Web Widgets

Keith Burnell

@keburnell

Agenda

- **What are web widgets?**
- **Basic usage**
- **Configuration**
- **Event binding**
- **Styling**
- **Complex UI widget: Grid**

What are Web Widgets?

- HTML5 controls
- Based on jQuery Core
- For web and touch-enabled desktop development
- Built for performance

Available Web Widgets?

- AutoComplete
- Calendar
- ComboBox
- DatePicker
- DateTimePicker
- DropDownList
- Editor
- Grid
- ListView
- Menu
- NumericTextBox

- PanelBar
- Slider
- Splitter
- TabStrip
- TimePicker
- TreeView
- Upload
- Window

Examples

- **Extensive examples**
- **demos.kendoui.com/web**
- **/examples**

Usage

1. **Markup**

```
<input id ="dateOfBirth"/>
```

2. **Initialize**

```
<script type="text/javascript">
    $(document).ready(function () {
        $("#dateOfBirth").kendoDatePicker();
    });
</script>
```

Declarative Initialization

1. **Markup**

```html
<input id="dateofBirth" data-role="datepicker"/>
```

2. **Initialize**

```html
<script type="text/javascript">
    $(document).ready(function () {
        kendo.init($("#dateofBirth"));
    });
</script>
```

Configuration

- **JSON-formatted settings**

```
$("#dateofBirth").kendoDatePicker(
    {format: "yyyy/MM/dd"}
);
```

- **Data attributes**

```
<input id="dateofBirth" data-role="datepicker" data-format="yyyy/MM/dd"/>
```

DataSource Configuration

```html
<input id="colorPicker" />

<input id="shapePicker" data-role="combobox"
    data-source='["Circle", "Oval", "Rectangle", "Square"]' />

<script type="text/javascript">
    $(document).ready(function () {

        $("#colorPicker").kendoComboBox({
            dataSource: ["Blue", "Green", "Red", "Yellow"]
        });

        kendo.init($("#shapePicker"));
    });
</script>
```

Event Binding

```
<input id="colorPicker" />
<input id="shapePicker" data-role="combobox"
    data-source='["Circle", "Rectangle"]' data-change="onShapeChange" />
<input id="sizePicker" data-role="combobox" data-source='["Small", "Large"]'/>
<script type="text/javascript">
    function onColorChange(e) { alert('Color Change!'); }
    function onShapeChange(e) { alert('Shape Change');  }
    function onSizeChange(e) { alert('Size Change'); }
    $(document).ready(function () {
        $("#colorPicker").kendoComboBox({
            dataSource: ["Blue", "Green", "Red", "Yellow"],
            change: onColorChange
        });
        kendo.init($("#shapePicker"));
        kendo.init($("#sizePicker"));

        var sizePicker = $("#sizePicker");
        sizePicker.bind("change", onSizeChange).data("kendoComboBox");
    });
</script>
```

Styling

- **kendo.common.css**
  - Positioning and size
- **kendo.[skin].css**
  - Colors and backgrounds
  - Skin specific
- *** Note: common always goes before [skin]**

Primitives

- **Shared CSS classes**
- **Core primitives**
  - k-widget
  - k-header
  - k-link
  - k-button
  - k-input
  - k-textbox
  - k-group and k-content
  - k-popup
  - k-icon and k-sprite
  - k-image
  - k-item
  - k-first and k-last
- **State Based Style**
  - k-state-default
  - k-state-hover
  - k-state-focused
  - k-state-active
  - k-state-selected
  - k-state-disabled

ThemeBuilder

- **Tool for modifying Kendo UI themes**
- **Just a browser booklet**
- **Real-time styling of your application**

Summary

- **Web widgets are UI controls**
- **Lots of widgets available**
- **Initialization and configuration**
- **Styles and themes**
- **Grid demo**