

Untangle Your Front End Development with Visual Studio 2015

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Questions? @scottheckel



Visual Studio 2015

WHAT'S NEW?



ASP.NET 5 and the Core-CLR

ASP.NET 5

Unified framework for MVC, Web API and SignalR

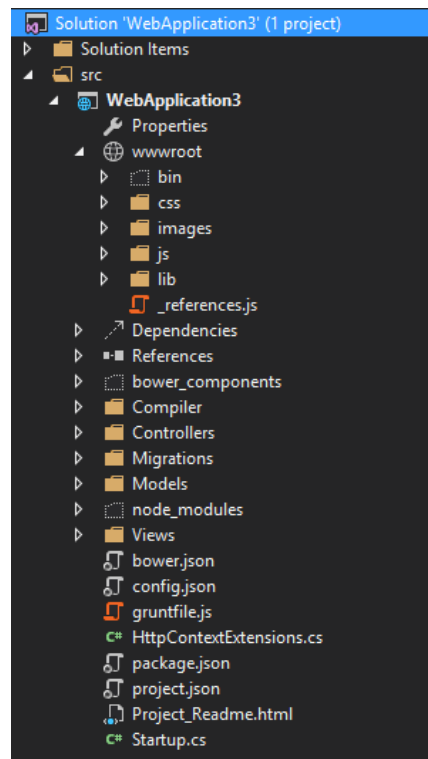
.NET Framework 4.6 stack and libs

Full .NET Framework for any scenario and library support

.NET Core 5 stack and libs

Small runtime optimized for server and cloud workloads

New Web Project Structure



Embracing Front End Tooling



The Package Managers

INSTALL AND UPGRADE YOUR DEPENDENCIES





- For C# Dependencies
- Reside in...
 - project.json
 - References



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- For Node.js Dependencies
 - Reside in...
 - package.json
 - Dependencies -> NPM



- For Front-End Dependencies
- Reside in...
 - bower.json
 - Dependencies -> Bower

The Build/Task Tools

AUTOMATE, COMPILE AND TRANSFORM



The Build/Task Tools

- MSBuild
- Grunt - Tasks
- Gulp.js - Streams

Semantic Versioning

Major.Minor.Patch

0.1.0

1.0.5

Semantic Versioning

Initial Development Version?

0.x.x

Public

1.0.0


Semantic Versioning

- Fix a bug & backwards compatible?
 - Patch Bump
- Add functionality & backwards compatible?
 - Minor Bump
- Backwards Incompatible?
 - Major Bump

Semantic Versioning

- 1.0.3
- $\geq 1.0.3$
- $\sim 1.0.3$
- 1.0.x
- 1.x
- *

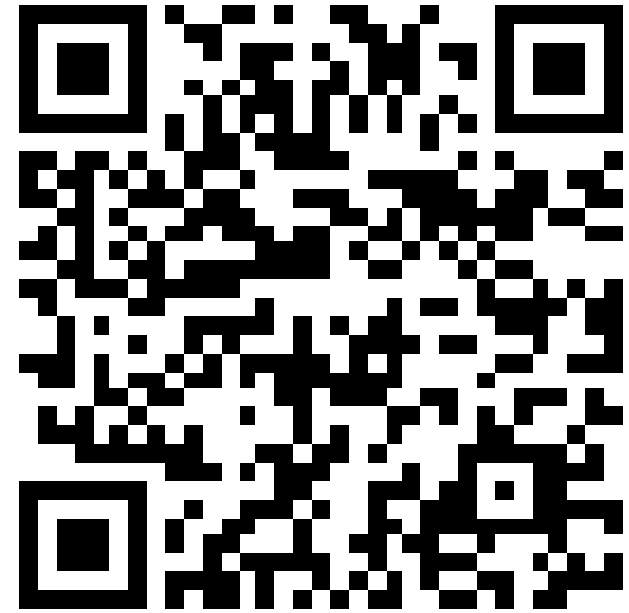
NPM Packages

- Grunt
 - Grunt-Bower-Task
 - Grunt-Contrib-Uglify
 - Grunt-Sass
 - Load-Grunt-Config
- 
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Bower Packages

- Bootstrap
- Bootstrap-sass
- jQuery
- jQuery-Validation
- jQuery-Validation-Unobtrusive
- Hammer.js
- Bootstrap-Touch-Carousel
- Underscore

Questions?



[HTTP://GITHUB.COM/SCOTTHECKEL/TALKS/UNTANGLEFRONTEND](http://github.com/scottheckel/talks/untanglefrontend)

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