

Testing for database connection

```
PS C:\Users\jerad> curl "http://localhost:5016/api/Teacher/ListTeacherNames"

StatusCode      : 200
StatusDescription : OK
Content         : ["Alexander Bennett","Caitlin Cummings","Linda Chan","Lauren Smith","Jessica Morris","Thomas Hawkins","Shannon Barton","Dana Ford","Cody Holland","John Taram"]
RawContent      : HTTP/1.1 200 OK
                  Transfer-Encoding: chunked
                  Content-Type: application/json; charset=utf-8
                  Date: Wed, 13 Nov 2024 19:28:12 GMT
                  Server: Kestrel

Forms           : {}
Headers         : [{"Transfer-Encoding", "chunked"}, {"Content-Type", "application/json; charset=utf-8"}, {"Date", "Wed, 13 Nov 2024 19:28:12 GMT"}, {"Server", "Kestrel"}]
Images          : {}
InputFields     : {}
Links           : {}
ParsedHtml      : mshtml.HTMLDocumentClass
RawContentLength : 159
```

It worked, and pulled the data by accessing the API

Added teacher class object,

Edited teacher api controller to include all parameters of teacher data and to output that data in a teacher object, which is added to the teacher list, which shows as follows when called

```
localhost:5016/api/Teacher/ListTeachers

[{"teacherId":1,"teacherFName":"Alexander","teacherLName":"Bennett","employeeNumber":"T378","hireDate":"2016-08-05T00:00:00","salary":55.30}, {"teacherId":2,"teacherFName":"Caitlin","teacherLName":"Cummings","employeeNumber":"T381","hireDate":"2014-06-10T00:00:00","salary":62.77}, {"teacherId":3,"teacherFName":"Linda","teacherLName":"Chan","employeeNumber":"T382","hireDate":"2015-08-22T00:00:00","salary":60.22}, {"teacherId":4,"teacherFName":"Lauren","teacherLName":"Smith","employeeNumber":"T385","hireDate":"2014-06-22T00:00:00","salary":74.20}, {"teacherId":5,"teacherFName":"Jessica","teacherLName":"Morris","employeeNumber":"T389","hireDate":"2012-06-04T00:00:00","salary":48.62}, {"teacherId":6,"teacherFName":"Thomas","teacherLName":"Hawkins","employeeNumber":"T393","hireDate":"2016-08-10T00:00:00","salary":54.45}, {"teacherId":7,"teacherFName":"Shannon","teacherLName":"Barton","employeeNumber":"T397","hireDate":"2013-08-04T00:00:00","salary":64.70}, {"teacherId":8,"teacherFName":"Dana","teacherLName":"Ford","employeeNumber":"T401","hireDate":"2014-06-26T00:00:00","salary":71.15}, {"teacherId":9,"teacherFName":"Cody","teacherLName":"Holland","employeeNumber":"T403","hireDate":"2016-06-13T00:00:00","salary":43.20}, {"teacherId":10,"teacherFName":"John","teacherLName":"Taram","employeeNumber":"T505","hireDate":"2015-10-23T00:00:00","salary":79.63}]
```

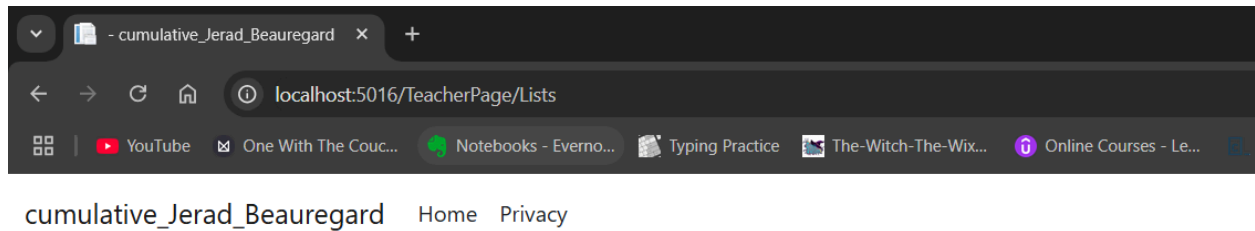
Created API to find a teacher by id

```
localhost:5016/api/Teacher/FindTeacher/1

{"teacherId":1,"teacherFName":"Alexander","teacherLName":"Bennett","employeeNumber":"T378","hireDate":"2016-08-05T00:00:00","salary":55.30}
```

