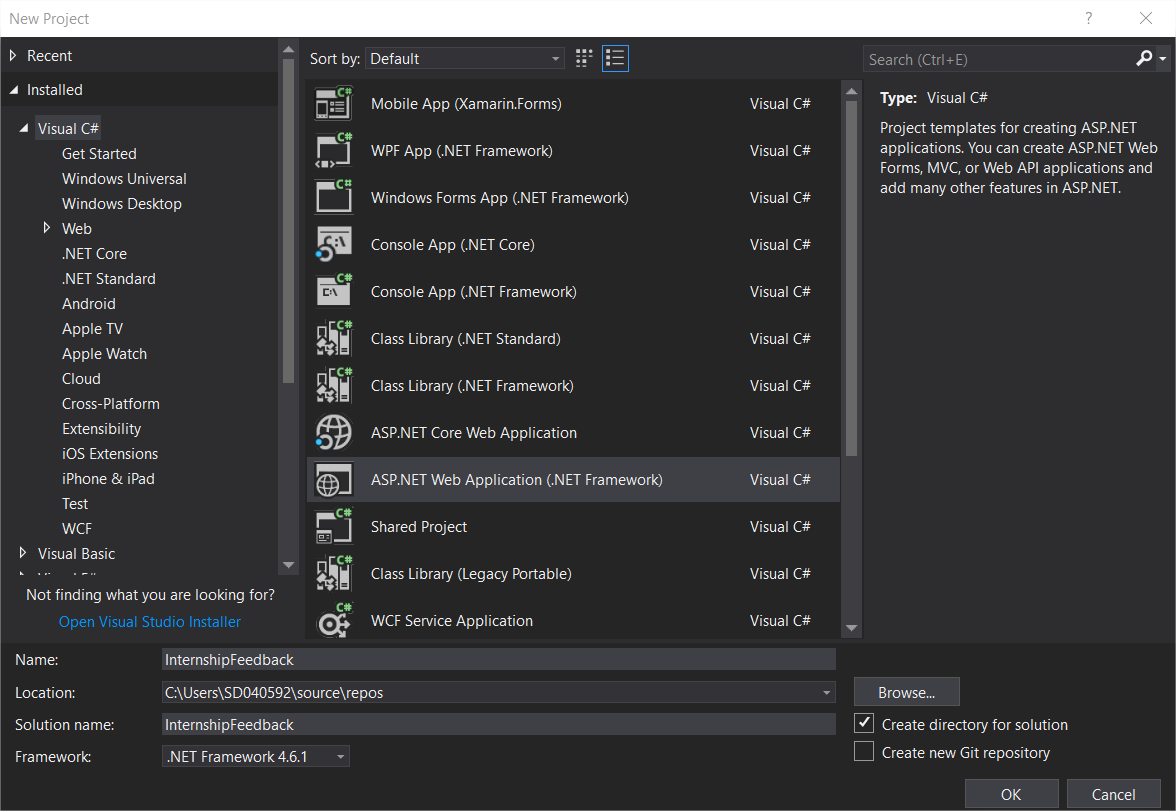
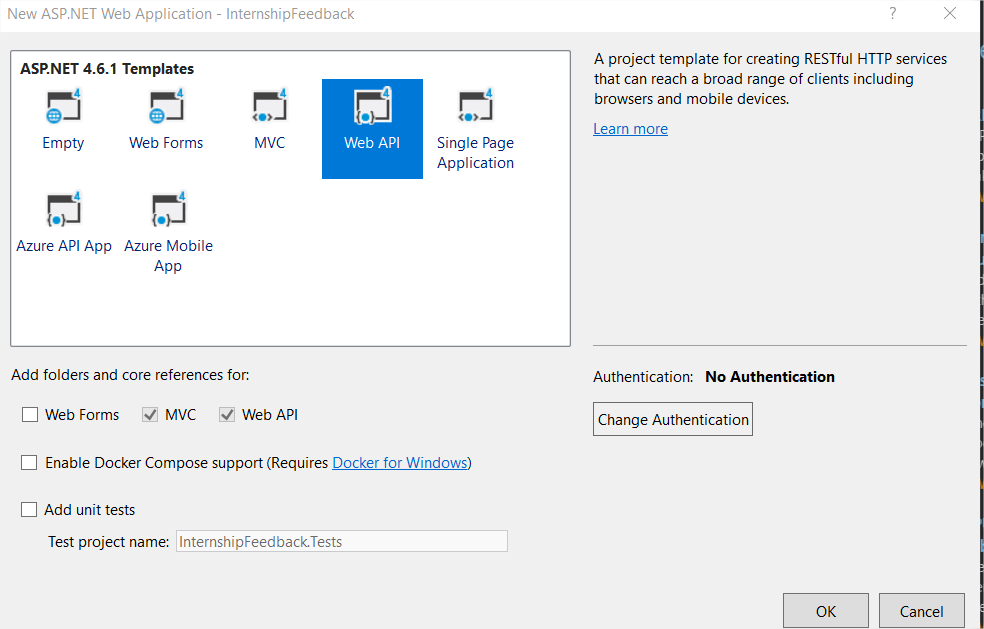
ASP.NET WebAPI

