

JSA²



Solutions

Building your 1st mobile app with APEX

Brian T Spendolini
JSA2 Solutions

Going Mobile

The Landscape

Platform	Version	Native	Opera Mobile				Opera Mini		Fennec		Ozone	Netfront	Phonegap
			8.5	8.65	9.5	10.0	4.0	5.0	1.0	1.1	0.9	4.0	0.9
iOS	v2.2.1	B											A
	v3.1.3, v3.2	A						A					A
	v4.0	A						A					A
Symbian S60	v3.1, v3.2	C	C	C		B	C	B			C	C	
	v5.0	A	C	C		A	C	A					A
Symbian UIQ	v3.0, v3.1			C							C		
	v3.2				C						C		
Symbian Platform	3.0	A											
BlackBerry OS	v4.5	C					C	C					
	v4.6, v4.7	C					C	B					C
	v5.0	B					C	A					A
	v6.0	A						A					A
Android	v1.5, v1.6	A											A
	v2.1	A											A
	v2.2	A				A		C		A			A
Windows Mobile	v6.1	C	C	C	C	B	C	B				C	
	v6.5.1	C	C	C	A	A	C	A					
	v7.0	A				A	C	A					
webOS	1.4.1	A											A
bada	1.0	A											
Maemo	5.0	B				B			C	B			
MeeGo	1.1	A				A				A			

Going Mobile

The Landscape

- iOS 4/5
- BBX 6/7
- Windows Mobile 7/7.5
- Android 2.2/2.3
- Web OS 3.0

Going Mobile

- Moving an app to the mobile web is more than applying a few templates.
- Two Methods
 - * Native App
 - * Web Pages

Sample App

- View, edit, create
- Reporting

Deconstruction

- Only the facts

Templates and HTML5

```
<section id="page1" data-role="page">
  <header data-role="header">
    <h1>My Title</h1>
  </header>
  <div data-role="content" class="content">
    <p>Hello World</p>
  </div>
  <footer data-role="footer">
    <h2>jQuery Mobile Footer</h2>
  </footer>
</section>
```


Templates and HTML5

```
<div data-role="page" id="#TITLE#" data-add-back-btn="true">
  #FORM_OPEN#
  <div data-role="header">
    <h1>#TITLE#</h1>
    #NAVIGATION_BAR#
  </div>
  <div id="messages">
    #SUCCESS_MESSAGE##NOTIFICATION_MESSAGE##GLOBAL_NOTIFICATION#
  </div>
  <div data-role="content">
    #REGION_POSITION_01#
    #REGION_POSITION_02#
    #REGION_POSITION_03#
    #REGION_POSITION_04#
    #REGION_POSITION_05#
    #REGION_POSITION_06#
    #REGION_POSITION_07#
    #BOX_BODY#
  </div>
  <footer data-role="footer">
    <h1>#REGION_POSITION_08#</h1>
  </footer>
  #FORM_CLOSE#
</div>
```


Dynamic Actions



WHY YOU NO WORK?!?!?!?!?!?!?!!

