

Mobile

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Agenda

- What is Kendo UI Mobile?
- Mobile framework
- Widgets

What is Kendo UI Mobile?

- Mobile development toolset
- HTML5 powered (data-"dash")
- Native look, feel, and user experience
- Kinetic scrolling
- Automatic layout system
- Application framework
- Mobile and tablet widgets

Mobile Framework

- **Application**
- **Form**
- **View**
- **SplitView**

Application

- Top of the stack
- Initialization:

```
var app = new kendo.mobile.Application($(document.body), {configuration});
```

- App wide configuration
- Layout
- Navigation
- View transitions
- Status

Application: Structure

- **Single HTML page**
- **One or more mobile views**
- **Linked with navigational widgets**

Application: Configuration

- Application wide configuration
- hideAddressBar
- initial
- layout
- loading
- platform
- transition

```
var app = new kendo.mobile.Application($(document.body), {  
    hideAddressBar: true,  
    initial: "startView",  
    layout: "myCustomLayout",  
    loading: "I think I can. I think I can.",  
    platform: "blackberry",  
    transition: "slide"  
}  
);
```

Mobile Layout

- Share common header and footer
- Define

```
<!-- Layout -->  
<div data-role="layout" data-id="myLayout">  
  <div data-role="header">  
    <!-- Header Content -->  
  </div>  
  <div data-role="footer">  
    <!-- Footer Content -->  
  </div>  
</div>
```

- Assign

```
<!-- View -->  
<div data-role="view" data-title="Home" data-layout="myLayout">  
  <!-- View Content -->  
</div>
```


Navigation

- Local

```
<a href="#page2" data-role="button" >Next Page</a>
```

- External

```
<a href="http://kendoui.com/" data-rel="external" >Visit KendoUI</a>
```

View Transitions

- Animation when moving from one view to another
- Can be defined on View or navigational widget...or at the app level

```
<div data-role="view" id="search" data-transition="slide" >  
</div>  
  
<a href="#search" data-role="button" data-transition="fade" >Search</a>
```

- Slide, Zoom, Fade, and Overlay
- Configure direction (slide, overlay), and reversible (all)

Loading

- Built-in loading indicator
- Styled per platform

```
<script>
    $(function () {
        $("#longProcess").bind('click', function () {
            app.showLoading();
            longRunningProcess();
            app.hideLoading();
        });
    });
</script>

<script>
    window.app = new kendo.mobile.Application(document.body);
</script>
```

Form

- Automatic platform specific styling of form elements
- Uses new HTML5 input types
- Supported inputs
 - text
 - password
 - search
 - url
 - email
 - number
 - tel
 - file
 - date
 - time
 - month

View

- Represents a screen
- HTML element attributed with data role of view

```
<div data-role="view">  
  <!-- content -->  
</div>
```

Remote View

- Load view remotely via AJAX
- No leading “#” = remote

```
<div data-role="view">  
  <a href="remoteView.html" data-role="button">Remote View</a>  
</div>
```

- Only content within the first View element is rendered
- Nothing from the <head>
- Additional scripting and widget initialization can be done in the “init”

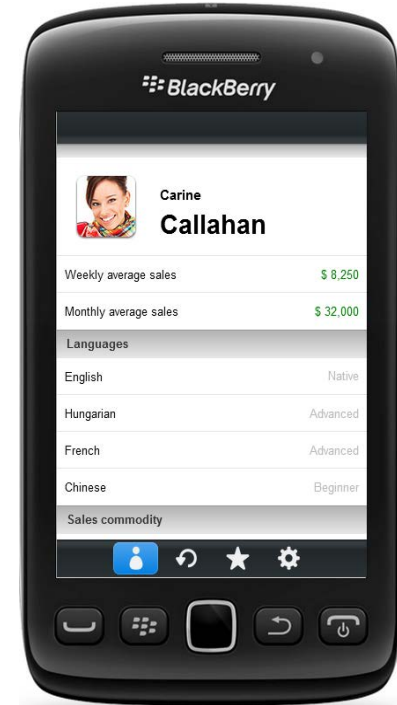
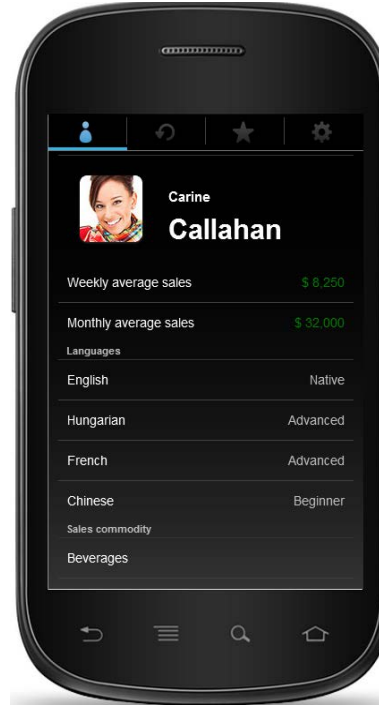
```
<!-- remoteView.html -->  
<div data-role="view" data-init="initRemoteView" >  
  <a href="#someLocalView" id="link">Link</a>  
</div>  
<!-- script in consuming view -->  
<script>  
  function initRemoteView(e) {  
    e.view.element.find("#link").kendoMobileButton();  
  }  
</script>
```

Split View

- Tablet specific view
- Consists of two or more pane widgets
- Should not be nested in a view

Widgets

- Controls that mimic native UI/UX
- HTML5
- Platform specific look and feel



Available Widgets

- Action Sheet
- Button
- ButtonGroup
- ListView
- ModalView
- Navbar
- PopOver (tablet only)
- Scroller
- ScrollView
- Switch
- TabStrip

Summary

- **Application**
- **Views**
- **Form**
- **SplitView**
- **Widgets**