:00
9054016060

Ok now I want to use ajax to send the form to the page controller before I deal with form validation. I want to make sure the form is working properly before worrying about validation.

I set up a js object to hold the teacher data, this will then be converted into a json string to send to the page controller. Tested in the console that the object is working properly.

```

x Failed to load resource: the server
Object i
  fName: "jerad"
  hired: "2016-08-05 00:00:00"
  lName: "beauregard"
  num: "t1234"
  phone: "9054016060"
  sal: "10.11"
  ► [[Prototype]]: Object

```

I have started by having the ajax request route to a new IActionResult UpdateAjax which takes a json body and binds it to a teacher object. It then returns json with a success message.

```

0 references
public IActionResult UpdateAjax([FromBody] Teacher teacher)
{
    return Json(new { success = true, message = "Teacher updated successfully!" });
}

```

```

success ▼ Object i
  message: "Teacher updated successfully!"
  success: true
  ► [[Prototype]]: Object

```

Okay that was tricky, I got it working though. What I did was use the DOM in the js file to get the values of the inputs from the form when submitted. I then stored the data in a json object. The json object was then sent to the UpdateTeacherAjax function in the TeacherPageController. There the json object was bound to a TeacherData object, which holds the form data as strings. Afterwards the TeacherData Object is parsed to a Teacher Object. The teacher object, which now also includes the id right from the edit view teacher model(its submitted along with the form) is sent to the updateTeacher API which sends the query to the database. The updateTeacher API was updated to accept just the teacher object as a parameter, as it no longer needs the id (the id is now included in the teacher data). It all works!

Also note: the redirection to the updated teacher show view is now handled in the ajax fetch request.

I added validation for if the teacher name is empty, it will trigger a message that will ask for the first name to be entered.

Please enter a first name

FIRST NAME:

LAST NAME:

```
var nameError = document.getElementById("nameError");
var errorCount = 0;

if (firstName === "") {
    nameError.style.display = "inline";
    errorCount++
}

// send using ajax

if (errorCount === 0) {
    fetch('/TeacherPage/UpdateAjax', {
```