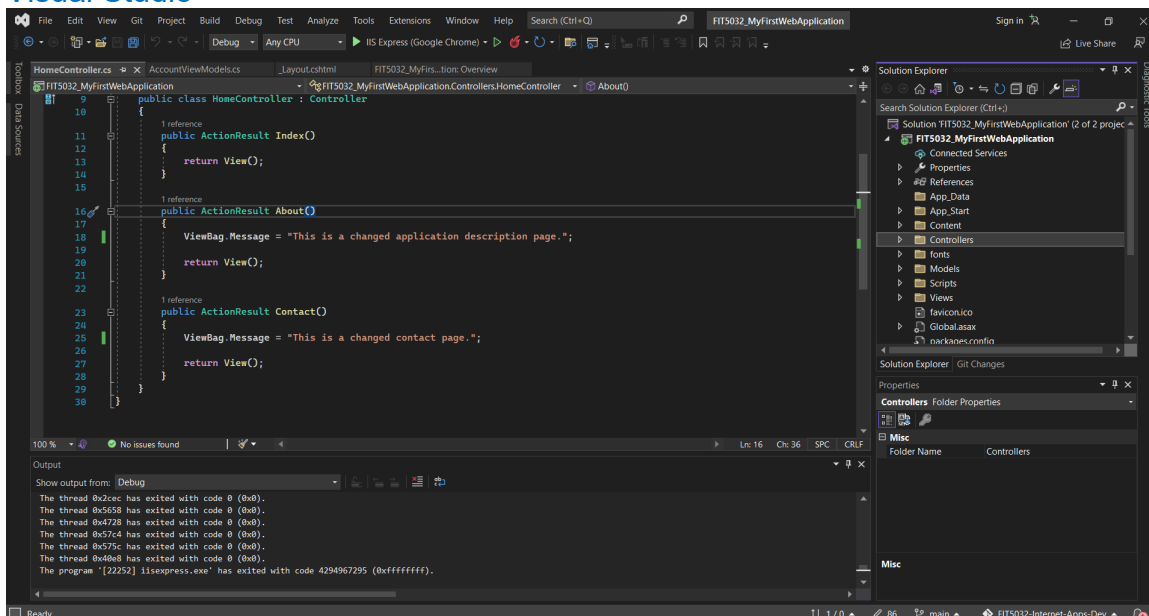


SELF-EVALUATION:

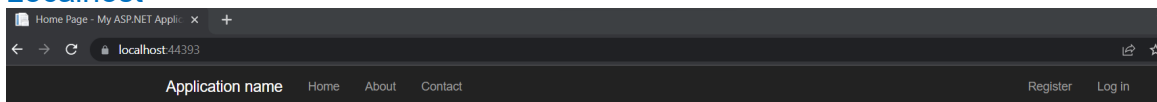
Need Help	Work in Progress	Pass	Credit	Distinction	High Distinction
-----------	------------------	------	--------	-------------	------------------

TASK 1.1

Visual Studio



Localhost



ASP.NET

ASP.NET is a free web framework for building great Web sites and Web applications using HTML, CSS and JavaScript.

[Learn more »](#)

Getting started

ASP.NET MVC gives you a powerful, patterns-based way to build dynamic websites that enables a clean separation of concerns and gives you full control over markup for enjoyable, agile development.

[Learn more »](#)

Get more libraries

NuGet is a free Visual Studio extension that makes it easy to add, remove, and update libraries and tools in Visual Studio projects.

[Learn more »](#)

Web Hosting

You can easily find a web hosting company that offers the right mix of features and price for your applications.

