KendoUI for jQuery
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Make Software a competitive advantage

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References are available upon request.
Say NO to the slow and painful DEATH BY POWERPOINT
Agenda

- jQuery
- UI
- Components
- Data Source
- Templates
Document Object Model (DOM)

Root element: `<html>`

- `<head>`
  - `<title>` Text: "My title"
- `<body>`
  - `<h1>` Text: "A heading"
  - `<a>`
    - Attribute: `href`
    - Text: "Link text"
Simplifies document traversal and manipulation, event handling, animation, and Ajax with an easy-to-use API
• Been around since 2006
• Used by 73% of the top 100k sites
• Open Source
• Simple and easy to use
• Extensive browser support
A Brief Look

<button class="continue">Click</button>

$\$('button.continue'\$).text('Next Step...');

$\$('button.continue'\$).on('click', function(event) {
    hiddenBox.show();
});
$.ajax({
url: '/api/getWeather',
method: 'GET',
data: {
    zipcode: 97201
},
success: function(result) {
    $('#weather-temp').text(result + ' degrees');
}
});
jQuery Plugins
How jQuery works

$('section').css('color', 'red');
How jQuery works

```javascript
$('section').css('color', 'red');
```
How jQuery works

```javascript
$('section').css('color', 'red');
```
A jQuery plugin is simply a new method that extends jQuery's prototype object.
Implementing a custom jQuery plugin.
KendoUI

A complete JavaScript UI component library that allows you to quickly build web apps using your framework of choice.
UI Components
Kendo UI Components are simply jQuery plugins.

```javascript
$('#menu').kendoMenu();
```
Live Demo

{Data Source}

An abstraction for using local or remote data.
presentation ≠ data
Retrieve from a remote endpoint
Maintain the data type and the structure
Process serialization formats to and from an endpoint
Synchronize CRUD operations
Maintain an in-memory data caching
Provide query mechanism via filter expressions
Handles sorting, paging, grouping and aggregates
Data Source

UI Widget
Shared Data Source

Data Source

Widget 1

Widget 2
{Live Demo}

NOT SURE IF TRICK

SHOW ME THE DEMO
Templates

Data → Template Engine → Result Page
{Syntax}

Render values as raw HTML:

```text
#: value #
```

Display HTML encoded values:

```text
#: value #
```

Execute arbitrary JavaScript code:

```text
# if(true) { # "Non-script content..." # } #
```
// compile
var template = kendo.template('<span>#: message #</span>');

// render
$$('#container').html(template({ message: 'Hello Kendo!' }));
<div id="container"></div>
<script id="externalTemplate" type="text/x-kendo-template">
  <ul>
    # for (var i = 0; i < collection.length; i++) { #
      <li>#: collection[i] #</li>
    # } #
  </ul>
</script>

// compile
var template = kendo.template($('#externalTemplate').html());
// render
$('#container').html(template({ collection: [0, 1, 2, 3, 4, 5] }));
Escaping

var templateWithHashSymbol = '<span> #: value # \# </span>' ;
Templates in Kendo are rendered using string concatenation by executing pure JavaScript code. For maximum performance they should be compiled with the following flag set to false:

```javascript
kendo.template('<p> #: message #</p>', { useWithBlock: false });
```
Live Demo

Kendo UI Theme Builder
Using JSDO with Kendo UI

When JS developers argue about which framework is the best.
KendoUI Supports

jQuery
Angular
React
Vue
JSP
ASP.NET MVC
ASP.NET Core
PHP
Northwind Dashboard

demos.telerik.com/aspnet-mvc/html5-dashboard-sample-app/
github.com/telerik/kendoui-northwind-dashboard
{Learning Resources}

docs.telerik.com/kendo-ui/
demos.telerik.com/kendo-ui/
github.com/telerik/kendo-ui-core
telerik.com/support/whats-new/kendo-ui/roadmap
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Questions?
Thank You!

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