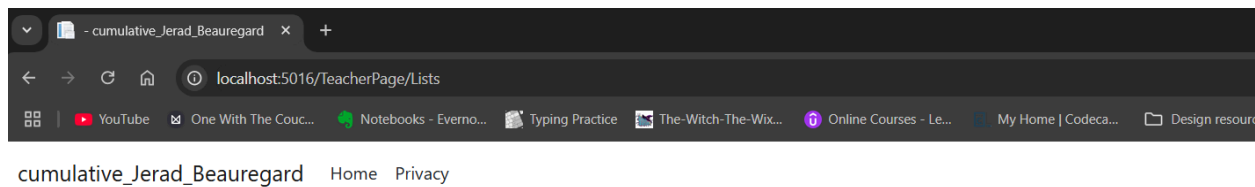
Test with id 1 works

Testing view set up for list page



I want to list the teachers in the database

Dummy information test



I want to list the teachers in the database

Jerad Beauregard
Christine Bittle

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```
0 references
public IActionResult Lists() {
    // dummy data to test view
    List<Teacher> Teachers = new List<Teacher>();

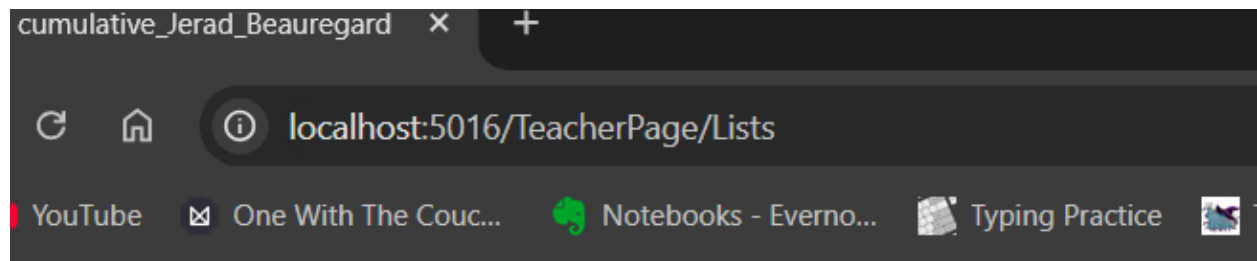
    Teacher Teacher1 = new Teacher();
    Teacher1.TeacherFName = "Jerad";
    Teacher1.TeacherLName = "Beauregard";

    Teacher Teacher2 = new Teacher();

    Teacher2.TeacherFName = "Christine";
    Teacher2.TeacherLName = "Bittle";

    Teachers.Add(Teacher1);
    Teachers.Add(Teacher2);
}
```

Teacher names are now listed to the web page

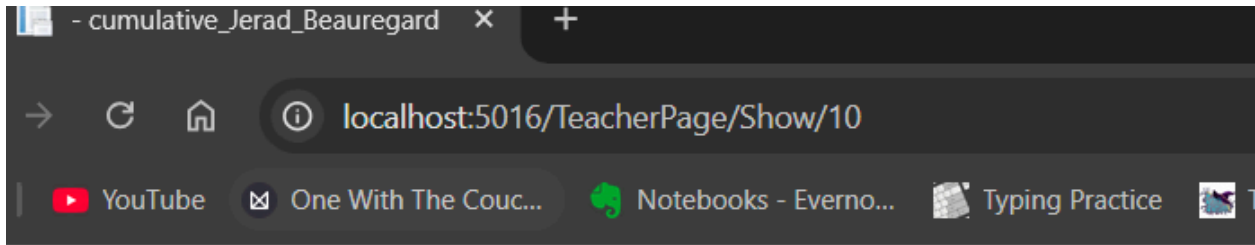


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I want to list the teachers i

Alexander Bennett
Caitlin Cummings
Linda Chan
Lauren Smith
Jessica Morris
Thomas Hawkins
Shannon Barton
Dana Ford
Cody Holland
John Taram

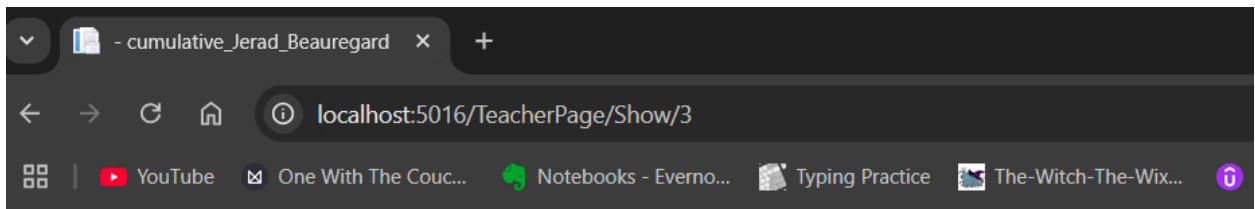
Teacher links now working, however there is no information being displayed yet



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Show page is displaying information properly now



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Linda Chan

Hired: 2015-8-22

Salary: 60.22

Employee Number: T382

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Testing student api controller

List students works

