

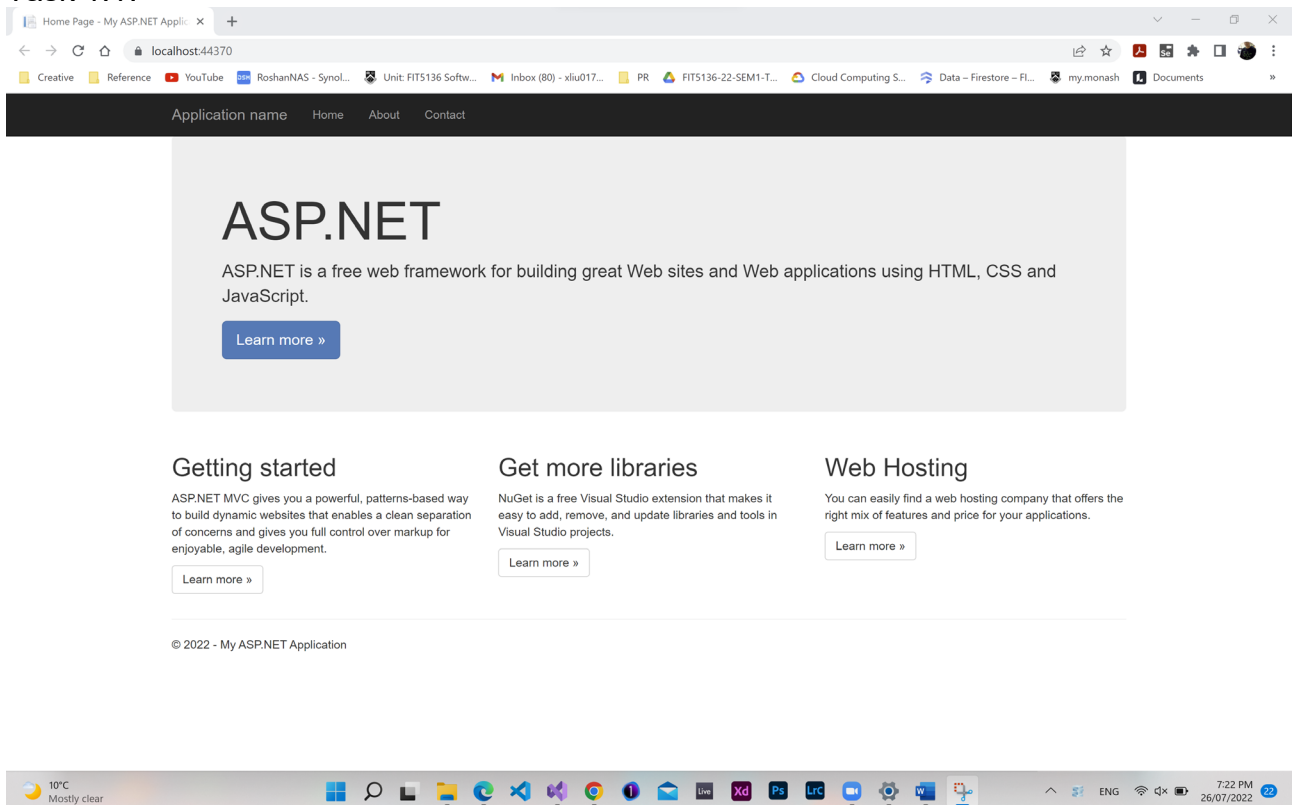
## Studio 1\_2

Name and Student Id: Xiangyu Liu 27503410

Self-Evaluation: **High Distinction**

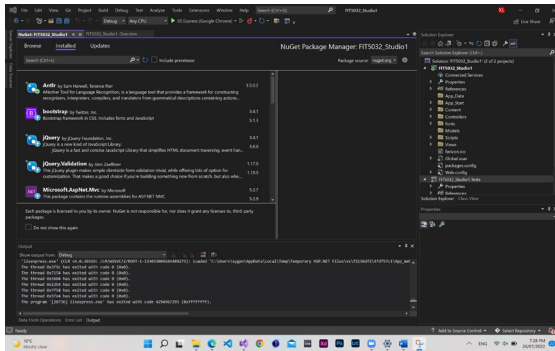
Need Help	Work in Progress	Pass	Credit	Distinction	High Distinction
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### Task 1.1:

