

# Setting up the Solution

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**Gill Cleeren**

ARCHITECT

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# Overview



**File → New Project**

**Looking at the project structure**

**Configuring the application**

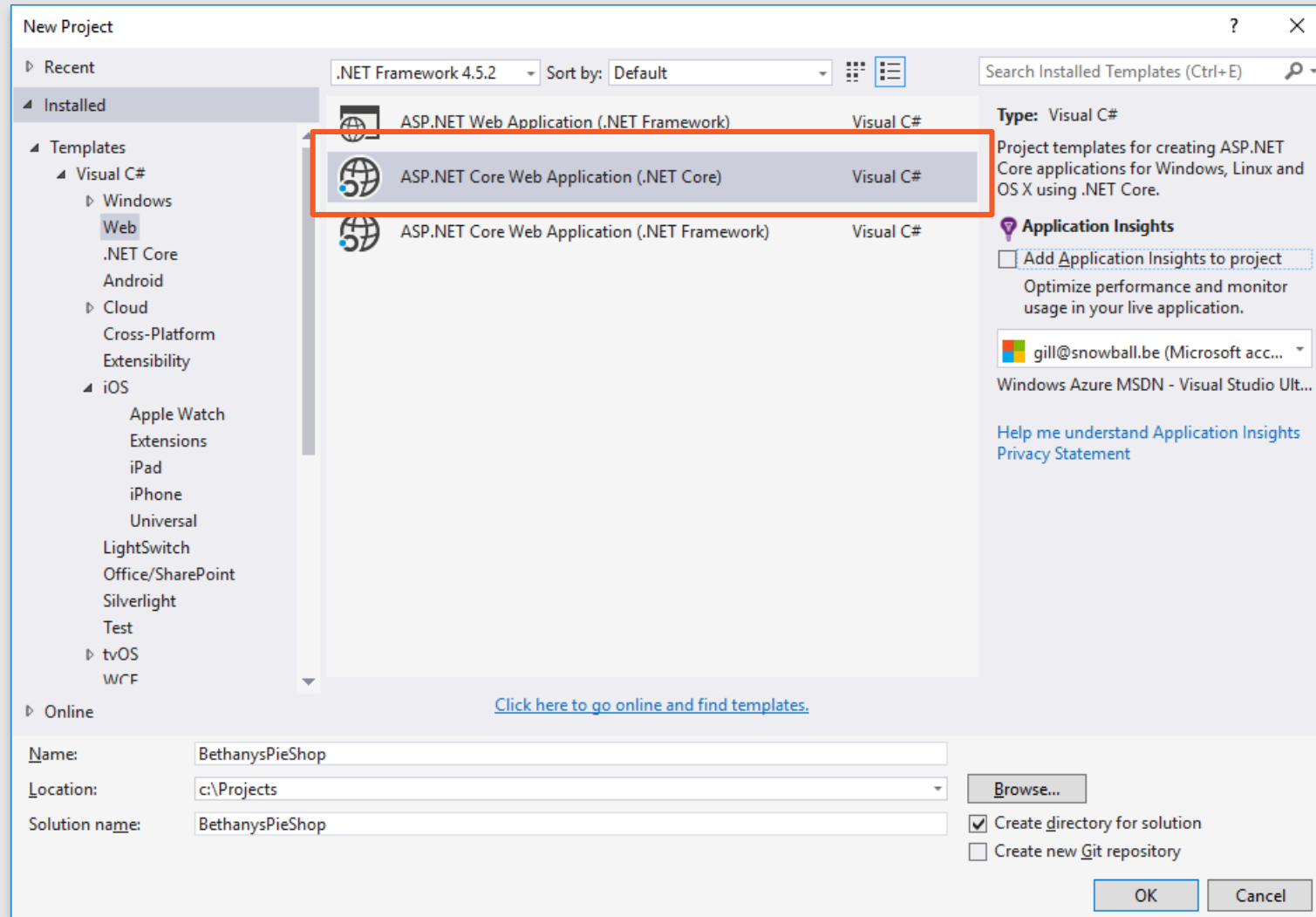


File → New Project

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# Project Creation



Select a template:

#### ASP.NET Core Templates



Empty



Web API




Web  
Application

An empty project template for creating an ASP.NET Core application. This template does not have any content in it.