[Learn more »](#)

© 2022 - My ASP.NET Application

Git Repository

<https://github.com/Ryukawastaken/FIT5032-Internet-Apps-Dev.git>

TASK 1.2

5 DIFFERENT AGILE DEVELOPMENT IDES:

Microsoft Visual Studio <https://visualstudio.microsoft.com/>

JetBrains Rider <https://www.jetbrains.com/rider/>

Oracle NetBeans <https://www.oracle.com/au/tools/technologies/netbeans-ide.html>

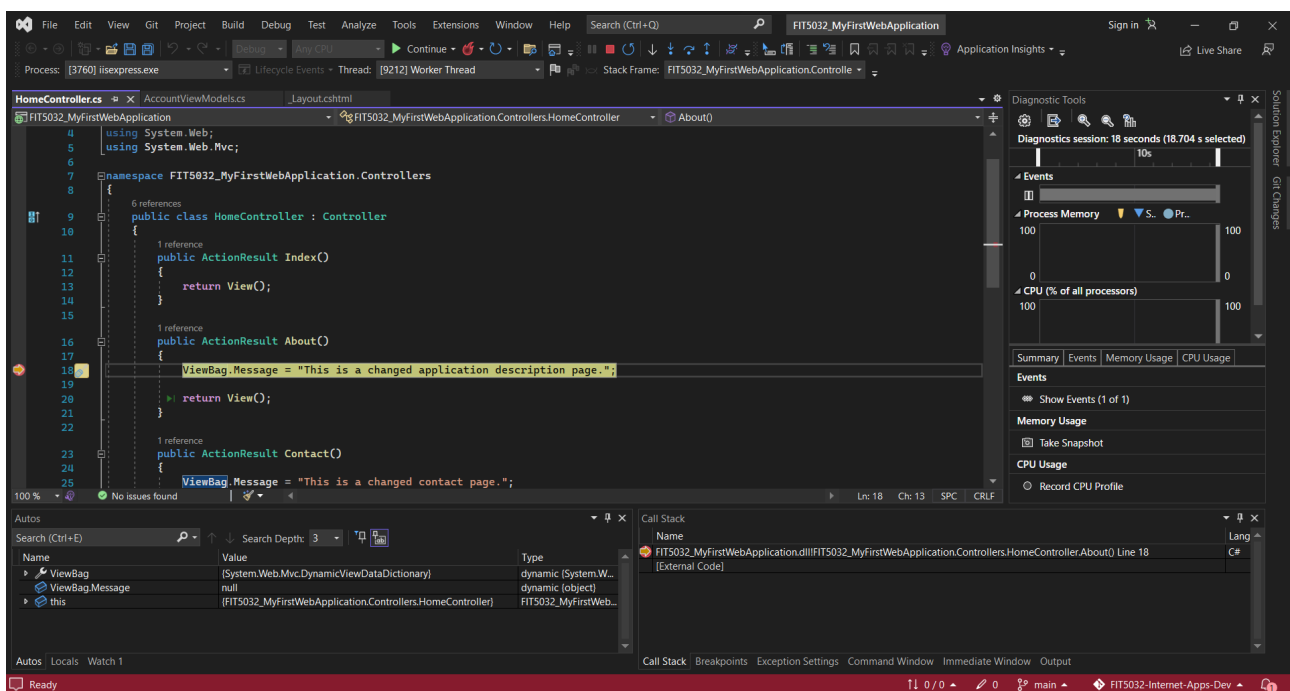
JetBrains IntelliJ IDEA <https://www.jetbrains.com/idea/>

