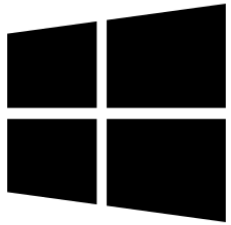
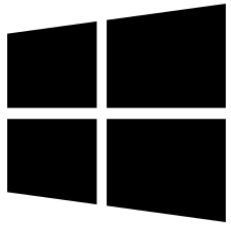
Learning Objectives



What You Will Learn In This Course

- ✓ ASP.NET Core
- ✓ MVC 6 (MVC & Web API)
- ✓ Entity Framework Core
- ✓ C# 6
- ✓ Deploying ASP.NET Core App

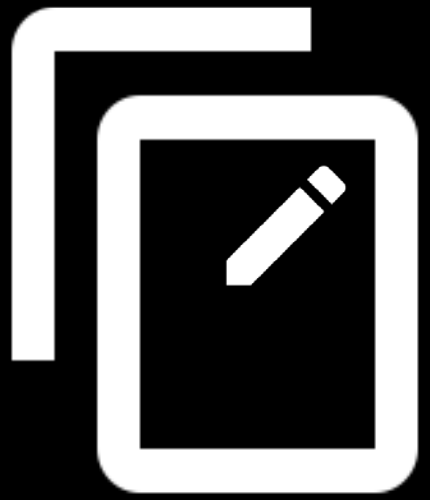
Course Overview

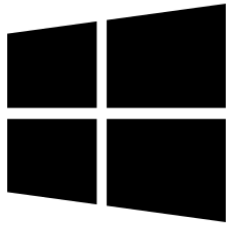


What is in this Course?

- ✓ Build an ASP.NET Core Web App
- ✓ Learn by following along
- ✓ Source Code
- ✓ Student Support

Topic Overview

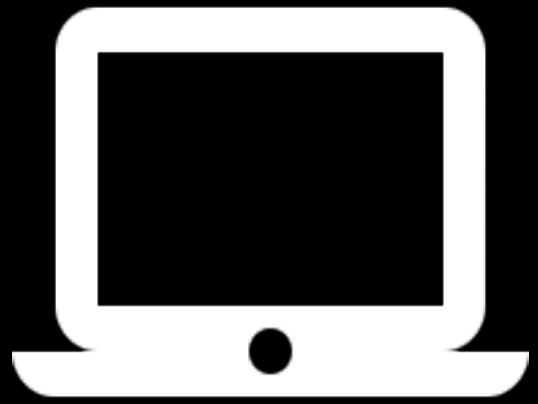


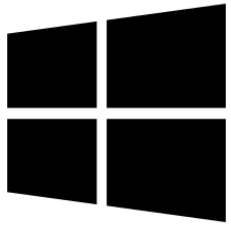


What will you learn in this course?

- ✓ ASP.NET Core & MVC6
- ✓ Entity Framework Core
- ✓ C# 6
- ✓ HTML5,CSS, JavaScript Basics
- ✓ Bootstrap

Technology Overview

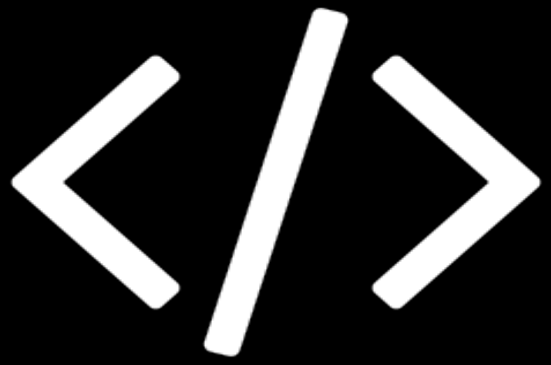


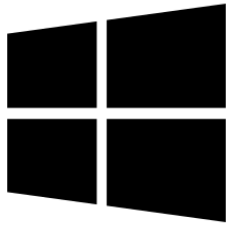


What technologies are used in this course?

- ✓ Visual Studio 2015 (Windows)
- ✓ Visual Studio Code (Mac OSX or Linux)
- ✓ ASP.NET Core
- ✓ Entity Framework Core
- ✓ Bootstrap

ASP.NET Renovated

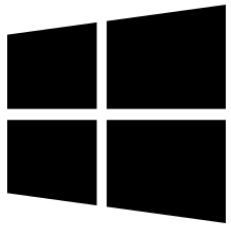




Why did Microsoft Renovate ASP.NET?