[Learn more](#)

Change Authentication

Authentication: **No Authentication**

 **Microsoft Azure**



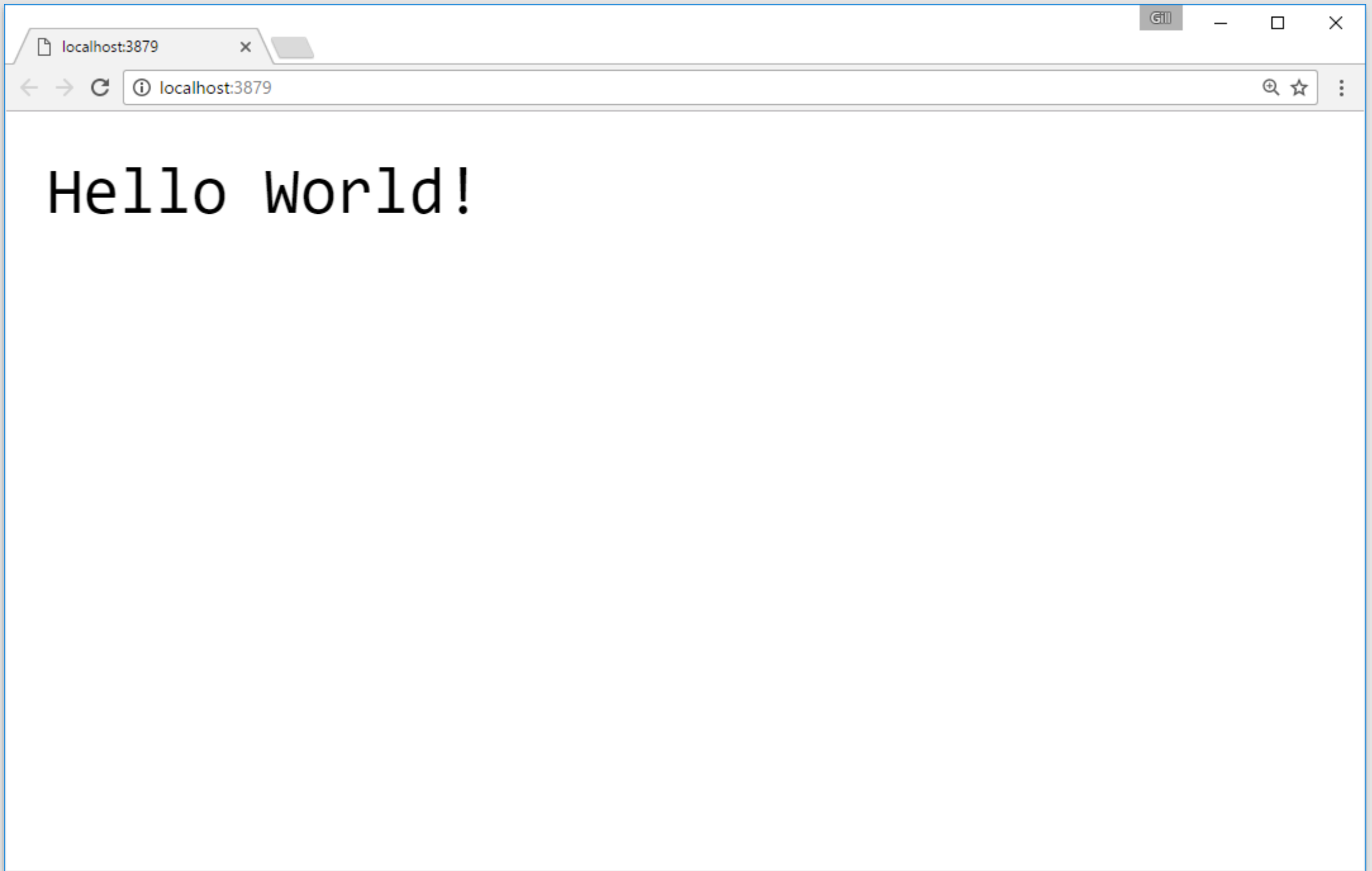
☐ Host in the cloud