```
PS C:\Users\jerad> curl "http://localhost:5016/api/Student/ListStudents"

StatusCode      : 200
StatusDescription : OK
Content         : [{"studentId":1,"studentFName":"Sarah","studentLName":"Valdez","studentNumber":"N1678","enrolDate":
                  "2018-06-18"},{"studentId":2,"studentFName":"Jennifer","studentLName":"Faulkner","studentNumber":"N
                  16...
RawContent      : HTTP/1.1 200 OK
                  Transfer-Encoding: chunked
                  Content-Type: application/json; charset=utf-8
                  Date: Thu, 14 Nov 2024 19:26:19 GMT
                  Server: Kestrel

Forms           : {}
Headers         : [{"Transfer-Encoding", "chunked"}, [{"Content-Type", "application/json; charset=utf-8"}, [{"Date", "Thu, 14 Nov
                  2024 19:26:19 GMT"}, [{"Server", "Kestrel"}]
Images          : {}
InputFields     : {}
Links           : {}
ParsedHtml      : mshtml.HTMLDocumentClass
RawContentLength : 3543

PS C:\Users\jerad> |
```

localhost:5016/api/Student/List x +

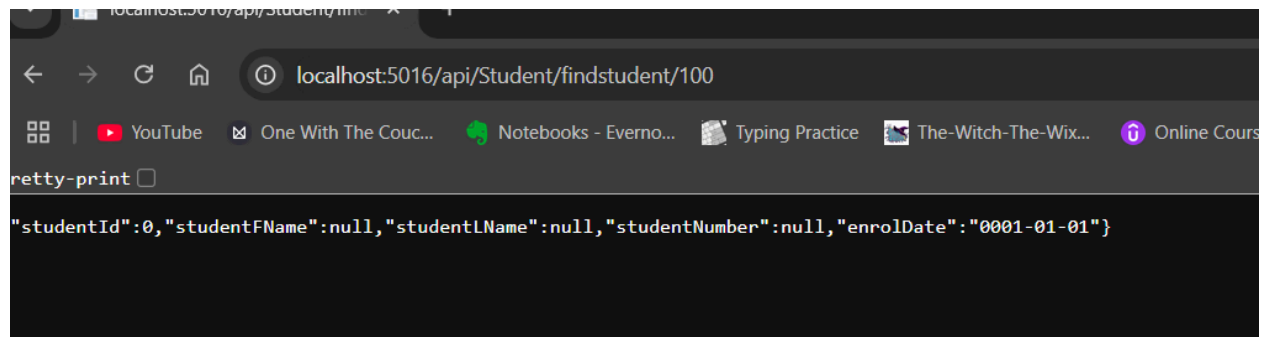
localhost:5016/api/Student/ListStudents

YouTube One With The Couc... Notebooks - Everno... Typing Practice The-Witch-The-Wix... Online Courses - Le...

Pretty-print