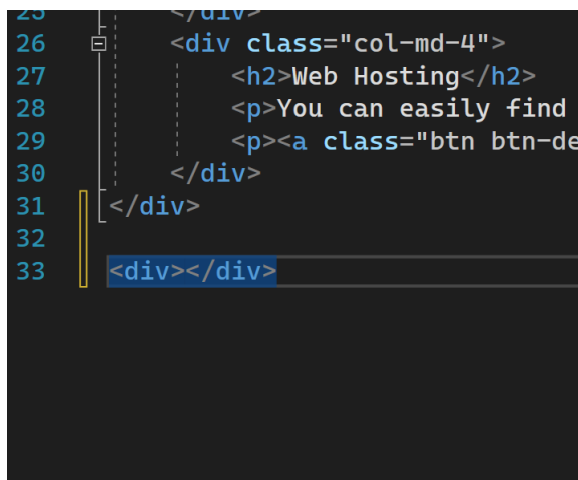


### Task 1.2:

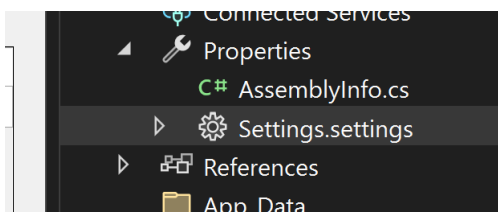
- 5 IDEs:  
WebStorm, Pycharm, VS code, Eclipse, Xcode
- Features:
  1. NuGet Package manager: Easy to manage packages



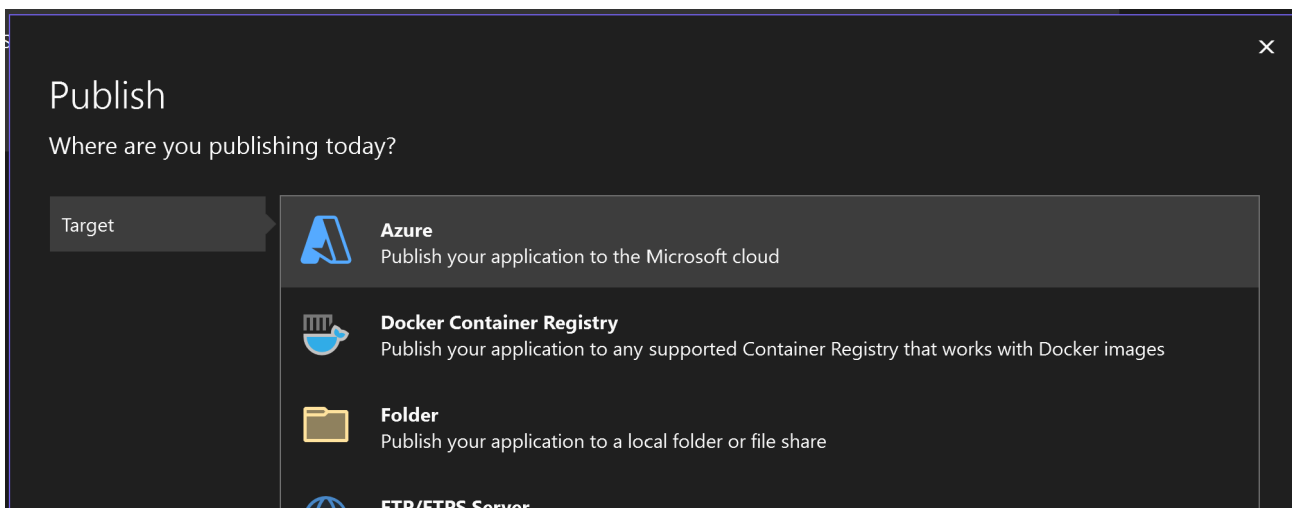
- Intelligent coding: When I type `<div>` it auto generated `</div>`