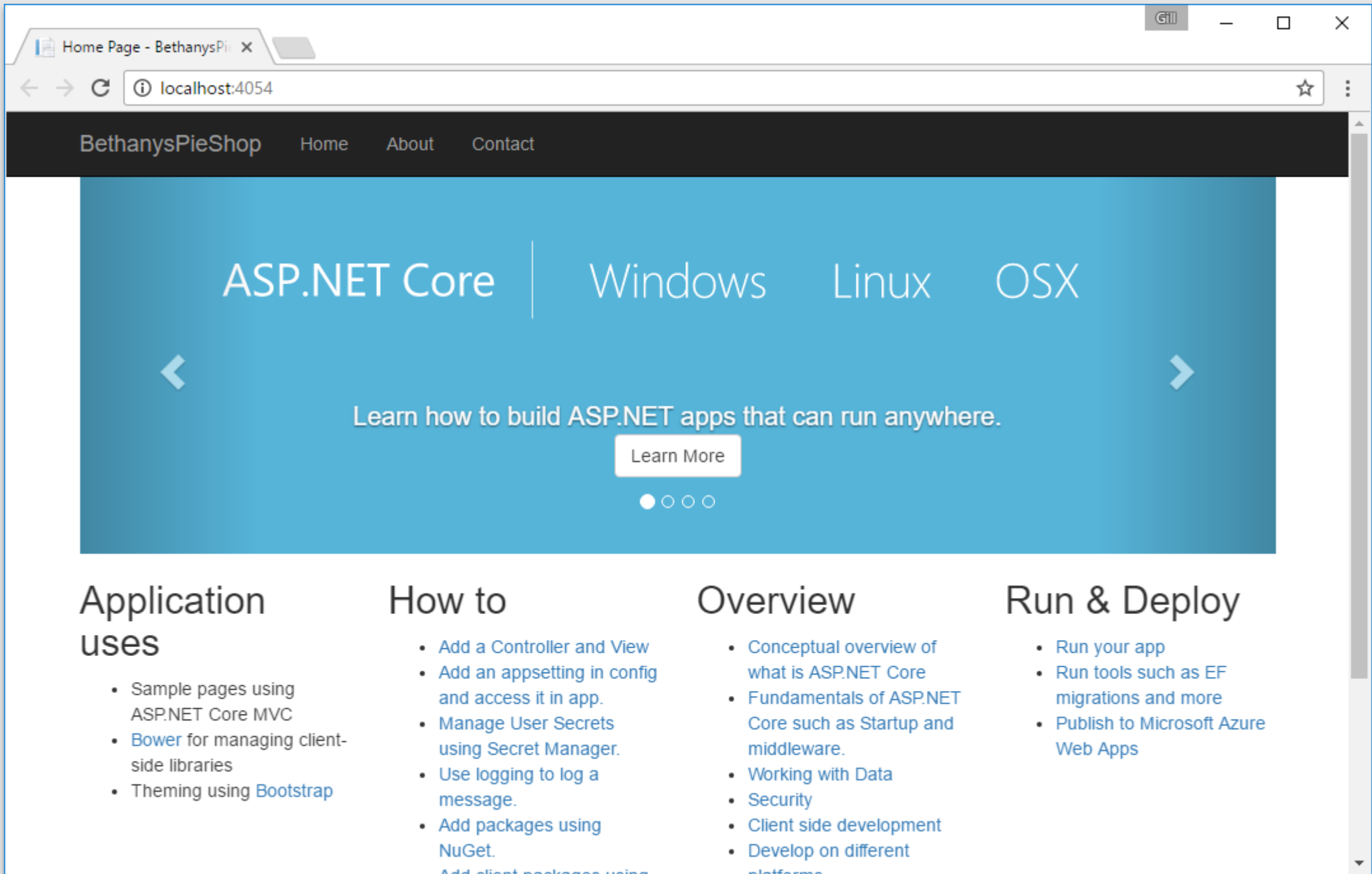
App Service

OK

Cancel







# Demo



## Creating the new solution



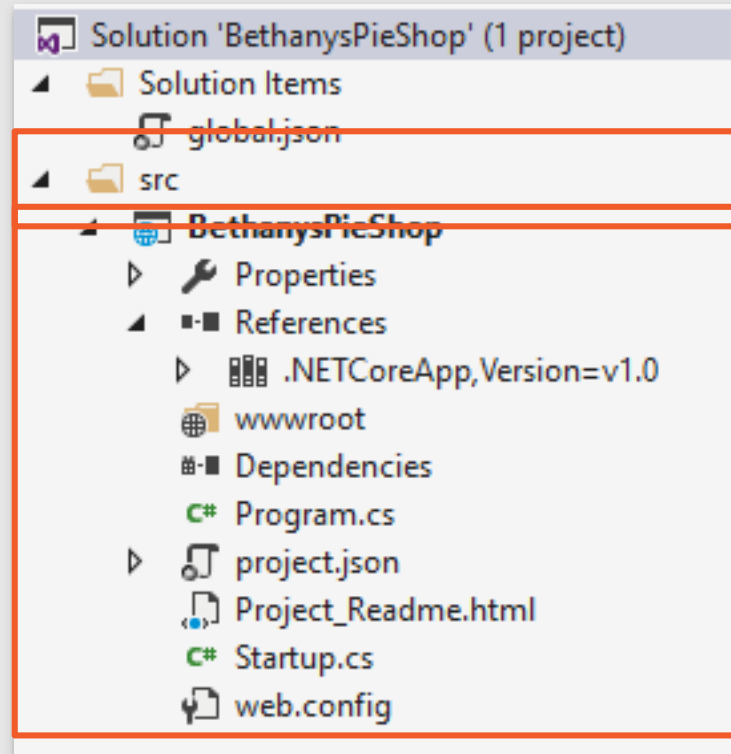