JetBrains PyCharm <https://www.jetbrains.com/pycharm/>

FEATURES OF VISUAL STUDIO COMMUNITY EDITION

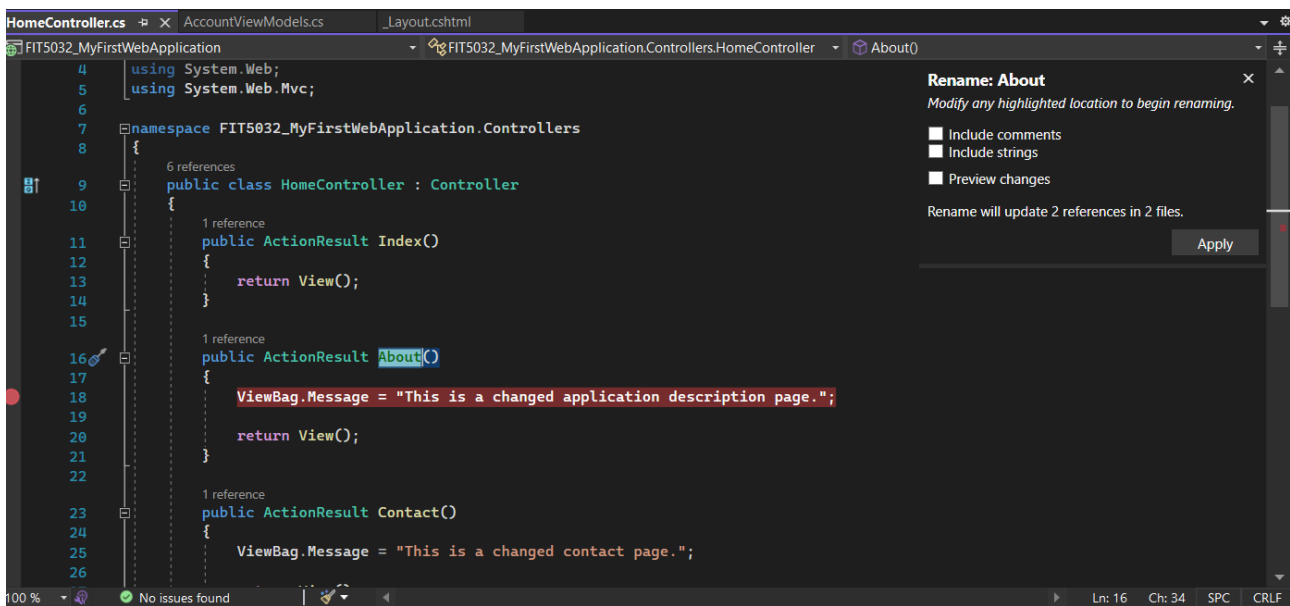
BREAKPOINTS/DEBUGGING

- Allows for real-time debugging at multiple points
- Shows status of variables at current point in time
- Allows for stepping over/into/out of for flow visualisation