Transition Events

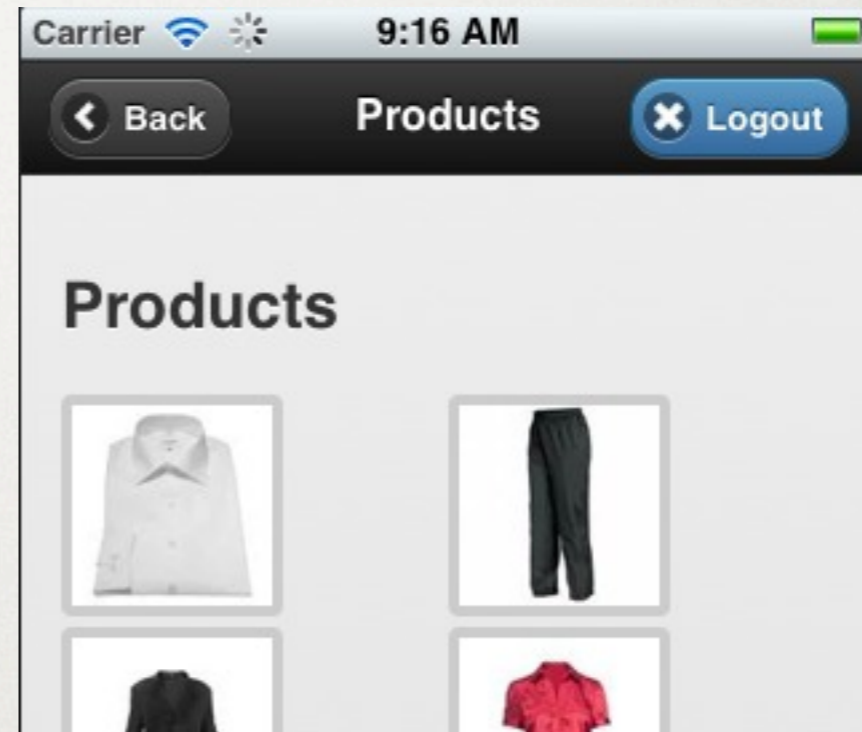
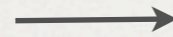
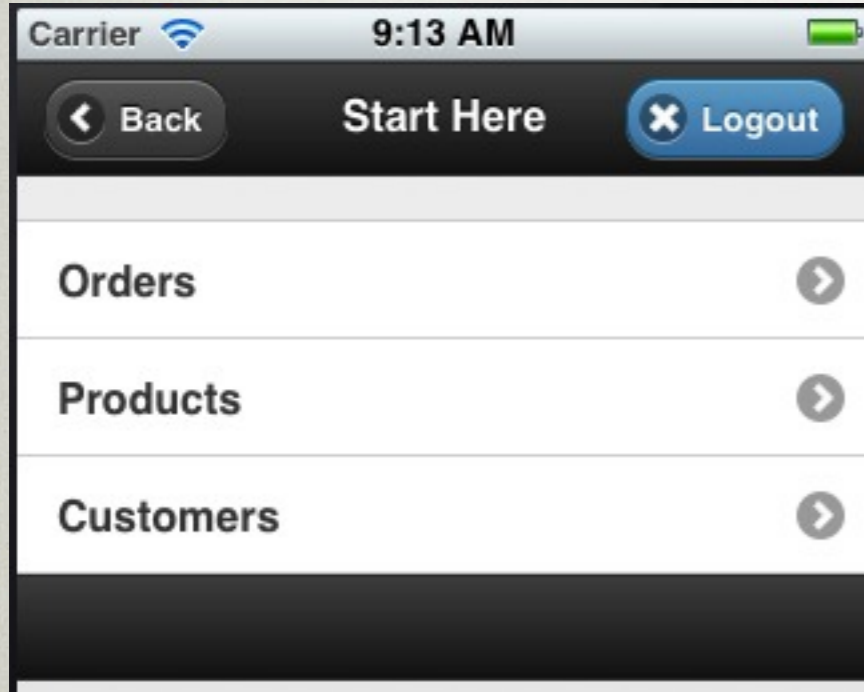
Before the transition starts

- pagebeforehide
 - Fires on the page being transitioned from
- pagebeforeshow
 - Fires on the page being transitioned to

After the transition finishes

- pagehide
 - Fires on the page being transitioned from
- pageshow
 - Fires on the page being transitioned to

Dynamic Actions



Set actions based on page ID upon app initialization

Events fire on the page when its called


```
$(function() {  
    $("#Products").live("pagebeforeshow", function() {  
  
        $(".ui-grid-b .ui-block-a, .ui-grid-b .ui-block-  
b, .ui-grid-b .ui-block-c").css('width', '50%');  
  
        alert('1');  
  
    });  
});
```



```
$("#Details").live("pagebeforeshow", function() {  
    $("#CANCEL")  
        .click(function() {  
            history.back();  
            return false;  
        });  
});
```



```
$("#Details").live("pagebeforeshow", function() {  
    $("#DONE").click(function() {  
        $.mobile.changePage('f?p=&APP_ID.:  
20:&SESSION.:NO:',  
        {  
            reverse: true,  
            changeHash: false  
        });  
    });  
});
```


rel="external"

- `Search Again`
- Page JS/CSS will work
 - * solution for dynamic actions

Wrap up

- Mobile is about planning, not templates
- Its OK not to use transitions

Contact

- Email: bspendolini@jsa2.com
- Web Sites
 - jsa2.com
 - itworkedyesterday.com
- Twitter: @btspendo

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