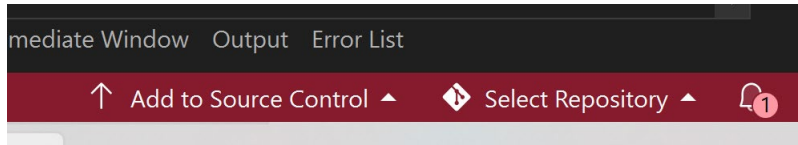
- Built-in global settings for app: Save user preferences



- Publish to Azure: Easy to deploy



## 5. Git: Save codes with history



### Task 2.1:

website using some CSS examples and code:

```
▼ .answer {  
  border: 1px solid #466995;  
  margin: 20px;  
  display: inline-block;  
}  
  
▼ .answer:hover {  
  background: #C0D6DF;  
  color: #FFF;  
}
```

```
<div class="answer">  
  <h3>Disagree</h3>  
</div>  
  
<div class="answer">  
  <h3>Neutral</h3>  
</div>  
  
<div class="answer">  
  <h3>Agree</h3>  
</div>  
</div>
```

### QUESTION 1

I like participating in physical activity  
such as running, swimming, or biking.

**DISAGREE**

**NEUTRAL**

website using some Bootstrap responsiveness examples and code:

MONASH  
University

```
<h4 class="tw-semibold">read our getting guides</h4>  
<p>...</p>  
<div class="d-flex flex-wrap align-items-center justify-content-center gap-4 mt-4">  
  <a class="d-flex flex-column align-items-center text-decoration none" href="/docs/5.2/getting-started/webpack">...</a>  
  <a class="d-flex flex-column align-items-center text-decoration none" href="/docs/5.2/getting-started/parcel">...</a>  
  <a class="d-flex flex-column align-items-center text-decoration none" href="/docs/5.2/getting-started/vite">...</a>  
</div>  
</section>
```

guides.



## Webpack



Parcel



Vite

### Task 2.2:

The screenshot displays the Visual Studio IDE interface for a .NET Core application. The main editor window shows the 'SQLQuery2.sql' file with the following SQL code:

```

1  -- Creating table 'Students'
2  CREATE TABLE [dbo].[Students] (
3  [Id] int IDENTITY(1,1) NOT NULL,
4  [FirstName] nvarchar(max) NOT NULL,
5  [LastName] nvarchar(max) NOT NULL,
6  PRIMARY KEY (Id)
7  );
8  GO
9  -- Creating table 'Units'
10 CREATE TABLE [dbo].[Units] (
11 [Id] int IDENTITY(1,1) NOT NULL,
12 [Name] nvarchar(max) NOT NULL,
13 [Description] nvarchar(max) NOT NULL,
14 [StudentId] int NOT NULL,
15 PRIMARY KEY (Id),
16 FOREIGN KEY (StudentId) REFERENCES Students(Id)
17 );
18 GO

```

The 'Solution Explorer' on the right shows the project structure for 'Solution FIT5032\_Studio2'. The project contains several folders and files, including 'Connected Services', 'Properties', 'References', 'App\_Data', 'Database1.mdf', 'Database1\_log.ldf', 'App\_Start', 'Content', 'Controllers', 'HomeController.cs', 'StudentsController.cs', 'fonts', 'Models', 'Model1.edmx', 'Model1.Context.tt', 'Model1.Designer.cs', 'Model1.edmx.diagram', 'Model1.tt', 'Model1.cs', 'Student.cs', 'Unit.cs', and 'Scripts'.