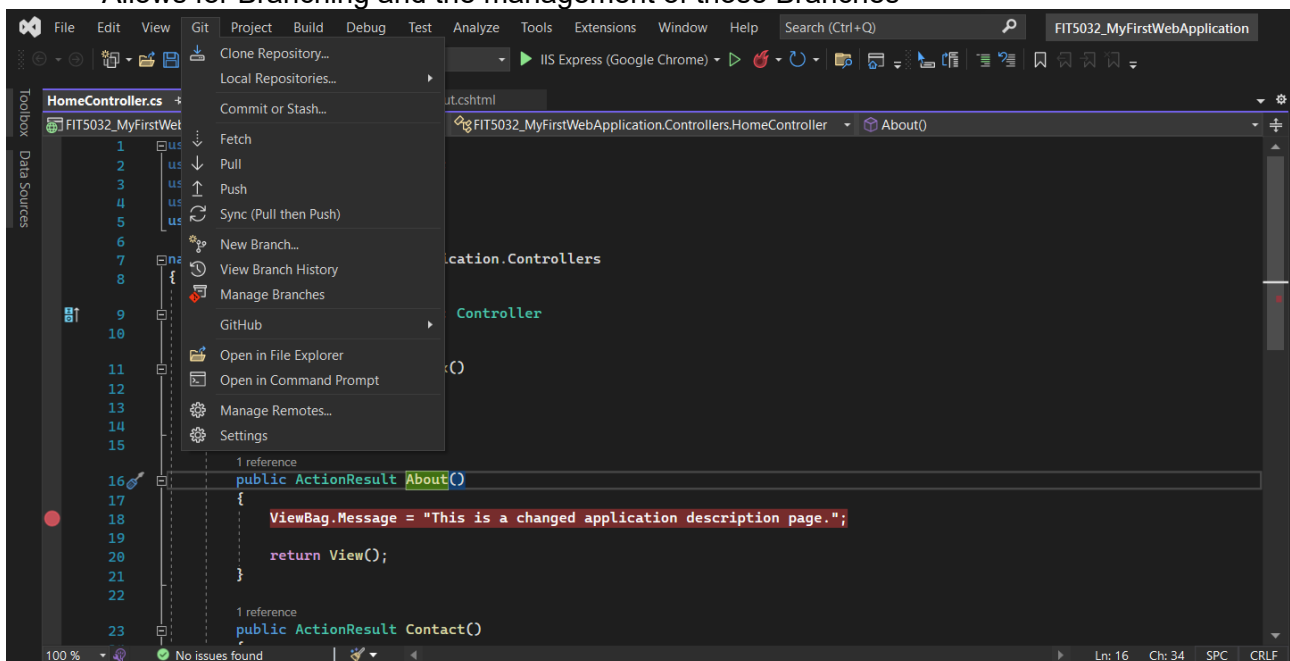
METHOD RENAMING WITH UPDATED REFERENCES

- Allows for renaming in one place and updating of all references to the variable/function
- Can choose to include comments/strings in renaming
- Can preview changes before applying changes



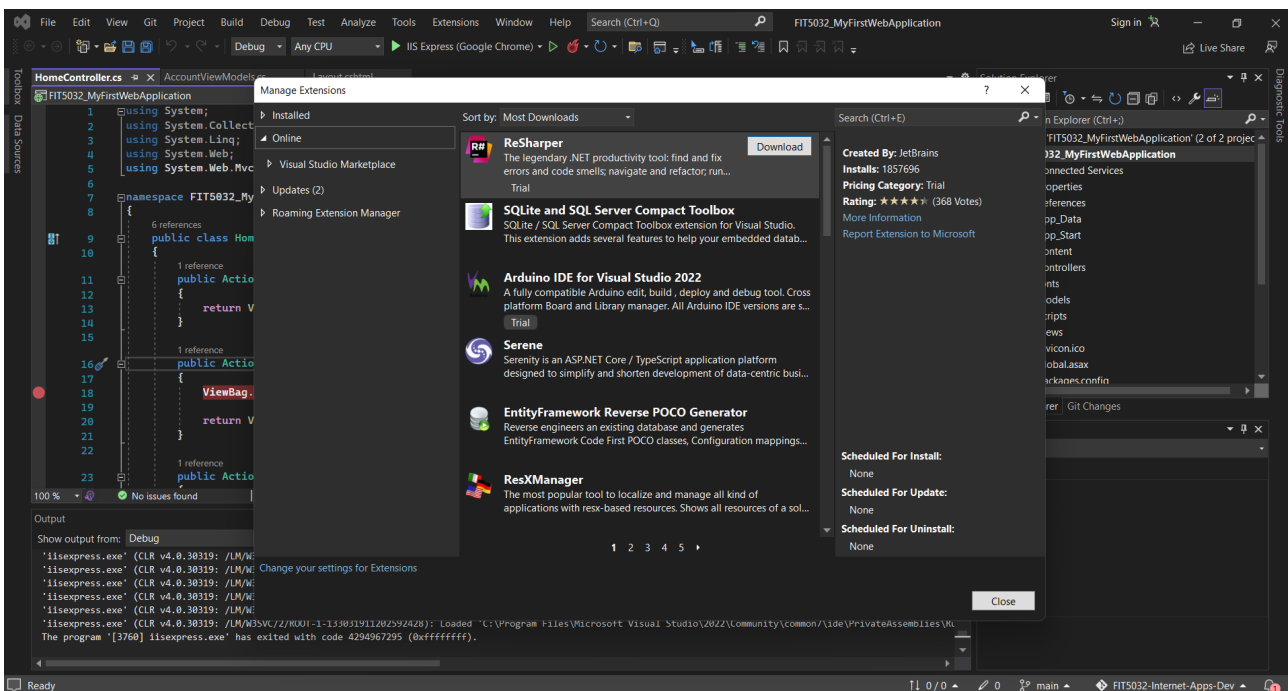
INTEGRATED GIT/VERSION CONTROL

- Allows the cloning of remote repositories and the management of local repositories
- Allows Pushing and Pulling directly from the IDE
- Allows for Branching and the management of those Branches



