

[ASP.NET Core 1.1](#) ▾

Version

2.2 Preview 2

2.1

2.0

1.1

1.0

Introduction to ASP.NET Core MVC on macOS, Linux, or Windows

📅 07/07/2017 ⌚ 2 minutes to read Contributors     

In this article

[Prerequisites](#)

[Create a web app with dotnet](#)

[Visual Studio Code help](#)

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This tutorial will teach you the basics of building an ASP.NET Core MVC web app using [Visual Studio Code](#) (VS Code). The tutorial assumes familiarity with VS Code. See [Getting started with VS Code](#) and [Visual Studio Code help](#) for more information.

This tutorial teaches ASP.NET Core MVC web development with controllers and views. Razor Pages is a feature of the ASP.NET Core MVC framework that makes building and testing web UI easier and more productive. You can use Razor pages alongside controllers and views in the same project.

We recommend you try the [Razor Pages](#) tutorial before the MVC/Controller/Views version. The Razor Pages tutorial:

- Is the preferred approach for new application development.
- Is easier to follow.
- Covers more features.

If you choose this tutorial over the [Razor Pages](#) version, let us know why in [this GitHub issue](#).

There are 3 versions of this tutorial:

- macOS: [Create an ASP.NET Core MVC app with Visual Studio for Mac](#)
- Windows: [Create an ASP.NET Core MVC app with Visual Studio](#)
- macOS, Linux, and Windows: [Create an ASP.NET Core MVC app with Visual Studio Code](#)


Prerequisites

Install the following:

- [.NET Core SDK 2.0 or later](#)
- [Visual Studio Code](#)
- [C# for Visual Studio Code](#)