```
[{"studentId":1,"studentFName":"Sarah","studentLName":"Valdez","studentNumber":"N1678","enrolDate":"2018-06-18"},
{"studentId":2,"studentFName":"Jennifer","studentLName":"Faulkner","studentNumber":"N1679","enrolDate":"2018-08-02"},
{"studentId":3,"studentFName":"Austin","studentLName":"Simon","studentNumber":"N1682","enrolDate":"2018-06-14"},
{"studentId":4,"studentFName":"Mario","studentLName":"English","studentNumber":"N1686","enrolDate":"2018-07-03"},
{"studentId":5,"studentFName":"Elizabeth","studentLName":"Murray","studentNumber":"N1690","enrolDate":"2018-07-12"},
{"studentId":6,"studentFName":"Kevin","studentLName":"Williams","studentNumber":"N1691","enrolDate":"2018-08-04"},
{"studentId":7,"studentFName":"Jason","studentLName":"Freeman","studentNumber":"N1694","enrolDate":"2018-08-16"},
{"studentId":8,"studentFName":"Nicole","studentLName":"Armstrong","studentNumber":"N1698","enrolDate":"2018-07-10"},
{"studentId":9,"studentFName":"Colleen","studentLName":"Riley","studentNumber":"N1702","enrolDate":"2018-07-15"},
{"studentId":10,"studentFName":"Julie","studentLName":"Salazar","studentNumber":"N1705","enrolDate":"2018-07-10"},
{"studentId":11,"studentFName":"Dr.","studentLName":"Bridges","studentNumber":"N1709","enrolDate":"2018-08-22"},
{"studentId":12,"studentFName":"Vanessa","studentLName":"Cox","studentNumber":"N1712","enrolDate":"2018-08-17"},
{"studentId":13,"studentFName":"Denise","studentLName":"Jackson","studentNumber":"N1714","enrolDate":"2018-07-26"},
{"studentId":14,"studentFName":"Roy","studentLName":"Davidson","studentNumber":"N1715","enrolDate":"2018-08-11"},
{"studentId":15,"studentFName":"Ryan","studentLName":"Walters","studentNumber":"N1717","enrolDate":"2018-07-25"},
{"studentId":16,"studentFName":"Patricia","studentLName":"Sweeney","studentNumber":"N1719","enrolDate":"2018-08-08"},
{"studentId":18,"studentFName":"Melissa","studentLName":"Morales","studentNumber":"N1723","enrolDate":"2018-08-10"},
{"studentId":19,"studentFName":"Kimberly","studentLName":"Johnson","studentNumber":"N1727","enrolDate":"2018-08-02"},
{"studentId":20,"studentFName":"Andrea","studentLName":"Flores","studentNumber":"N1731","enrolDate":"2018-07-09"},
{"studentId":21,"studentFName":"Jason","studentLName":"II","studentNumber":"N1732","enrolDate":"2018-06-05"},{"studentId":
08-27"},{"studentId":23,"studentFName":"Elizabeth","studentLName":"Thompson","studentNumber":"N1736","enrolDate":"2018-08
{"studentId":24,"studentFName":"Becky","studentLName":"Medina","studentNumber":"N1737","enrolDate":"2018-07-02"},
{"studentId":25,"studentFName":"Wayne","studentLName":"Collins","studentNumber":"N1740","enrolDate":"2018-07-20"},
{"studentId":26,"studentFName":"Nicole","studentLName":"Henderson","studentNumber":"N1742","enrolDate":"2018-06-07"},
{"studentId":27,"studentFName":"David","studentLName":"Larson","studentNumber":"N1744","enrolDate":"2018-07-19"},
{"studentId":28,"studentFName":"John","studentLName":"Reed","studentNumber":"N1748","enrolDate":"2018-08-15"},
{"studentId":29,"studentFName":"Richard","studentLName":"King","studentNumber":"N1751","enrolDate":"2018-08-17"},
{"studentId":30,"studentFName":"Alexander","studentLName":"Bennett","studentNumber":"N1752","enrolDate":"2018-07-29"},
{"studentId":31,"studentFName":"Caitlin","studentLName":"Cummings","studentNumber":"N1756","enrolDate":"2018-08-02"},
{"studentId":32,"studentFName":"Christine","studentLName":"Bittle","studentNumber":"N0001","enrolDate":"2020-10-05"}]
```

Find student

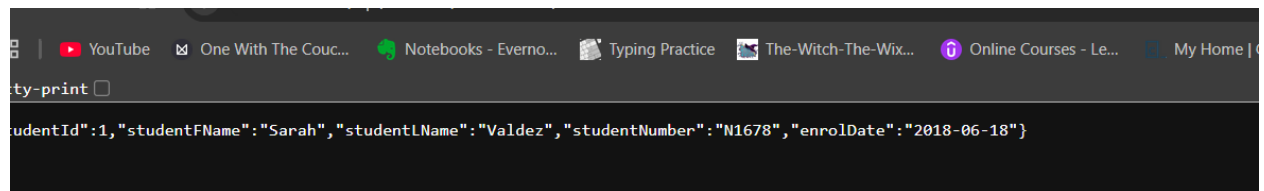