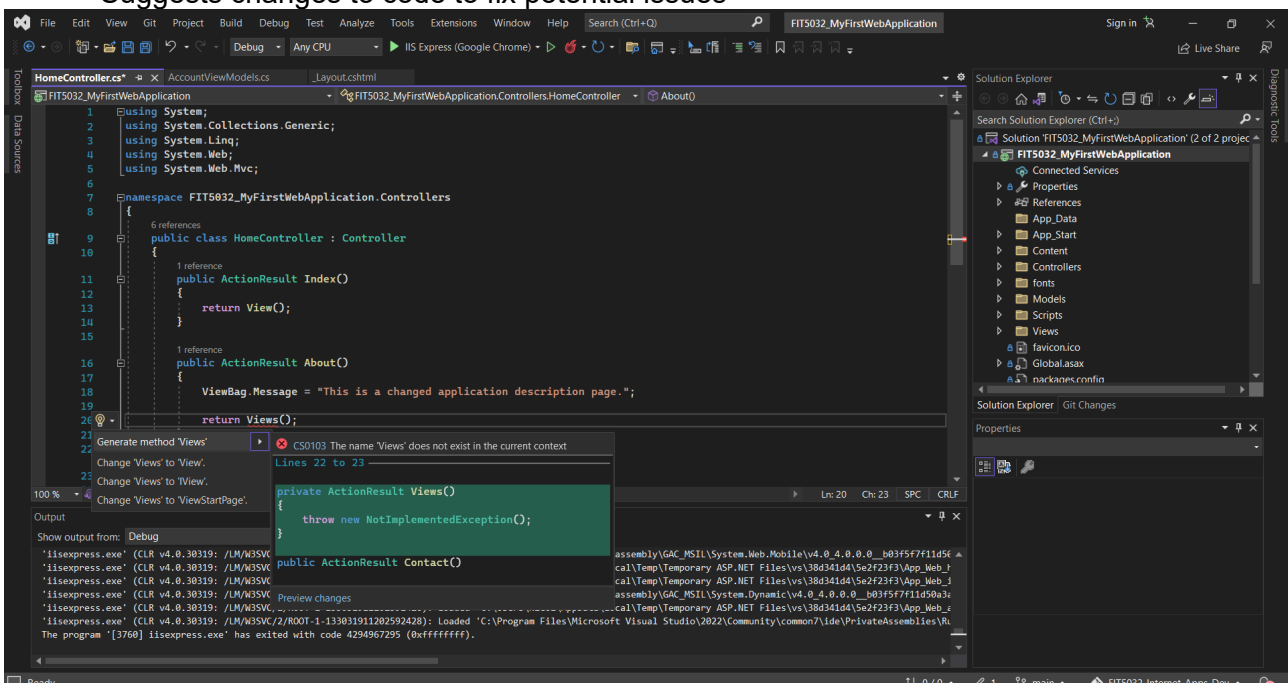
EXTENSION SUPPORT

- Includes support for installation of official and independently made extensions
- Easy to use Extension manager to browse, install, uninstall, and modify extensions