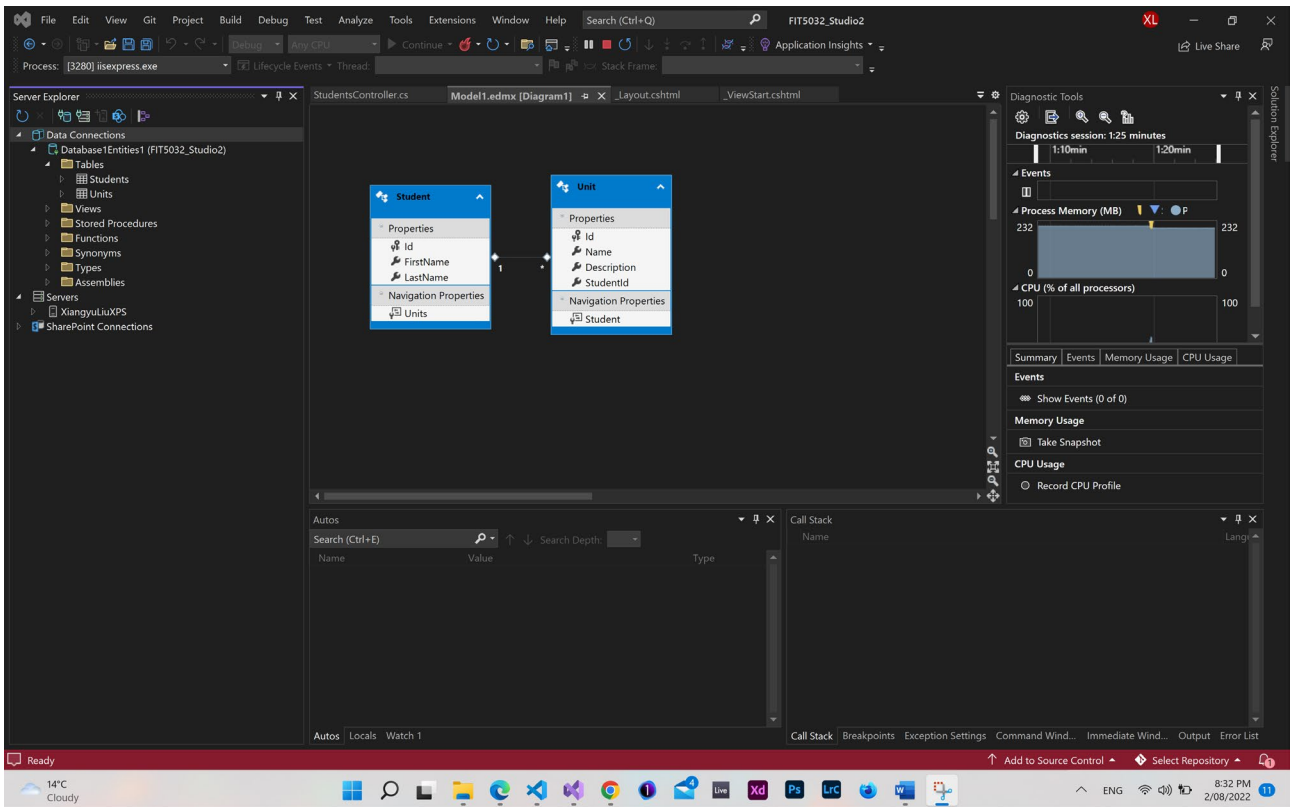
The 'Output' window at the bottom shows the execution of 'iisexpress.exe' and the successful loading of the application. The output text is as follows:

```

Show output from: Debug
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\WINDOWS\Microsoft.NET\assembly\GAC_MSIL\System.WorkflowServices\v4.0.0.0-31b...
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\WINDOWS\Microsoft.NET\assembly\GAC_MSIL\System.Data.DataSetExtensions\v4.0.0.0-4b...
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\WINDOWS\Microsoft.NET\assembly\GAC_MSIL\System.Web.DynamicData\v4.0.0.0-31bf...
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\Users\vygen\AppData\Local\Temp\Temporary ASP.NET Files\vs\3f08929f\ad37e326\asser...
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\Users\vygen\AppData\Local\Temp\Temporary ASP.NET Files\vs\3f08929f\ad37e326\asser...
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\Users\vygen\AppData\Local\Temp\Temporary ASP.NET Files\vs\3f08929f\ad37e326\asser...
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\Users\vygen\AppData\Local\Temp\Temporary ASP.NET Files\vs\3f08929f\ad37e326\asser...
iisexpress.exe (CLR v4.0.30319: /LN/MSVC/2/ROOT-2-13309999682807294): Loaded C:\Users\vygen\AppData\Local\Temp\Temporary ASP.NET Files\vs\3f08929f\ad37e326\asser...
The program '[3280] iisexpress.exe' has exited with code 4294967295 (0xffffffff).

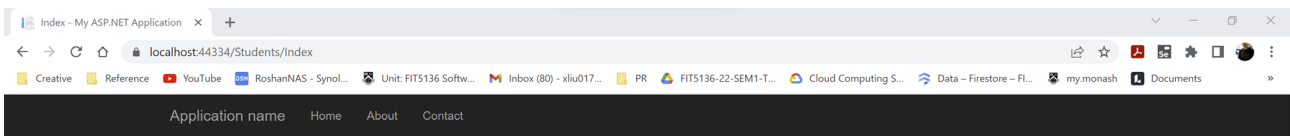
```

