

### 03 | The Power of Visual Studio

## Module Overview

- Scaffolding
- Entity Framework
- Visual Studio Web Tools

### Scaffolding

## Scaffolding

- Generates controllers and views based on models
- Built with common ASP.NET Scaffolding system

## Entity Framework

Entity Framework (EF) is an object-relational mapper that enables .NET developers to work with relational data using domain-specific objects. It eliminates the need for most of the data-access code that developers usually need to write.



Entity Framework

A diagram consisting of two adjacent horizontal rectangles. The left rectangle is light gray and contains the text 'Entity Framework'. The right rectangle is dark gray and is empty.

## Entity Framework

- Context
- Code First
- Relations / Foreign Keys
- Seed method
- Migrations



Visual Studio Web Tools

A diagram consisting of two adjacent horizontal rectangles. The left rectangle is light gray and contains the text 'Visual Studio Web Tools'. The right rectangle is dark gray and is empty.

## Visual Studio Web Tools

- Browser Link
- Zen Coding
- IntelliSense
  - jQuery
  - Angular
  - Knockout
  - Etc.
- VS Web Essentials
- Side Waffle