QUICK ACTIONS AND REFACTORING

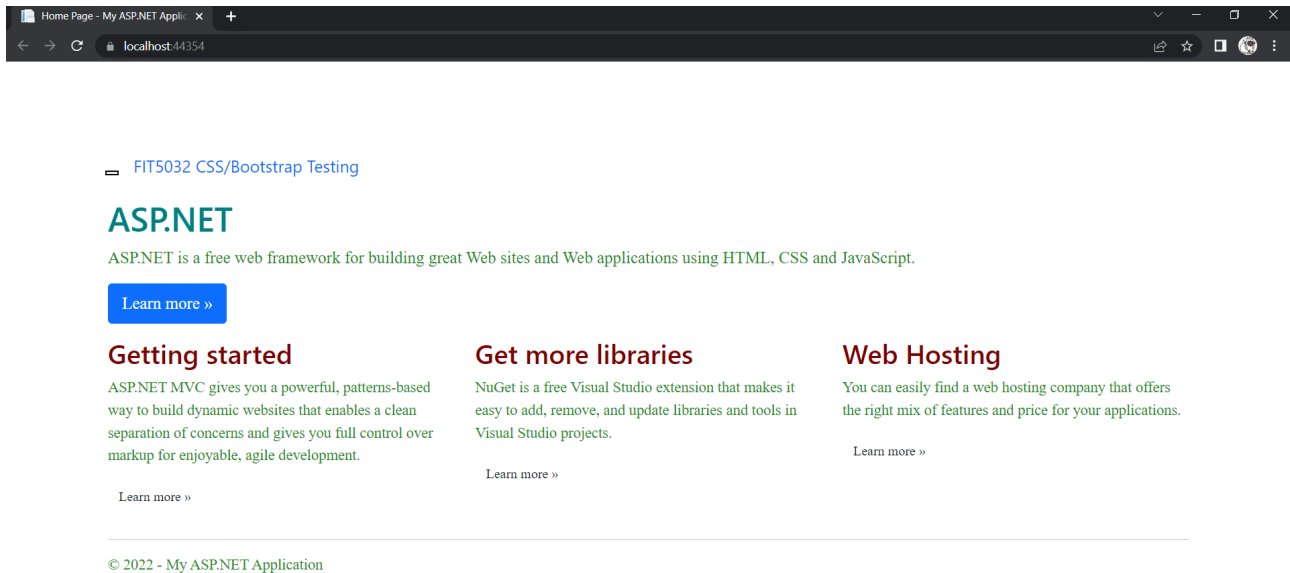
- Allows easy fixes of mistakes by recognizing what you may have meant
- Allows quick generation of methods
- Suggests changes to code to fix potential issues



TASK 2.1

CSS

WEBPAGE

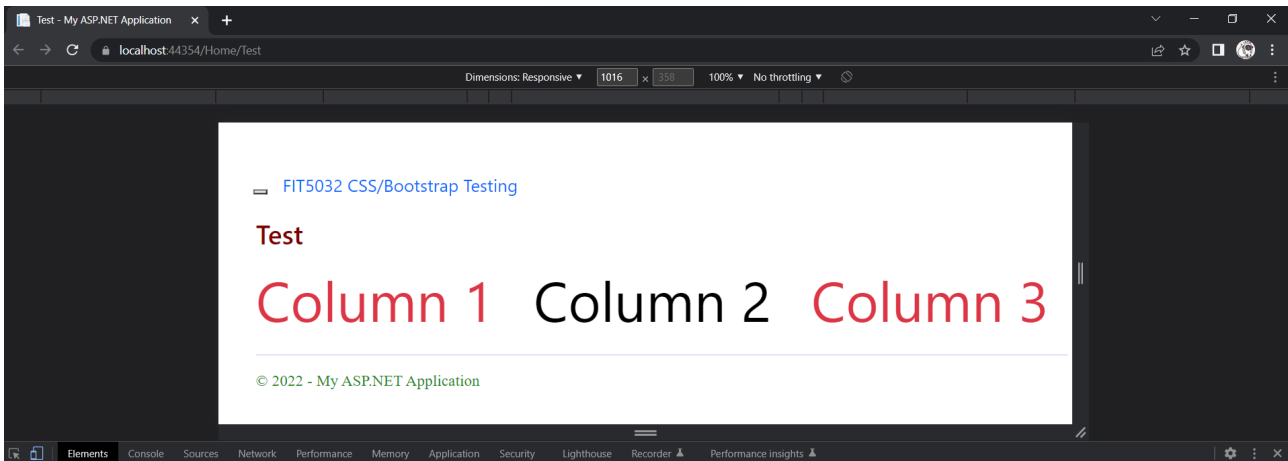


CODE

```
1 body {
2     color:blue;
3     font-size:64px;
4 }
5 p{
6     color:forestgreen;
7     font-size:18px;
8     font-family:'Times New Roman', Times, serif;
9 }
10 h1{
11     color:teal;
12 }
13 h2{
14     color:maroon;
15 }
16 h3{
17     color:blueviolet;
18 }
19
```