# Looking at the Project Structure

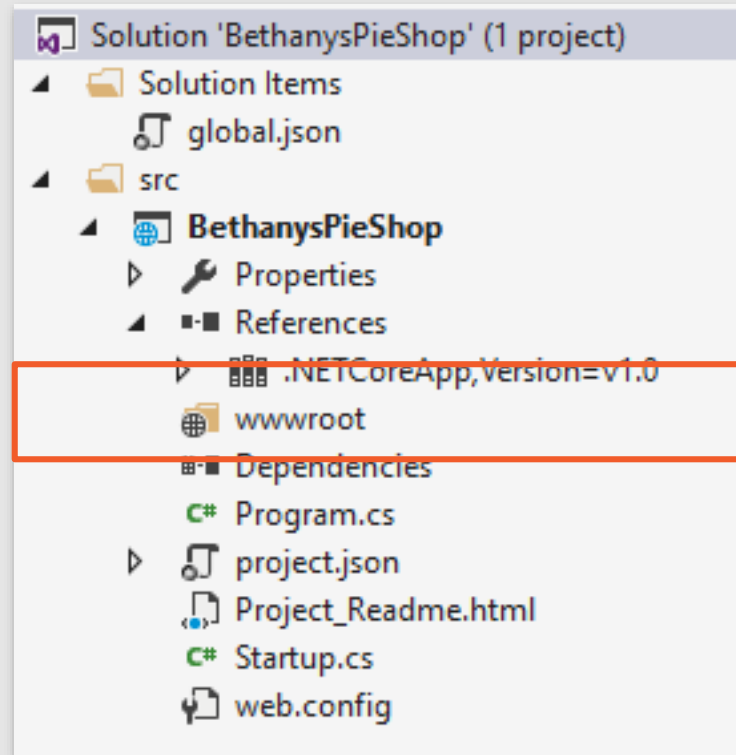
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# Project Structure