The status bar at the bottom indicates the application is running on 'Any CPU' in 'Debug' mode.



The screenshot shows the Visual Studio 2022 IDE with the following components:

- Server Explorer:** Shows a database connection named 'Database1Entities1 (FIT5032\_Studio2)' with tables 'Students' and 'Units'.
- Model1.edmx (Diagram1):** Displays an Entity-Relationship model with two entities:
  - Student:** Properties include Id, FirstName, LastName, and Units (navigation property).
  - Unit:** Properties include Id, Name, Description, StudentId, and Student (navigation property).
- Diagnostic Tools:** Shows a diagnostics session for 1:25 minutes. It includes graphs for Process Memory (MB) and CPU (% of all processors). The CPU usage is currently at 0%.
- Autos:** A search bar for variables with a search depth dropdown.
- Call Stack:** A list of method calls during the execution.



The screenshot shows a web browser window with the following details:

- Address Bar:** localhost:44334/Students/Index
- Page Title:** Index - My ASP.NET Application
- Navigation:** Application name, Home, About, Contact

## Index

[Create New](#)

FirstName	LastName

© 2022 - My ASP.NET Application

Create - My ASP.NET Application

localhost:44334/Students/Create

Application name Home About Contact

## Create

Student

FirstName abc

LastName 123

Create

[Back to List](#)

