

Building Web Applications with ASP.NET Core MVC

INTRODUCTION



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Overview



What will you learn from this course?

What is ASP.NET Core?

Getting your machine ready



What Will You Learn from This Course?



This course will teach you how to
build your first
ASP.NET Core MVC application
using Visual Studio



How We Will Approach This Course



File → New Project...



Write some code...



And then, your first ASP.NET Core MVC site!



What You'll Learn in This Course

ASP.NET Core

MVC

New features

**Entity Framework
Core**

Validation

Security



What I Assume You Know



Basic HTML & CSS



C#



Affinity with web development





No ASP.NET MVC
knowledge is required
(although it can definitely help)





Existing ASP.NET MVC developers
can use this course to learn
what's new!





The Scenario: Bethany's Pie Shop

- Home page and pie list page
- Shopping cart
- Checkout form
- Authentication



Demo



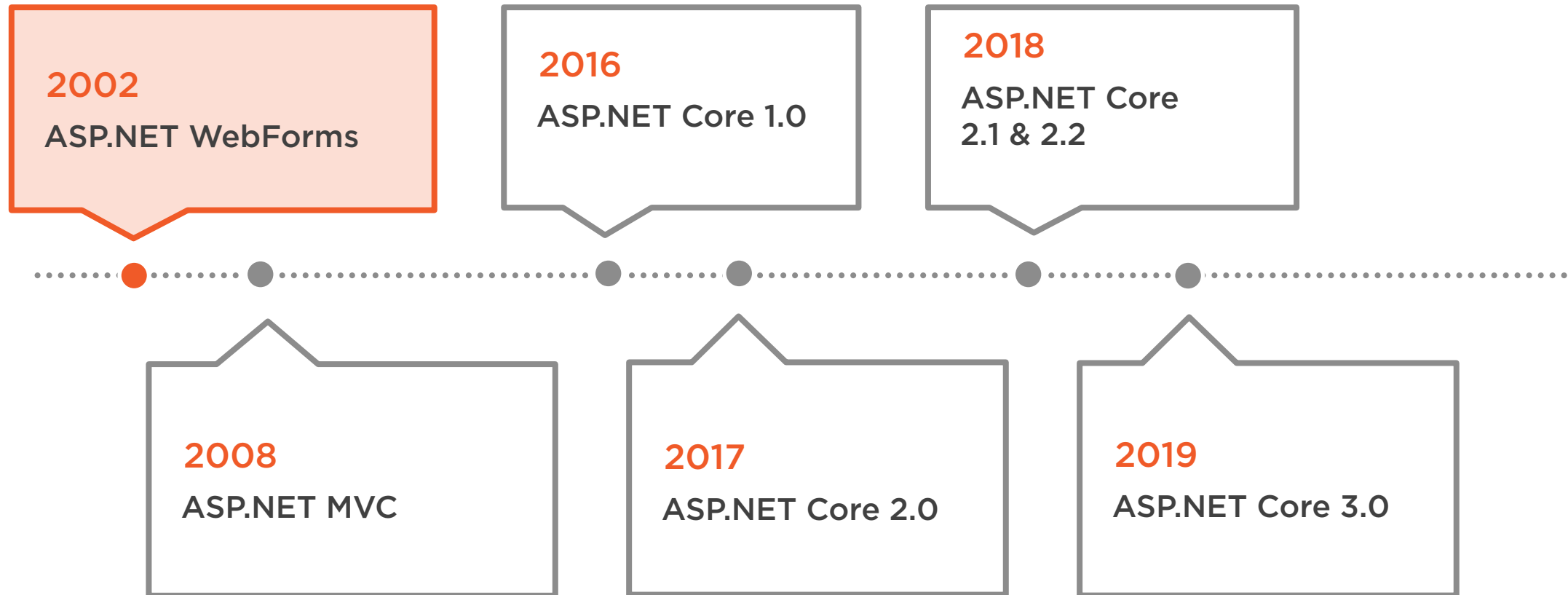
Taking a look at the finished application



What Is ASP.NET Core?



The Road to ASP.NET Core 3.0



Hello ASP.NET Core

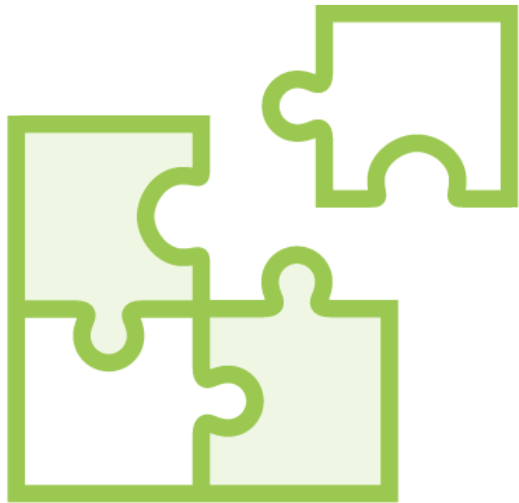
Built on .NET Core

Cross-platform

Not tied to .NET
framework



The MVC in ASP.NET Core MVC



Model-View-Controller

- Architectural pattern
- Separation of concerns
- Promotes testability and maintainability

We will explore MVC in
detail very soon



Covered Versions

ASP.NET Core 3

Used in this course

Most recent version

Demos available in downloads

ASP.NET Core 2.1

LTS version

Differences highlighted

Demos available in downloads





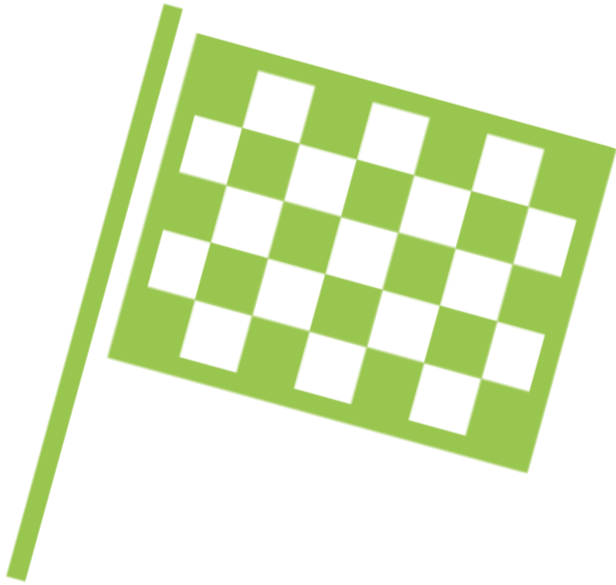
Pages framework

- Not covered in this course

Getting Your Machine Ready



Getting Started on Windows



Visual Studio

- 2019 is required for ASP.NET Core 3

A browser



Alternatives (Windows, Mac, & Linux)

Visual Studio Code with C# plugin

OmniSharp-ready editor

- Atom
- Sublime
- Vim
- ...



Demo



Getting up and running for this course



Summary



ASP.NET Core MVC is the next step for ASP.NET

Cross-platform web development is a reality





Up next:
Setting up and configuring our site