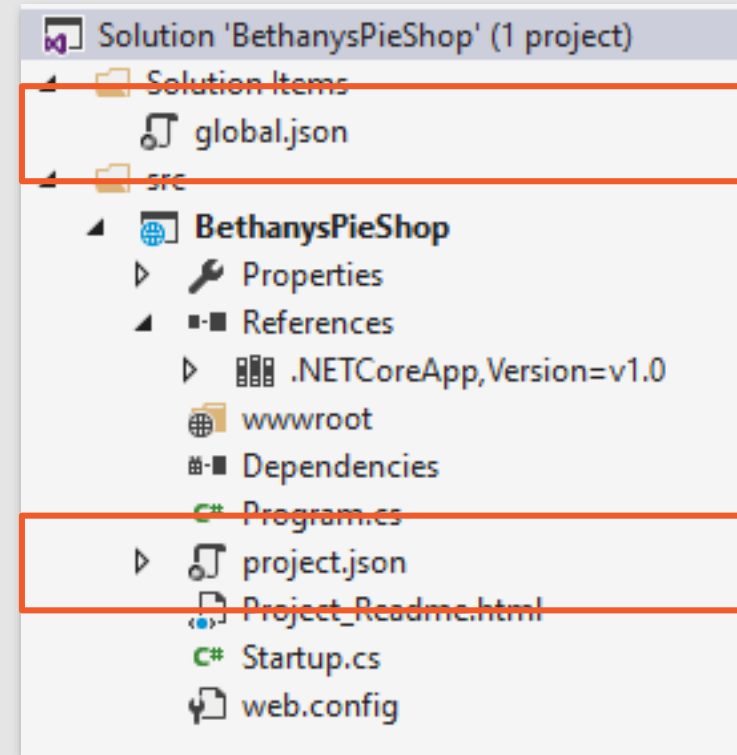
# The wwwroot Folder



# JSON Configuration

global.json

project.json



```
{
  "dependencies": {
    "Microsoft.NETCore.App": {
      "version": "1.0.1",
      "type": "platform"
    },
    "Microsoft.AspNetCore.Diagnostics": "1.0.0",
    "Microsoft.AspNetCore.Server.IISIntegration": "1.0.0",
    "Microsoft.AspNetCore.Server.Kestrel": "1.0.1",
    "Microsoft.Extensions.Logging.Console": "1.0.0"
  },
  "tools": {
    "Microsoft.AspNetCore.Server.IISIntegration.Tools": "1.0.0-preview2-final"
  },
```

```
  "frameworks": {
    "netcoreapp1.0": {
      "imports": [
        "dotnet5.6",
        "portable-net45+win8"
      ]
    }
  },

  "buildOptions": {
    "emitEntryPoint": true,
    "preserveCompilationContext": true
  },

  "runtimeOptions": {
    "configProperties": {
      "System.GC.Server": true
    }
  },
},|
```

```
  "publishOptions": {
    "include": [
      "wwwroot",
      "web.config"
    ]
  },
  "scripts": {
    "postpublish": [ "dotnet publish-iis --publish-folder %publish:OutputPath% --framework %publish:FullTargetFramework%" ]
  }
}
```



# Adding NuGet Packages

```
"dependencies": {  
  "Microsoft.NETCore.App": {  
    "version": "1.0.1",  
    "type": "platform"  
  },  
  "Microsoft.AspNetCore.Diagnostics": "1.0.0",  
  "Microsoft.AspNetCore.Server.IISIntegration": "1.0.0",  
  "Microsoft.AspNetCore.Server.Kestrel": "1.0.1",  
  "Microsoft.Extensions.Logging.Console": "1.0.0"  
}
```



# Adding NuGet Packages

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"dependencies": {  
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    "type": "platform"  
  },  
  "Microsoft.AspNetCore.Diagnostics": "1.0.0",  
  "Microsoft.AspNetCore.Server.IISIntegration": "1.0.0",  
  "Microsoft.AspNetCore.Server.Kestrel": "1.0.1",  
  "Microsoft.Extensions.Logging.Console": "1.0.0"  
  "Microsoft.AspNetCore.Razor.Tools": {  
    "version": "1.0.0-preview2-final",  
    "type": "build"  
  },  
  "Microsoft.AspNetCore.StaticFiles": "1.0.0",  
  "Microsoft.AspNetCore.Mvc": "1.0.1"  
}
```



# Adding NuGet Packages