- ✓ Web Stack is Older
- ✓ Dependency on System.Web.dll (Unused Code)
- ✓ Machine Level Dependencies for the Upgrade Process
- ✓ App Performance tied to the speed of the device

ASP.NET Core



What is ASP.NET Core?

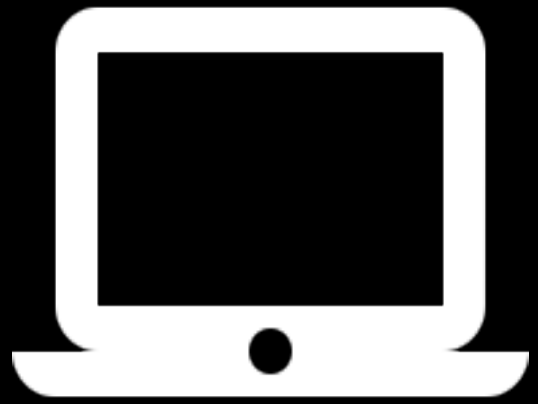
- ✓ Open-source and cross-platform framework for building modern cloud-based Web Apps in .NET
- ✓ Single Platform (MVC & Web API) & Open Source
- ✓ New Light-weight & Modular Request Pipeline
- ✓ Multiple Deployment & Hosting Environments

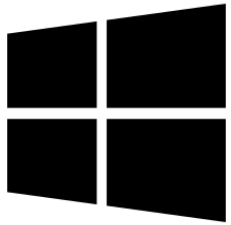
“

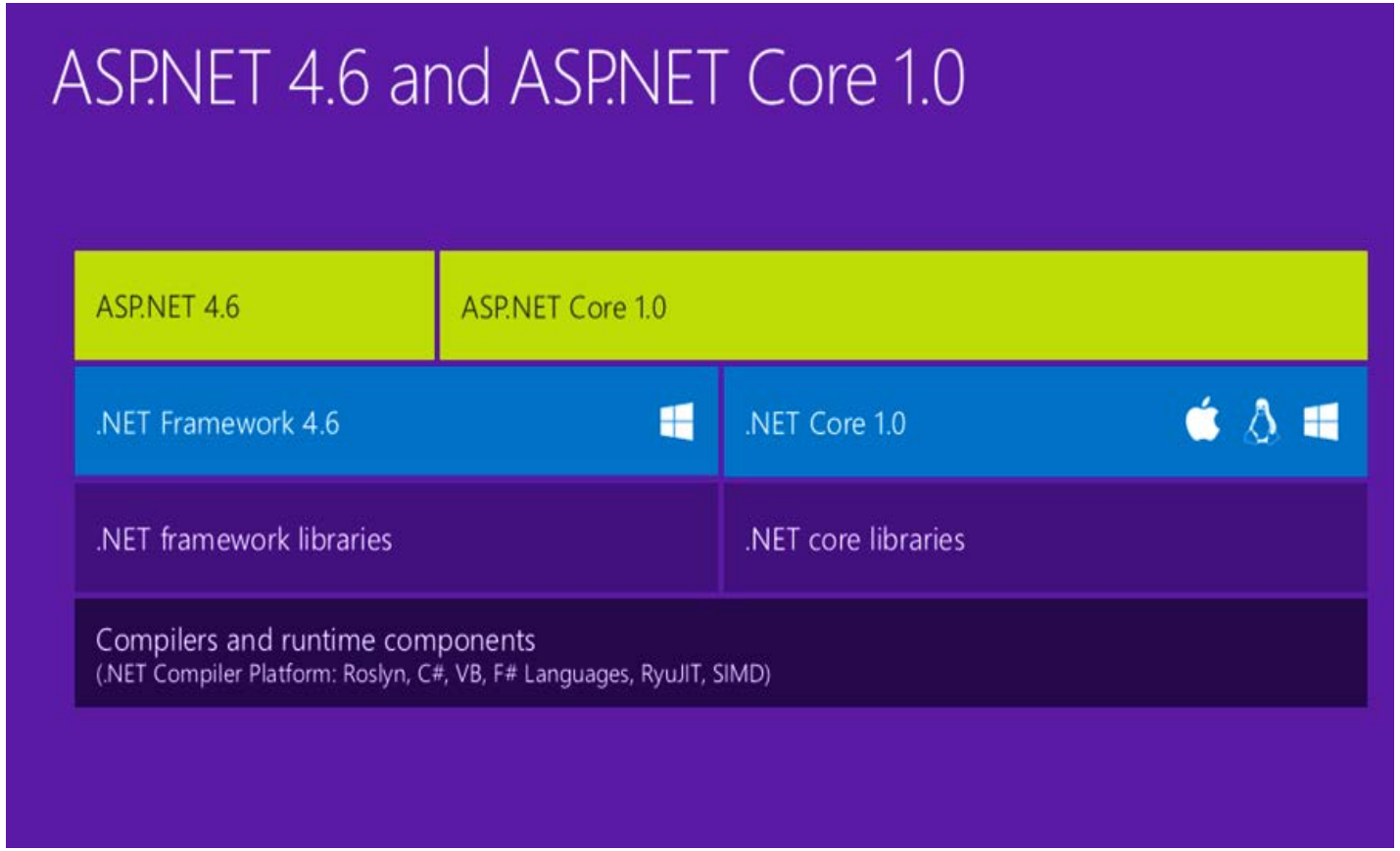
Web Forms Is Not Available in ASP.NET Core