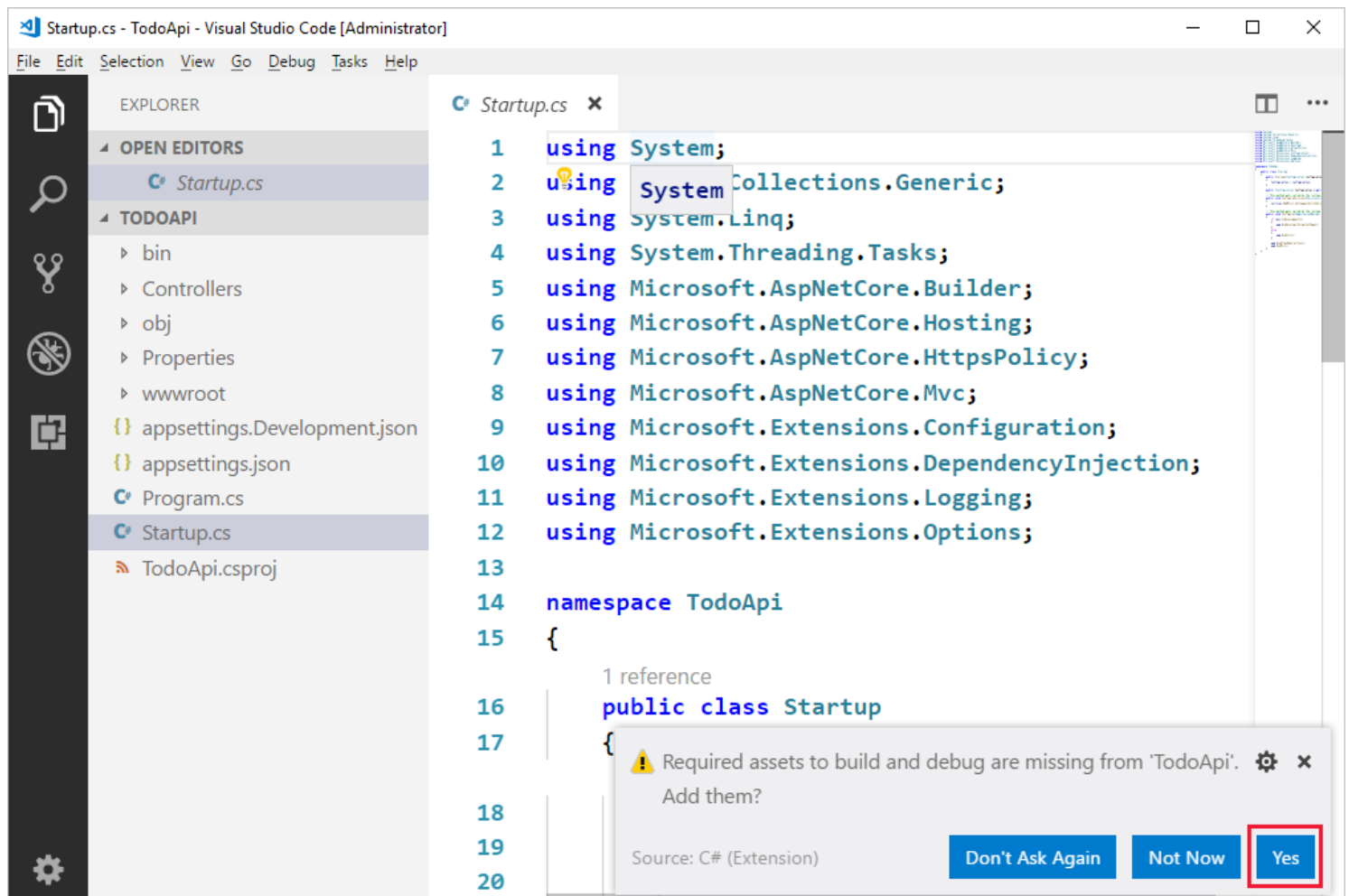
Create a web app with dotnet

From a terminal, run the following commands:

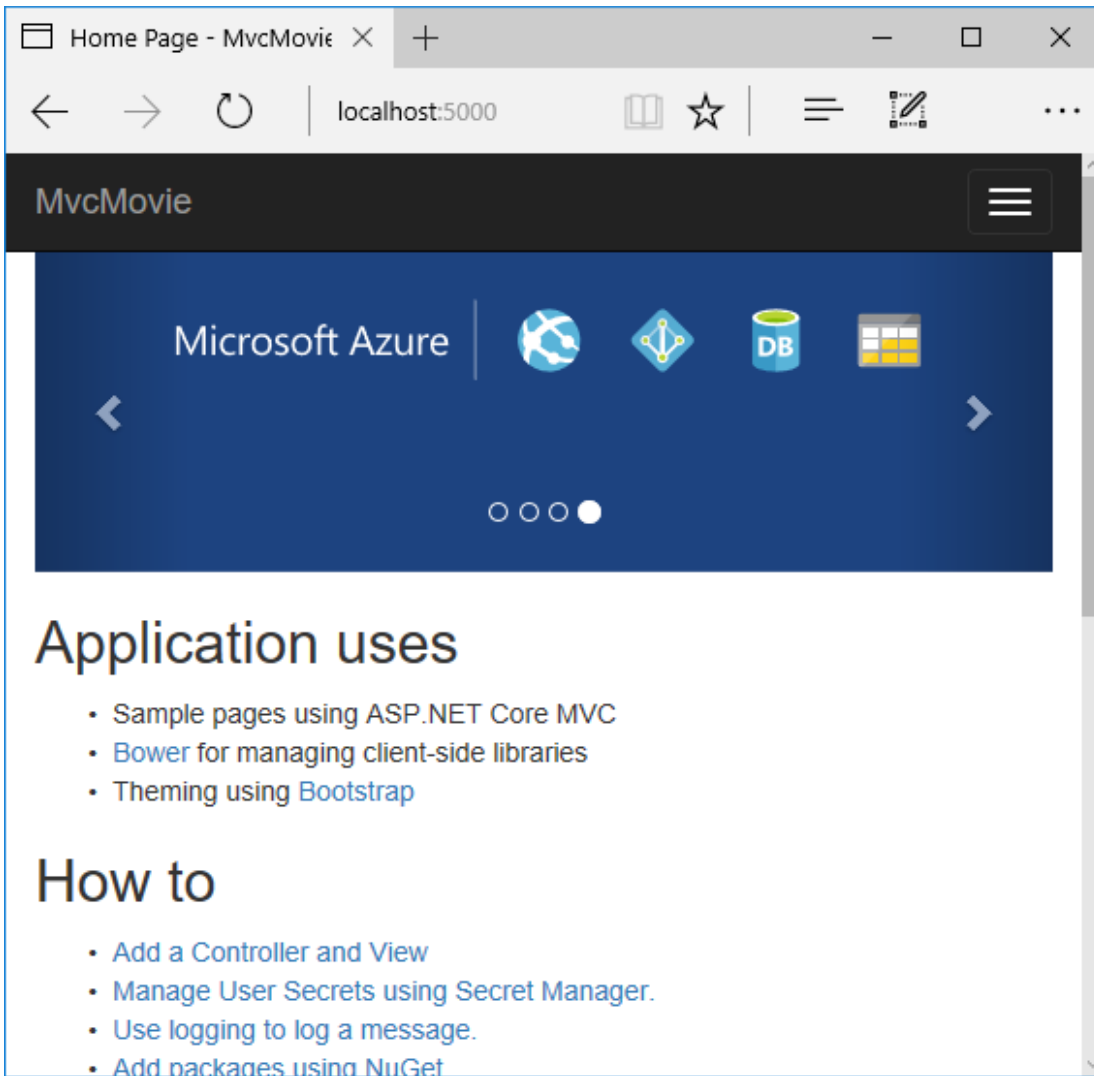
console	 Copy
<pre>mkdir MvcMovie cd MvcMovie dotnet new mvc</pre>	