```
"tools": {  
    "Microsoft.AspNetCore.Razor.Tools": "1.0.0-preview2-final",  
    "Microsoft.AspNetCore.Server.IISIntegration.Tools": "1.0.0-preview2-final"  
}
```





# Demo

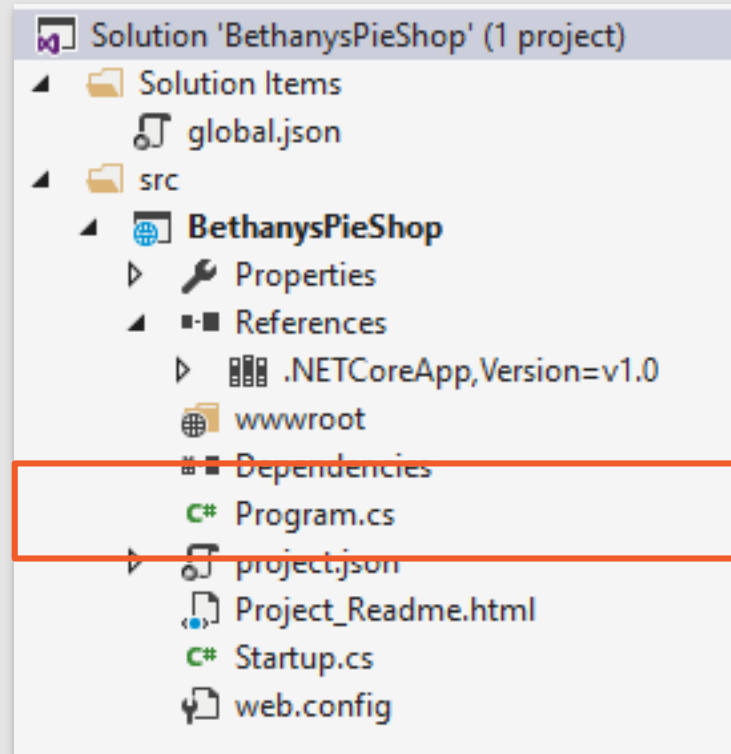


Exploring the generated project

Adding the correct NuGet packages



# Program.cs



# Program.cs

```
public class Program
{
    public static void Main(string[] args)
    {
        var host = new WebHostBuilder()
            .UseKestrel()
            .UseContentRoot(Directory.GetCurrentDirectory())
            .UseIISIntegration()
            .UseStartup<Startup>()
            .Build();

        host.Run();
    }
}
```

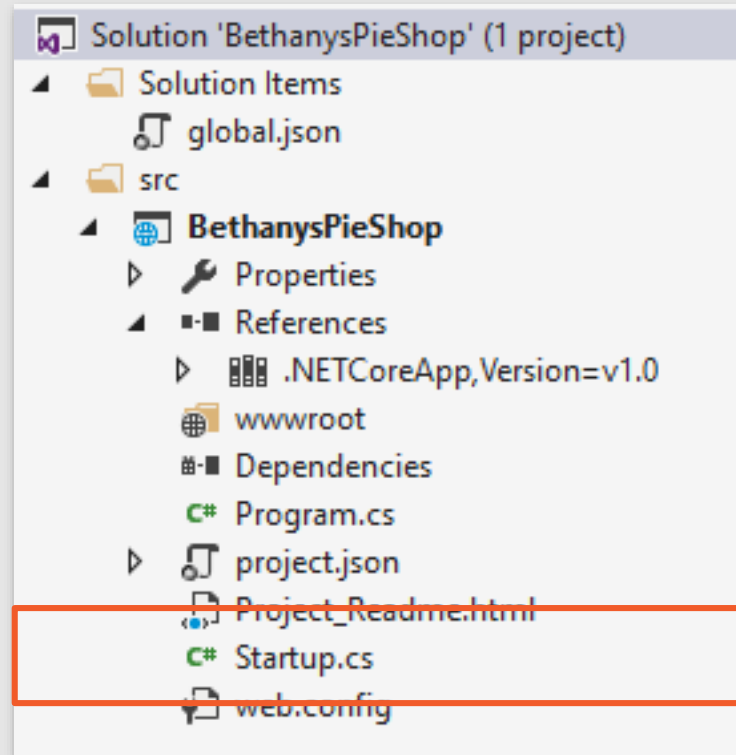


# Configuring the Application

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# Startup.cs



# Startup.cs

