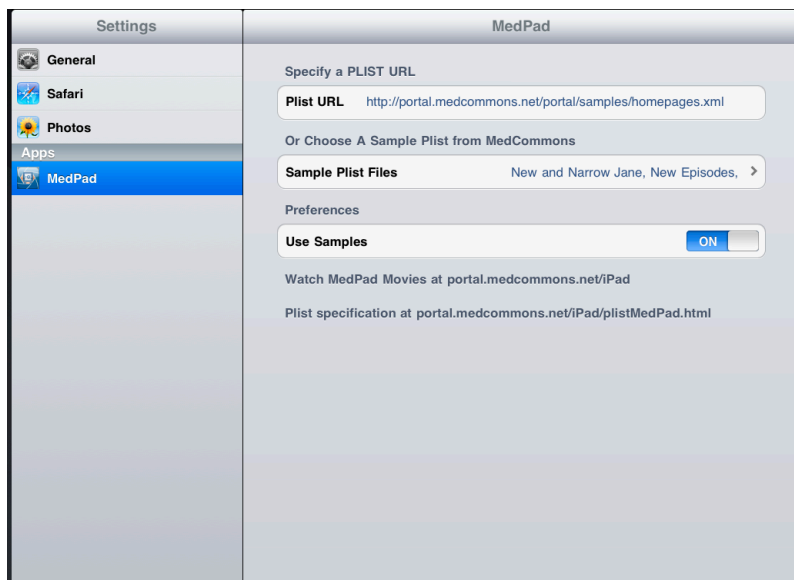


MedCommons Prototyper

Overview

We use MedCommons Prototyper to discuss live iPad designs with our Healthcare customers. You can use this free tool to prototype SplitViewController designs on the iPad by incorporating web based media into an Apple HIG inspired wrapper.

MedCommons Prototyper is started via either the standard Apple Setup Screen:

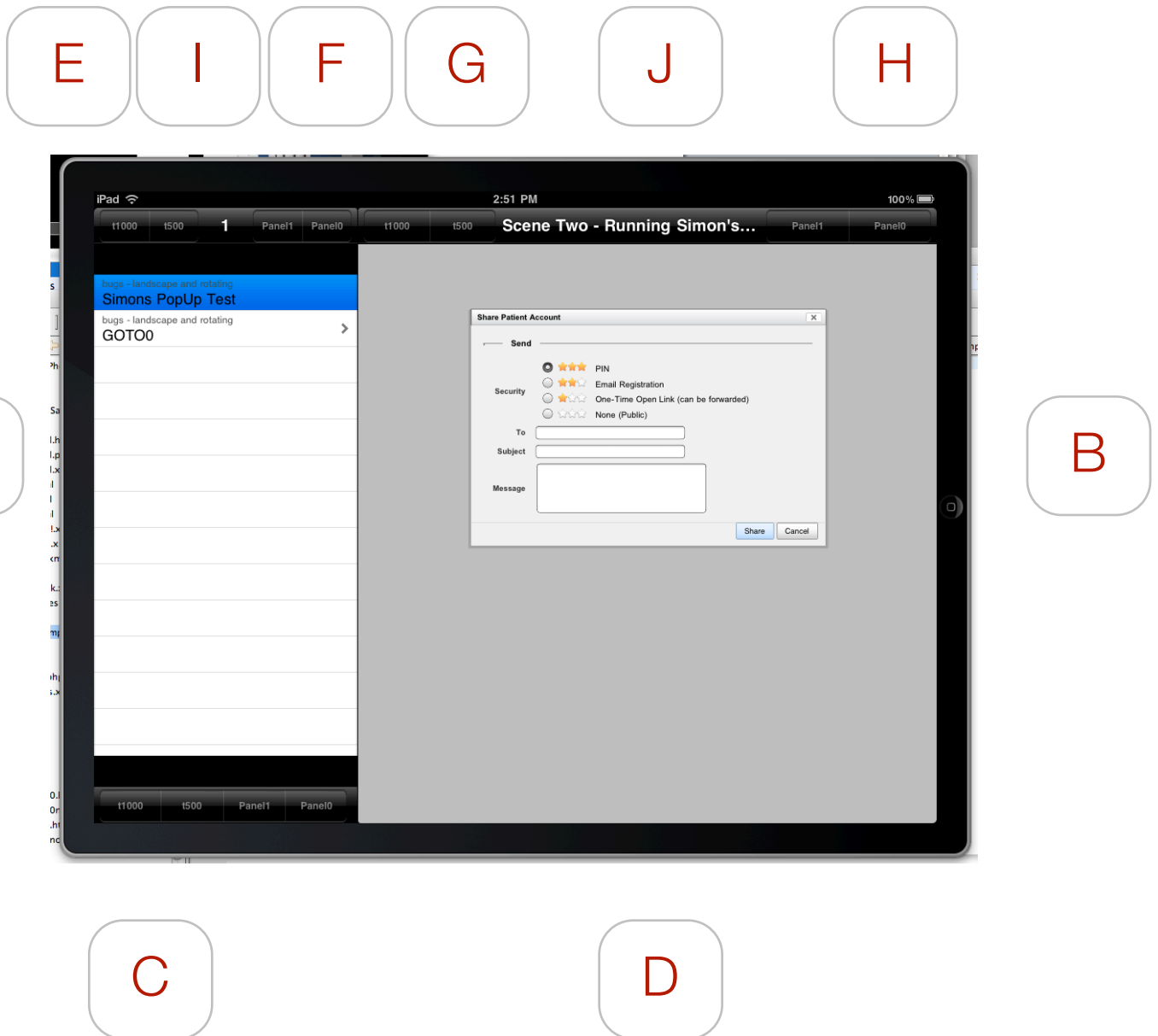


or via a special url: `x-medpad:///?plist=<<<full url configuration spec>>>`

In either case, the utility is driven by a specially constructed Plist, an Apple-inspired XML schema. [<http://code.google.com/p/networkpx/wiki/PlistSpec>]

How It Works

- As per the Apple HIG, there is one outer SplitView Controller created
- Rotational and popover behavior is as presented by IB generated code
- The Prototyper Plist drives the detailed layout of the button configurations for the Master and Detail Controllers.
- The Plist also specifies the layout of the actual details of the Master and Detail Views.
- Multiple scene support in the Plist allows navigation between different prototype layout



MedPad Interface Components

The MedPad runtime layout is completely driven by a network based Plist file used to start MedPad.

Interface Components

Screen Part	Purpose	Discussion
A	Left Hand View	Apple calls this the Root View or Master View
B	Right Hand View	Apple calls this the Detail View
C	Toolbar	Only Present on Left Hand View, implemented as a Segmented Control
D	Full Detail View goes full length	No Toolbar here as per Apple HIG
E	Left Side Root Buttons	Pressing Button changes A or B
F	Right Side Root Buttons	Pressing Button changes A or B
G	Left Side Detail Buttons	Pressing Button changes A or B
H	Right Side Detail Buttons	Pressing Button changes A or B
I	Left Side Title	
J	Right Side Title	

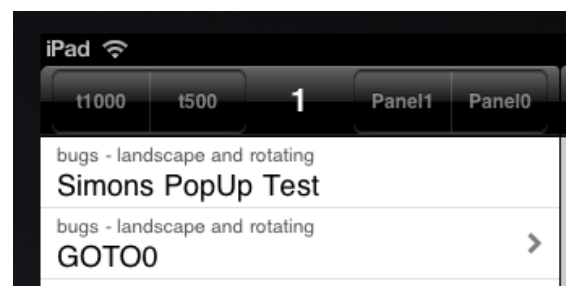
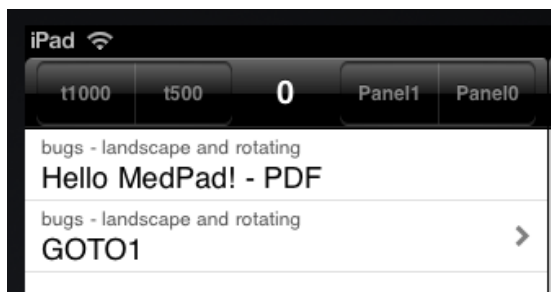
Plist Layout

The MedPad runtime layout is completely driven by a network based Plist file used to start MedPad.