Open the *MvcMovie* folder in Visual Studio Code (VS Code) and select the *Startup.cs* file.

- Select **Yes** to the **Warn** message "Required assets to build and debug are missing from 'MvcMovie'. Add them?"
- Select **Restore** to the **Info** message "There are unresolved dependencies".

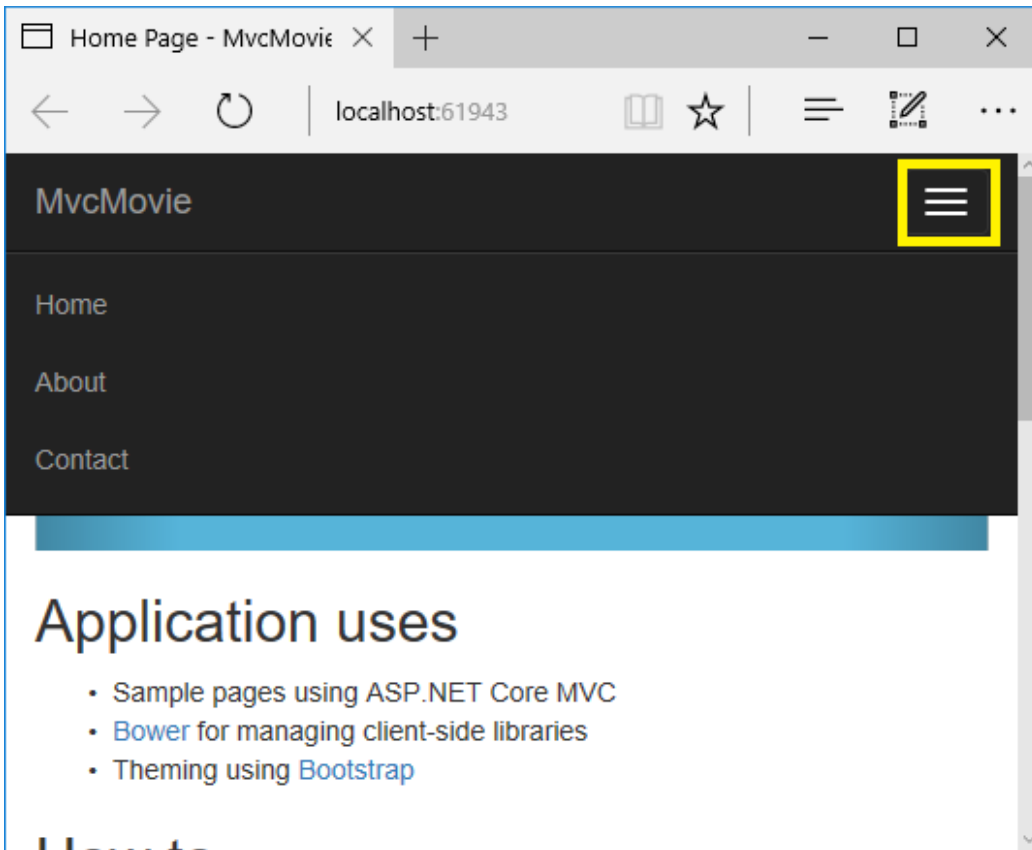


Press **Debug** (F5) to build and run the program.



VS Code starts the [Kestrel](#) web server and runs your app. Notice that the address bar shows `localhost:5000` and not something like `example.com`. That's because `localhost` is the standard hostname for your local computer.

The default template gives you working **Home**, **About** and **Contact** links. The browser image above doesn't show these links. Depending on the size of your browser, you might need to click the navigation icon to show them.



In the next part of this tutorial, we'll learn about MVC and start writing some code.

Visual Studio Code help

- [Getting started](#)
- [Debugging](#)
- [Integrated terminal](#)
- [Keyboard shortcuts](#)
 - [macOS keyboard shortcuts](#)
 - [Linux keyboard shortcuts](#)
 - [Windows keyboard shortcuts](#)

Next - Add a controller