```
localhost:5016/api/Student/findstudent/100

{"studentId":0,"studentFName":null,"studentLName":null,"studentNumber":null,"enrolDate":"0001-01-01"}
```

Works, returns null data if student does not exist

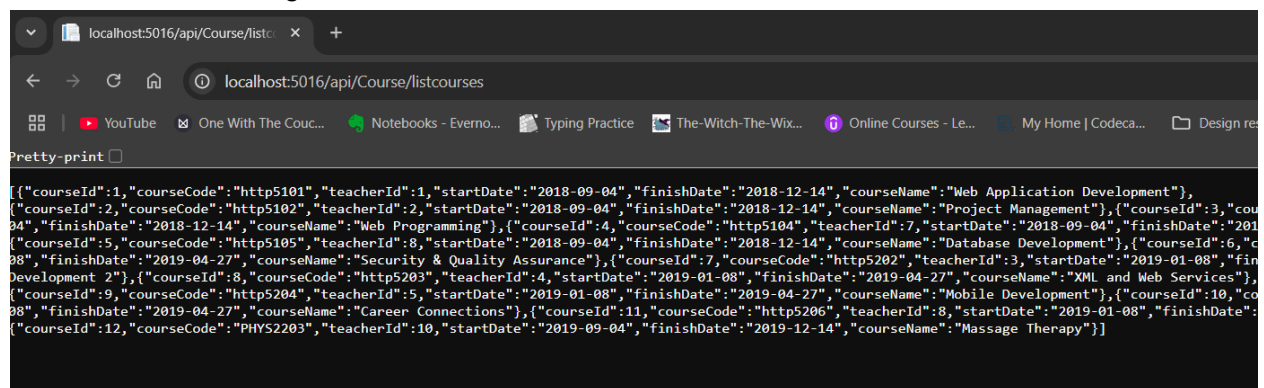
Returns proper data if student exists



```
localhost:5016/api/Student/findstudent/1

{"studentId":1,"studentFName":"Sarah","studentLName":"Valdez","studentNumber":"N1678","enrolDate":"2018-06-18"}
```

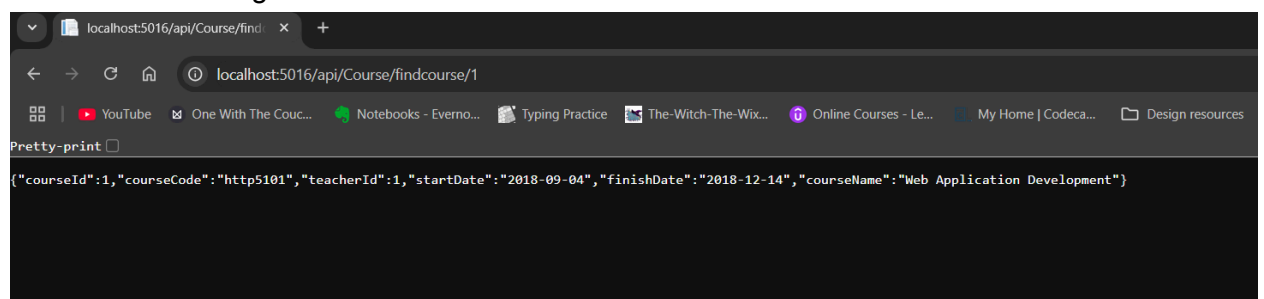
List courses is working



