

Telerik Kendo UI

Kendo UI

Intro, Comparison to AngularJS



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Which Way to Go?

- ▶ Lots of JavaScript frameworks for UI development available

No standard JavaScript library

jQuery is a de-facto standard and basis for nearly all other UI frameworks

- ▶ Open source or commercial?

Will AngularJS be the winner?

- ▶ Enter Telerik Kendo UI

Another JavaScript UI Framework

Just a bunch of nice controls?

Should you consider it?

- ▶ Let's talk about this option ...

Introducing Kendo UI

What's in the box?

Kendo UI Facts

- ▶ **Kendo UI is much more than just controls**

End-to-end framework for web and mobile development based on HTML/JavaScript
Overlapping with AngularJS
Part of [The Telerik Platform](#)

- ▶ **Previously commercial, now partly open source**

[Kendo UI Core](#) is open source
Commercial license [Kendo UI Pro](#) available

- ▶ **Core vs. Pro – What's the Difference?**

Core contains framework components and basic (but powerful) set of controls
Pro contains the big and powerful controls like grid, scheduler, charts, etc.
See [comparison matrix](#)

Structure of Kendo UI Core

▶ Framework

MVVM with data binding and validation
Single Page Apps (SPA) with routing, template engine, etc.
Animations (FX)
Globalization

▶ Web and Mobile Controls

Pro edition contains advanced web controls

▶ Data Visualization (only Pro)

Charts, barcodes, maps, etc.

▶ Other goodies

Typescript type definitions
Themes, theme builder
Wrappers for ASP.NET, PHP, JSP

Demo

Kendo UI

Themes

[Theme Builder](#)

Bootstrap integration ([GitHub](#))

„[Sushi](#)“ mobile sample app

Kendo UI vs. AngularJS

Comparison

The Obvious

- ▶ **AngularJS is 100% open source, Kendo UI is not**
Only Kendo UI Core is open source
In complex project you will probably need the Pro version
- ▶ **Kendo UI has powerful built-in controls**
Telerik has a long and successful track record concerning controls
For AngularJS you need companion projects [AngularUI/Mobile Angular UI](#) for controls
- ▶ **AngularJS is widely used**
Huge user base for AngularJS
Dedicated AngularJS support in latest updates of Microsoft Visual Studio

Programming Differences

- ▶ Different approaches for MV*

AngularJS: Compare controller scope and detect changes

Kendo UI: *ObservableObject* base class

- ▶ Entirely different data binding mechanisms

- ▶ Different routing system for SPAs

AngularJS: `$route`, `$location`, etc.

Kendo UI: `kendo.Router`

What's Unique in AngularJS compared to Kendo UI

- ▶ **Powerful built-in dependency injection**
Controllers, factories, services, values, etc.
- ▶ **Modules for server communication**
\$http, \$resource, etc.; Kendo UI relies on jQuery
- ▶ **Promise API**
\$q; Kendo UI relies on jQuery
- ▶ **Framework for building custom HTML directives**

What's Unique in Kendo UI compared to AngularJS

- ▶ Controls, Controls, Controls
- ▶ Powerful OData support
Even for complex data binding scenarios (e.g. server-side filtering with *AutoComplete*)
- ▶ Typescript type definition provided by vendor
AngularJS: [DefinitelyTyped](#), maintained by community

Demo

Kendo UI

Routing ([GitHub](#))

Data Binding with OData
support ([GitHub](#))

MVVM ([GitHub](#))
With TypeScript ([GitHub](#))

Where to Go?

How to choose?

Where to Go?

- ▶ Favor Angular if you want 100% open source
Consider Kendo UI especially in commercial projects where you need pro support
- ▶ Favor Kendo UI if you primarily need powerful controls
You get a web development framework, too
Consider using OData for your REST API
- ▶ Coexistence? Possible, but ...
... be prepared for some fiddling around with integration issues

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Q&A

Thank your for coming!



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