BOOTSTRAP

WEBPAGE



CODE

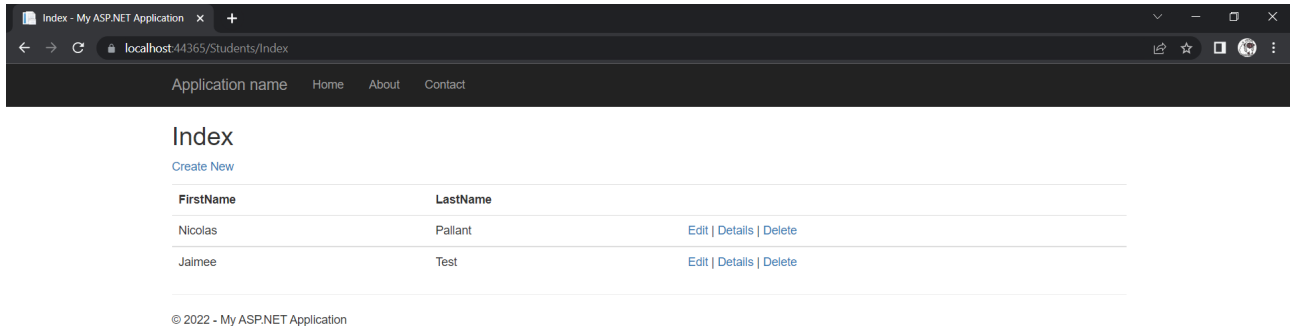
```
1
2  @{
3      ViewBag.Title = "Test";
4  }
5
6  <h2>Test</h2>
7
8  <div class="row">
9      <div class="col-4 text-danger">
10         <span>
11             Column 1
12         </span>
13     </div>
14     <div class="col-4 text-black">
15         <span>
16             Column 2
17         </span>
18     </div>
19     <div class="col-4 text-danger">
20         <span>
21             Column 3
22         </span>
23     </div>
24 </div>
```

GIT REPOSITORY

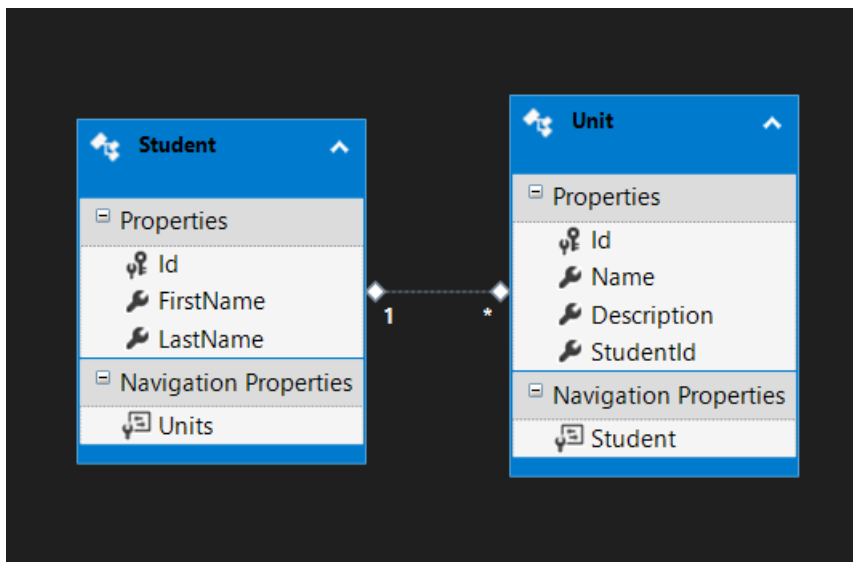
<https://github.com/Ryukawastaken/FIT5032-Internet-Apps-Dev.git>