```
localhost:5016/api/Course/listcourses

[{"courseId":1,"courseCode":"http5101","teacherId":1,"startDate":"2018-09-04","finishDate":"2018-12-14","courseName":"Web Application Development"}, {"courseId":2,"courseCode":"http5102","teacherId":2,"startDate":"2018-09-04","finishDate":"2018-12-14","courseName":"Project Management"}, {"courseId":3,"courseCode":"http5103","teacherId":3,"startDate":"2018-09-04","finishDate":"2018-12-14","courseName":"Web Programming"}, {"courseId":4,"courseCode":"http5104","teacherId":7,"startDate":"2018-09-04","finishDate":"2018-12-14","courseName":"Database Development"}, {"courseId":5,"courseCode":"http5105","teacherId":8,"startDate":"2018-09-04","finishDate":"2018-12-14","courseName":"Security & Quality Assurance"}, {"courseId":6,"courseCode":"http5106","teacherId":3,"startDate":"2019-01-08","finishDate":"2019-04-27","courseName":"XML and Web Services"}, {"courseId":7,"courseCode":"http5107","teacherId":4,"startDate":"2019-01-08","finishDate":"2019-04-27","courseName":"Mobile Development"}, {"courseId":8,"courseCode":"http5108","teacherId":5,"startDate":"2019-01-08","finishDate":"2019-04-27","courseName":"Career Connections"}, {"courseId":9,"courseCode":"http5109","teacherId":10,"startDate":"2019-09-04","finishDate":"2019-12-14","courseName":"Massage Therapy"}]
```

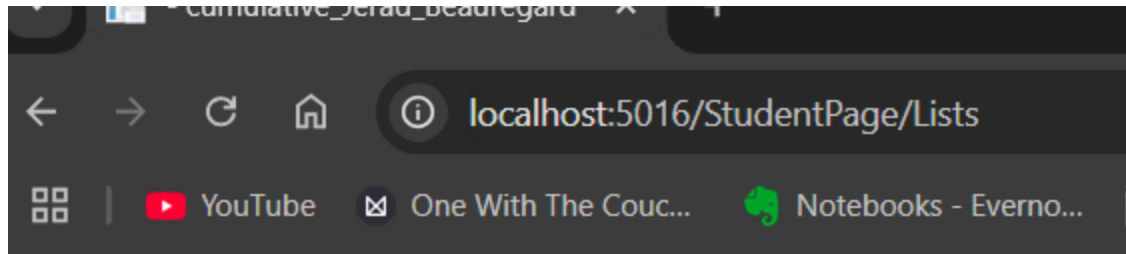
Find course working