```
public class Startup
{
    public void ConfigureServices(IServiceCollection services) { }

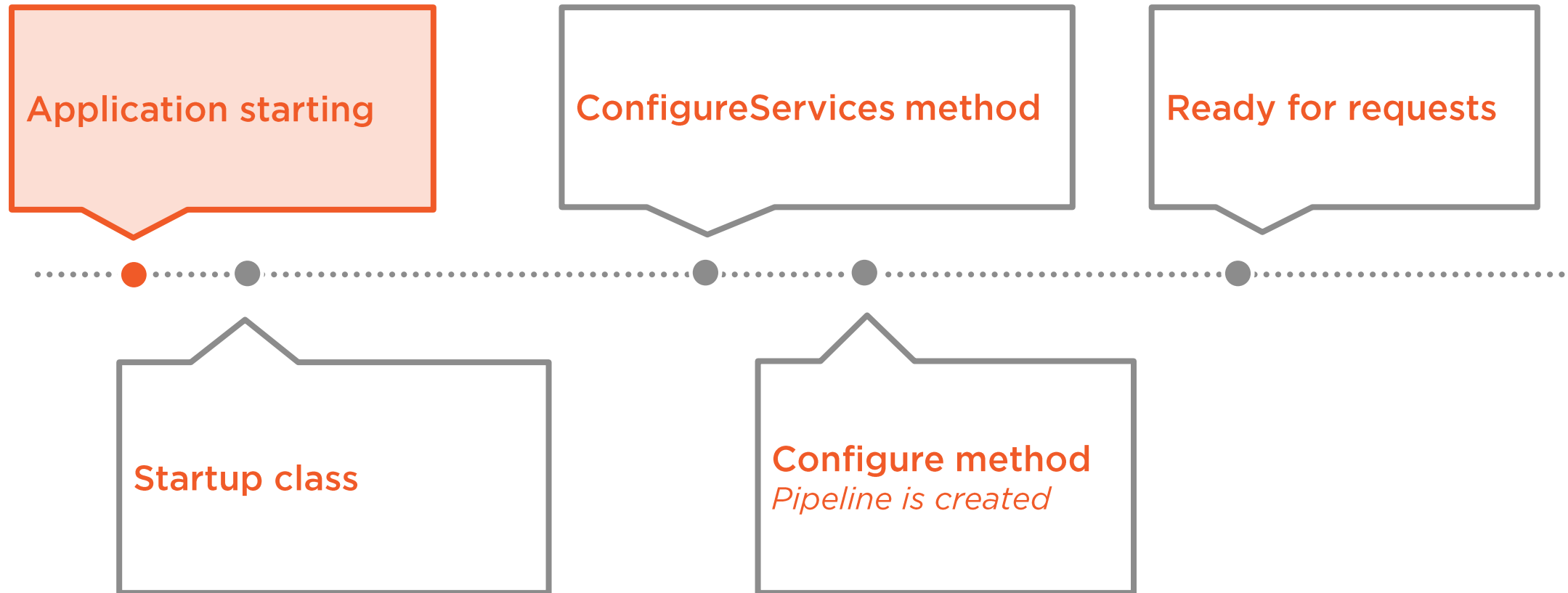
    public void Configure(IApplicationBuilder app, IHostingEnvironment env, ILoggerFactory loggerFactory)
    {
        loggerFactory.AddConsole();

        if (env.IsDevelopment())
            app.UseDeveloperExceptionPage();

        app.Run(async (context) =>
            { await context.Response.WriteAsync("Hello World!"); });
    }
}
```



# The Startup of the Application



# Configuring Our Application

```
public void ConfigureServices(IServiceCollection services)
{
    services.AddMvc();
}
```

```
public void Configure(IApplicationBuilder app, ...)
{
    app.UseDeveloperExceptionPage();
    app.UseStatusCodePages();
    app.UseStaticFiles();
    app.UseMvcWithDefaultRoute();
}
```





# Demo



## Configuring the application



# Summary



**Modular configuration**

**New project structure**