TASK 2.2

WEB APPLICATION



DATABASE SCHEMA



CODE

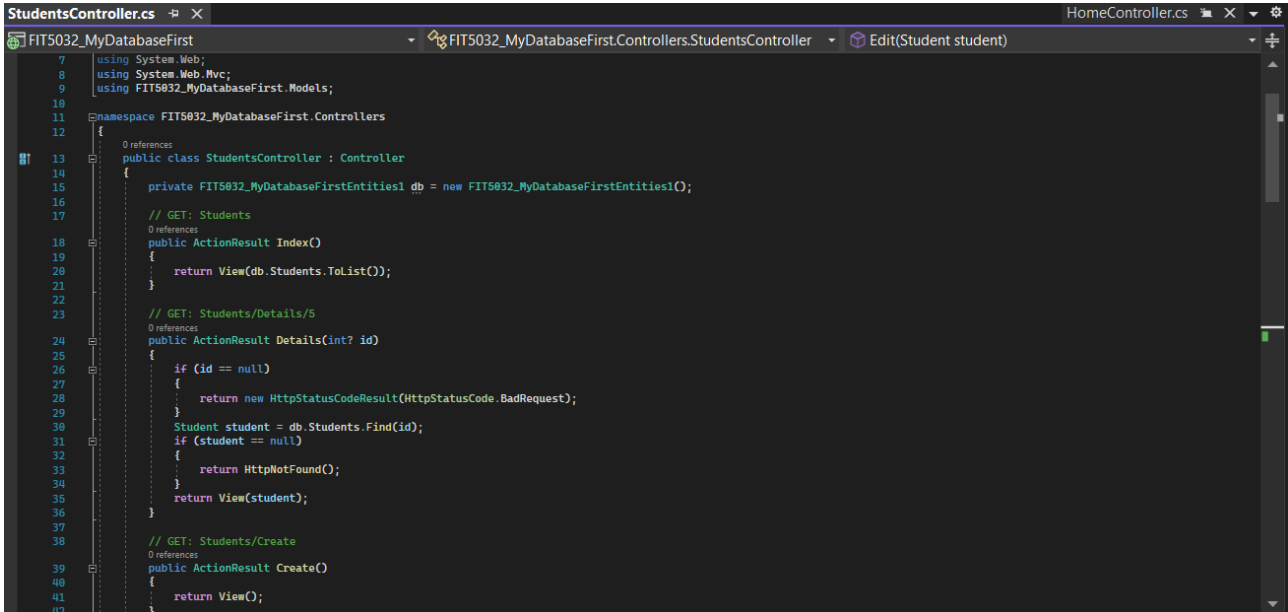
STUDENT MODEL

```

FIT5032_MyDatabaseFirst
FIT5032_MyDatabaseFirst.Models.Student
Student()

7 // </auto-generated>
8 //-----
9
10 namespace FIT5032_MyDatabaseFirst.Models
11 {
12     using System;
13     using System.Collections.Generic;
14
15     9 references
16     public partial class Student
17     {
18         [System.Diagnostics.CodeAnalysis.SuppressMessage("Microsoft.Usage", "CA2214:DoNotCallOverridableMethodsInConstructors")]
19         0 references
20         public Student()
21         {
22             this.Units = new HashSet<Unit>();
23
24             0 references
25             public int Id { get; set; }
26             0 references
27             public string FirstName { get; set; }
28             0 references
29             public string LastName { get; set; }
30
31             [System.Diagnostics.CodeAnalysis.SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
32             1 reference
33             public virtual ICollection<Unit> Units { get; set; }
34     }
  
```

CONTROLLER



```
StudentsController.cs
FIT5032_MyDatabaseFirst
FIT5032_MyDatabaseFirst.Controllers.StudentsController
Edit(Student student)
HomeController.cs

7 using System.Web;
8 using System.Web.Mvc;
9 using FIT5032_MyDatabaseFirst.Models;
10
11 namespace FIT5032_MyDatabaseFirst.Controllers
12 {
13     0 references
14     public class StudentsController : Controller
15     {
16         private FIT5032_MyDatabaseFirstEntities1 db = new FIT5032_MyDatabaseFirstEntities1();
17
18         // GET: Students
19         0 references
20         public ActionResult Index()
21         {
22             return View(db.Students.ToList());
23         }
24
25         // GET: Students/Details/5
26         0 references
27         public ActionResult Details(int? id)
28         {
29             if (id == null)
30             {
31                 return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
32             }
33             Student student = db.Students.Find(id);
34             if (student == null)
35             {
36                 return HttpNotFound();
37             }
38             return View(student);
39         }
40
41         // GET: Students/Create
42         0 references
43         public ActionResult Create()
44         {
45             return View();
46         }
47     }
48 }
```

GIT REPOSITORY

<https://github.com/Ryukawastaken/FIT5032-Internet-Apps-Dev.git>