```
localhost:5016/api/Course/findcourse/1

{"courseId":1,"courseCode":"http5101","teacherId":1,"startDate":"2018-09-04","finishDate":"2018-12-14","courseName":"Web Application Development"}
```

Student lists webpage working



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Students

[Sarah Valdez](#)

[Jennifer Faulkner](#)

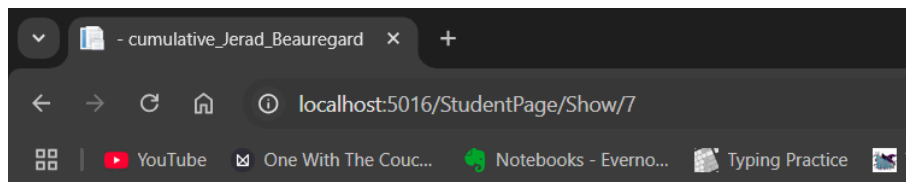
[Austin Simon](#)

[Mario English](#)

[Elizabeth Murray](#)

[Kevin Williams](#)

Student information working



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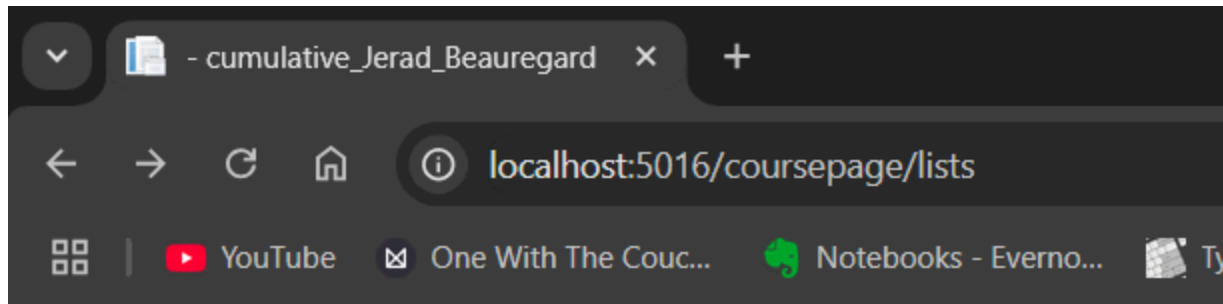
Jason Freeman

Student Number: N1694

Start Date: 2018-8-16

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Course name list working



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Courses

[Web Application Development](#)

[Project Management](#)

[Web Programming](#)

[Digital Design](#)

[Database Development](#)

[Security & Quality Assurance](#)

[Web Application Development 2](#)

[XML and Web Services](#)

[Mobile Development](#)

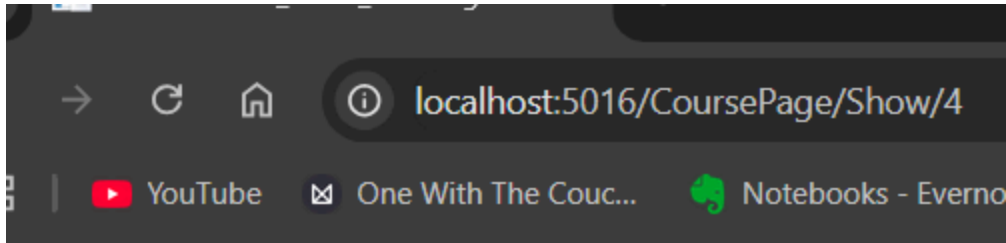
[Career Connections](#)

[Web Information Architecture](#)

[Massage Therapy](#)

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Course links working



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Digital Design

Course Code: http5104

Start Date: 2018-9-4

Finish Date: 2018-12-14

Teacher ID: 7

Search test string not outputting as intended

Teachers

Search for a teacher within a hiring range:

Start Date: End Date:

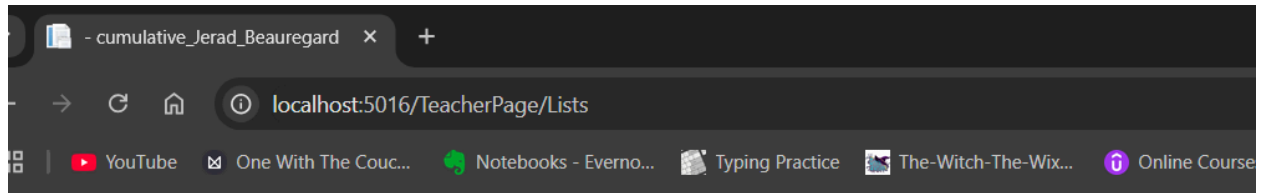
I am an end date string IS WORKING

[Alexander Bennett](#)

[Caitlin Cummins](#)

Should output i am a start date string i am an end day string, only end date input is working

It is now working, the form input name was not spelled correctly



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Teachers

Search for a teacher within a hiring range:

Start Date: End Date:

start working end working IS WORKING

[Alexander Bennett](#)

Excellent searched teacher is working on the same page as all teachers

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Teachers

Search for a teacher within a hiring range:

Start Date: End Date:

SEARCHED TEACHERS

[Alexander Bennett](#)

[Caitlin Cummings](#)

[Linda Chan](#)

[Lauren Smith](#)

[Dana Ford](#)

[Cody Holland](#)

[John Taram](#)

ALL TEACHER

[Alexander Bennett](#)

[Caitlin Cummings](#)

[Linda Chan](#)

[Lauren Smith](#)

[Jessica Morris](#)

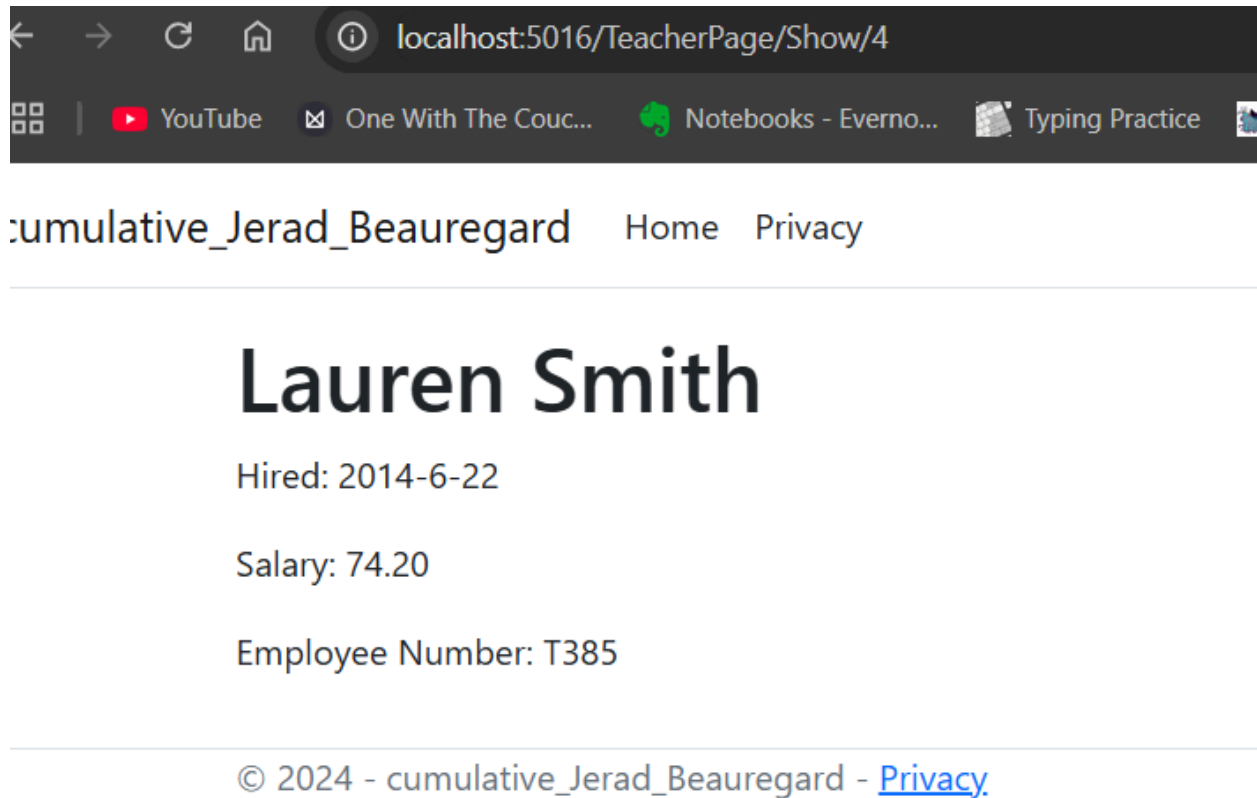
[Thomas Hawkins](#)

[Shannon Barton](#)

[Dana Ford](#)

I had to change the way that the information was being sent to the view, instead of using the whole model i broke it down into two different view datas

Ok changed iactionresult show to now use viewdata instead of the model view parameter
Its working



I also edited the dependency injector to take from the course api as well