”

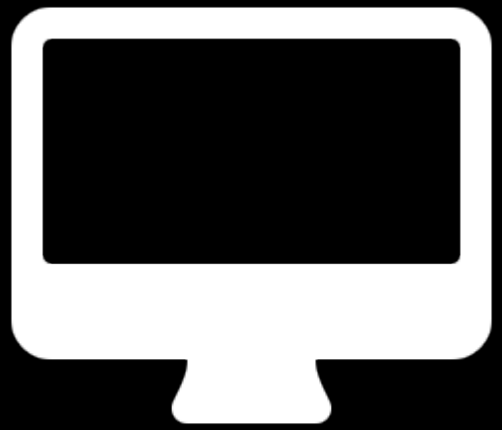
Frameworks

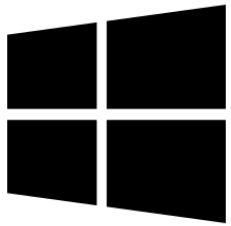


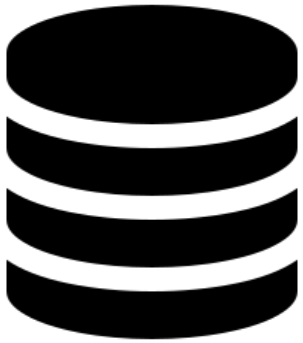


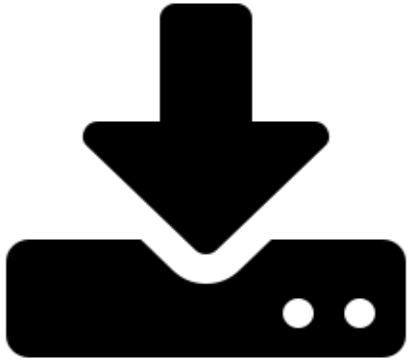

ASP.NET 4.6 and ASP.NET Core 1.0
ASP.NET 4.6
ASP.NET Core 1.0
.NET Framework 4.6
.NET Core 1.0
.NET framework libraries
.NET core libraries
Compilers and runtime components
(.NET Compiler Platform: Roslyn, C#, VB, F# Languages, RyuJIT, SIMD)

Package Overview







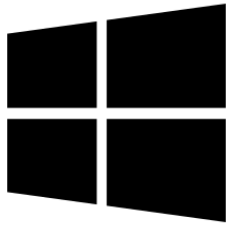


NuGet
Server-side
Packages

Bower
Client-side
Packages

NPM
Package Manager
Node.js

Summary



What did we cover in this section?

- ✓ ASP.NET Core Fundamentals
- ✓ Why learn ASP.NET Core
- ✓ Course Objectives
- ✓ On Deck: Software Installation