1. Create a blank new ASP.NET Web Application (.NET framework)



1. Select WEBAPI from the list (MVC and Web API checked)



1. Install the following references using nuget package console

Install-Package EntityFramework

Install-Package Microsoft.AspNet.WebApi.Cors

1. Insert the database sql string in web.config under </configSections>

<connectionStrings>

<add name="InsernshipFeedbackConnString" providerName="System.Data.SqlClient" connectionString="Server=tcp:sampleapiyudishdbserver.database.windows.net,1433; Initial Catalog=SampleAPIYudish\_db; Persist Security Info=False; User ID=yudish; Password= SDWorx123; MultipleActiveResultSets=False;Encrypt=True; TrustServerCertificate=False; Connection Timeout=30;" />

</connectionStrings>

1. Create a folder Models and create a class called Feedback.cs

using System;

using System.ComponentModel.DataAnnotations;

namespace InternshipFeedback.Models

{

public class Feedback

{

[Key]

public int Id { get; set; }

[Required]

public string NameOfIntern { get; set; }

[Required]

public string Feedback { get; set; }

[Required]

public DateTime Current\_Time { get; set; }

}

}

1. Create another class at root level called ApplicationDbContext.cs
2. using System.Data.Entity;
3. using Feedback.Models;
4. namespace InternshipFeedback
5. {
6. public class ApplicationDbContext : DbContext
7. {
8. public ApplicationDbContext() :
9. base("InsernshipFeedbackConnString") –as defined in step 4
10. {
11. }
12. public static ApplicationDbContext Create()
13. {
14. return new ApplicationDbContext();
15. }
16. public DbSet<Feedback> Feedbacks { get; set; }
17. }
18. }

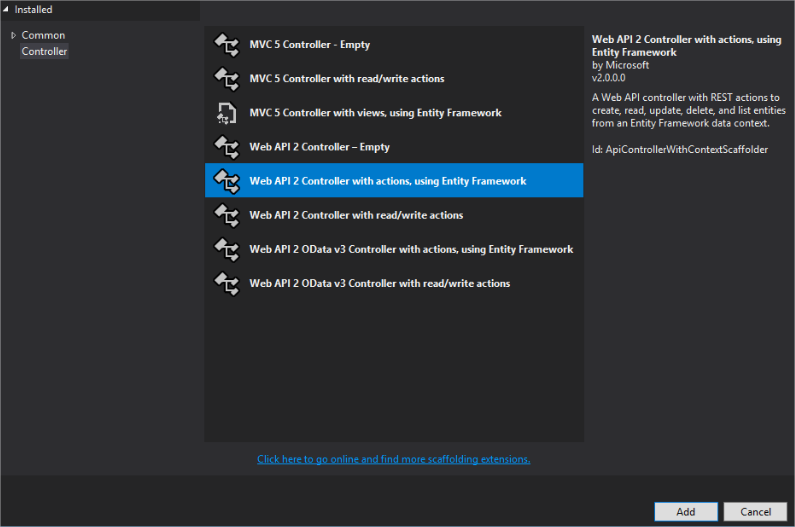
7. In package manager console, add the following lines:

Enable-Migrations

Add-Migration Initial

Update-Database -Verbose

8. Right Click on the Controllers folder and choose Add > Controller



9. Model class should be FeedbackModel, Data context Class: ApplicationDbContext, Use async controller actions ticked, Controller Name: FeedbackController

10. Configure CORS: In Register method in WebAPIConfig class, add

In the using statements:

// install this ->>>>>>> Microsoft.AspNet.WebApi.Cors

using System.Web.Http.Cors;

using Newtonsoft.Json.Serialization;

At the end of the register method:

var cors = new EnableCorsAttribute("http://localhost:4200", "\*", "\*");

config.EnableCors(cors);

// Set JSON formatter as default one and remove XmlFormatter

var jsonFormatter = config.Formatters.JsonFormatter;

jsonFormatter.SerializerSettings.ContractResolver = new CamelCasePropertyNamesContractResolver();

config.Formatters.Remove(config.Formatters.XmlFormatter);

jsonFormatter.SerializerSettings.DateTimeZoneHandling = Newtonsoft.Json.DateTimeZoneHandling.Utc;