```
1 reference
public class TeacherPageController : Controller
{
    //dependency injection for list apis
    private readonly TeacherApiController teacher_api;
    private readonly CourseApiController course_api;
    0 references
    public TeacherPageController(TeacherApiController TeacherApi, CourseApiController CourseApi)
    {
        teacher_api = TeacherApi;
        course_api = CourseApi;
    }
}
```

Thats all good and dandy

Search is working, links are working, course are displayed under the teacher

Teachers

Search for a teacher within a hiring range:

Start Date:

End Date:

SEARCHED TEACHERS

ALL TEACHER

[Alexander Bennett](#)

[Caitlin Cummings](#)

[Linda Chan](#)

[Lauren Smith](#)

[Jessica Morris](#)

[Thomas Hawkins](#)

[Shannon Barton](#)

[Dana Ford](#)

[Cody Holland](#)

[John Taram](#)

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Teachers

Search for a teacher within a hiring range:

Start Date:

End Date:

SEARCHED TEACHERS

[Alexander Bennett](#)

[Caitlin Cummings](#)

[Linda Chan](#)

[Lauren Smith](#)

[Dana Ford](#)

[Cody Holland](#)

[John Taram](#)

ALL TEACHER

[Alexander Bennett](#)

[Caitlin Cummings](#)

[Linda Chan](#)

[Lauren Smith](#)

[Jessica Morris](#)

[Thomas Hawkins](#)

Link to show page works in searched teachers
Show page displays courses that teachers teach

Linda Chan

Hired: 2015-8-22

Salary: 60.22

Employee Number: T382

COURSE NAME: Web Application Development 2 **COURSE CODE:** http5202 **START DATE:** 2019-01-08 **END DATE:** 2019-04-27

Caitlin Cummings

Hired: 2014-6-10

Salary: 62.77

Employee Number: T381

COURSE NAME: Project Management **COURSE CODE:** http5102 **START DATE:** 2018-09-04 **END DATE:** 2018-12-14

COURSE NAME: Security & Quality Assurance **COURSE CODE:** http5201 **START DATE:** 2019-01-08 **END DATE:** 2019-04-27

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When there are no courses taught, show does not display any information regarding the courses

Cody Holland

Hired: 2016-6-13

Salary: 43.20

Employee Number: T403

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As we can see Cody Holland teaches no courses and has no information show up.