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DotVVM on .NET Core

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DotVVM

- Open source framework for modern web apps
- **“No need to write boring JavaScript code”**
- Rapid App Development
- Visual Studio 2015 Integration
- Supports both Full .NET and .NET Core

DotVVM

- Model-View-ViewModel
- KnockoutJS on the background
- View
 - HTML syntax
 - Server controls `<dot:Button>`
 - Data-binding `{value: SomeProperty}`
- ViewModel
 - C# class
 - Properties representing the state of the page
 - Commands that can be invoked from the page



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DEMO

Simple App in DotVVM

Features

- Less than 50kB of minified JS in production
- Integrates with Model Validation
- Date & number formatting
- Localization
- Single Page Applications
- More than 20 built-in controls
 - GridView, FileUpload, Repeater...



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Sample App

DotVVM Dynamic Data

- Scaffolding UI from Data Annotation Attributes
- `Display(Name = "First Name", Order = 1, Group = "Basic")`
- `<dot:DynamicEntity />`
- <https://github.com/riganti/dotvvm-dynamic-data>

Mono Support

- Self-hosting OWIN
- <https://www.dotvvm.com/blog/8/Running-DotVVM-with-Mono-on-Raspberry-PI-Build-Your-Own-Weather-Station>



Selenium Test Helpers

COMING SOON



- Writing and maintaining UI tests is hell
 - Plenty of code
 - Choosing the right selectors to identify controls
 - The UI changes can break the tests
- DotVVM CLI can generate test helpers
 - Simple UI test syntax
 - Compile-time checks

Other Features **COMING SOON**

- Web API support
 - `<dot:GridView DataSource="{value: _api.orders.get(Filters)}" />`
- DotVVM CLI
 - Create project, page or viewmodel using command-line interface
 - Helps to integrate DotVVM in other text editors and IDEs

Current Status

- **DotVVM 1.0**

- .NET Framework 4.5.1 + OWIN
- Production-ready

- **DotVVM 1.1-alpha**

- .NET Core Support
- Some breaking changes in code right now
- In **beta**, they'll be gone

Commercial Extensions

- **Bootstrap for DotVVM**
 - 40 Bootstrap widgets
 - Data-binding support
 - IntelliSense
- **DotVVM Pro** for Visual Studio 2015
 - IntelliSense for everything
 - Design-time error checking
- **DotVVM Business Pack** **COMING LATER THIS YEAR**
 - Commercial controls for LOB applications
 - AutoComplete, Templated ComboBox, WYSIWYG editor, advanced GridView

@dotvvm

WE NEED YOUR FEEDBACK

dotvvm.com

<https://github.com/riganti/dotvvm>



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