© 2022 - My ASP.NET Application

14°C Cloudy

Index - My ASP.NET Application

localhost:44334/Students

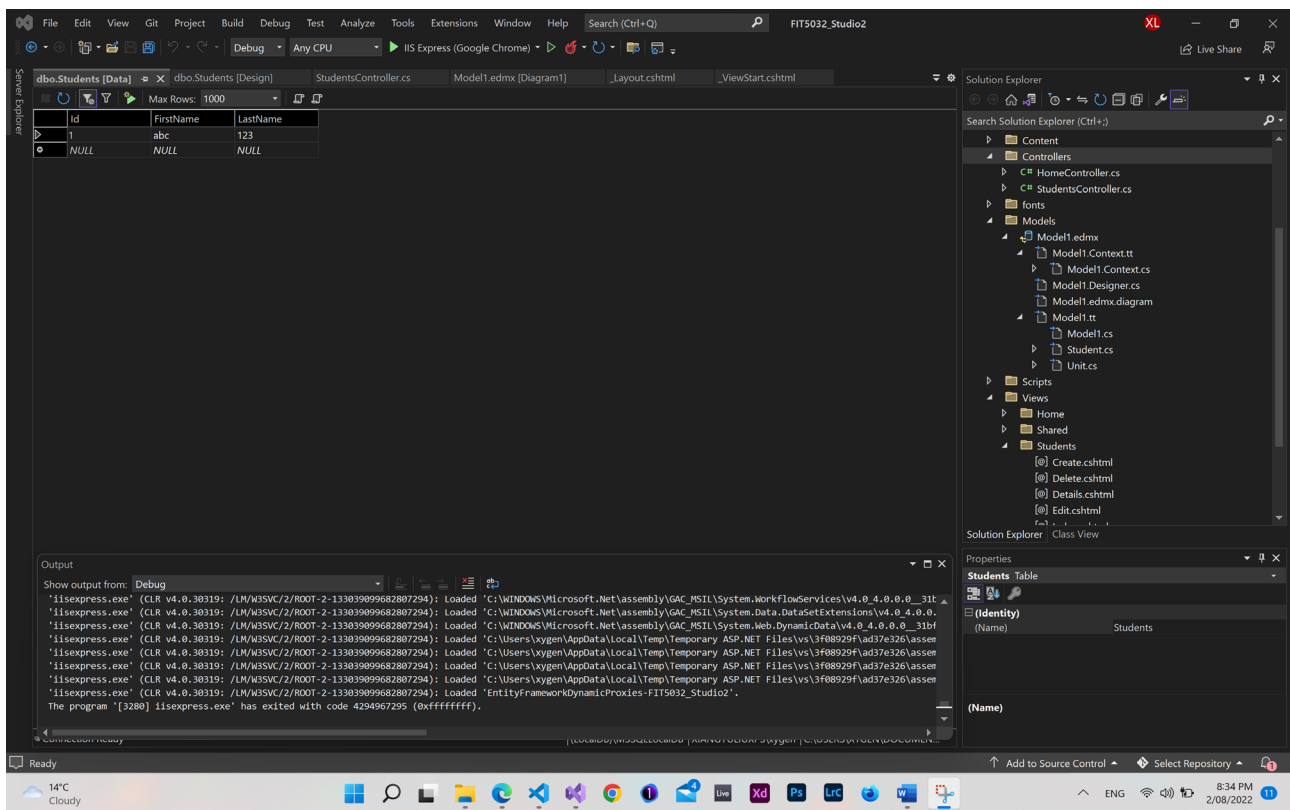
Application name Home About Contact

## Index

[Create New](#)

FirstName	LastName	
abc	123	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

© 2022 - My ASP.NET Application



The screenshot displays the Visual Studio 2019 IDE with the following components:

- Menu Bar:** File, Edit, View, Git, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help.
- Toolbox:** Debug, Any CPU, IIS Express (Google Chrome).
- Server Explorer:** Shows 'dbo.Students [Data]' with a table containing columns 'Id', 'FirstName', and 'LastName'. The table has one row with values '1', 'abc', and '123'.
- Solution Explorer:** Shows the project structure for 'FIT5032\_Studio2'. The 'Models' folder is expanded, showing 'Model1.edmx', 'Model1.Context.tt', 'Model1.Context.cs', 'Model1.Designer.cs', 'Model1.edmx.diagram', 'Model1.tt', 'Model1.cs', 'Student.cs', and 'Unit.cs'.
- Properties Window:** Shows the 'Students' table with columns '(Name)' and 'Students'.
- Output Window:** Shows debug logs for IIS Express. The logs indicate that the application is running successfully, with the program '[3280] IISExpress.exe' exiting with code 4294967295 (0xffffffff).