Top Level Configuration Objects

Objects	Purpose	Discussion
Global Parameters	Titles, colors, for entire MedPad invocation	Most of these are optional
Nav Segments	Navigation via Segmented Controls in five MedPad Locations	Each of these five(5) are optional
Scenes	Actions, Titles, colors, labels, and URLs for left and right panels	At least one scene must be present

Scene Object Dictionary



Two scenes that toggle back and forth. Their underlying plist contains the linkage.

Fields	Purpose	Discussion
Scene	Name or Number	used by ReplaceScene
Name	Long Name for Scene	
CellStyle	plain or black	default:plain
WebBorder	white or black	default:white
LeftTitle	For RootView	
RightTitle	For DetailView	
PopOverButtonTitle	For PopOver Button	default: "menu"
Blocks	Each block is laid out down the left hand side	These can be images, text, or webviews

Nav Segment Dictionary



Each of the five separate Nav Groups is made from one Segmented Controller

Fields	Purpose	Discussion
Width	width in pixels of whole segment	Optional
Buttons	Array of buttons	Practically limited by space considerations

Button Dictionary

Fields	Purpose	Discussion
Action	What to do when Button is Pressed	Most of these are optional
	case: ShowDetail	show new Detail View on right
	case: GotoScene	change left view to new Scene
	case: ReplaceScene	change left and right views
Label	text label for button	
ImageURL	url for button image	overrides label
Title	title for Detail View	

Block Dictionary

Fields	Purpose	Discussion
Action	What to do when Block is tapped	Most of these are optional
	case: ShowDetail	show new Detail View on right
	case: GotoScene	change left view to new Scene
	case: ReplaceScene	change left and right views
Label	main label for left hand side	
ImageURL	url for button image	overrides label
Title	title for Detail View	
WebView	URL of live page for left hand view	overrides imgurl

Fields	Purpose	Discussion
Height	height in Pixels of webview or imgurl	
URL	URL of live page for right hand view	
Info	secondary label for lhs	

Outer Structure Configuration Info

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
  <dict>
    <key>mastertitle</key>
    <string>Hello MedPad!</string>
    <key>leftLineStyle</key>
    <string>narrow</string>

    <key>leftDetailSM</key>
    <dict></dict>

    <key>rightDetailSM</key>
    <dict></dict>

    <key>leftRootSM</key>
    <dict></dict>

    <key>rightRootSM</key>
    <dict></dict>

    <key>bottomRootSM</key>
    <dict></dict>
  </dict>
</plist>

```



```
        <key>scenes</key>
        <array></array>

    </dict>
</plist>
```

Button Groups

```

<key>xxxDetailSM</key>
<dict>
  <key>width</key>
  <string>200</string>
  <key>buttons</key>
  <array>
    1 or more buttons
  </array>
</dict>

```

Scenes

```

<key>scenes</key>
<array>
  <dict>

    <key>scene</key>
    <string>0</string>

    <key>name</key>
    <string>Main Scene</string>

    <key>cellstyle</key>
    <string>plain</string>

    <key>webviewborder</key>
    <string>black</string>

    <key>smalltitle</key>
    <string>0</string>

    <key>largetitle</key>
    <string>Scene 0 Button Tester</string>

    <key>barbuttontitle</key>
    <string>menu</string>

    <key>blocks</key>
    <array>

```

1 or more blocks

```
</array>
```

```
</dict>
```

```
<dict>
```

```
<key>scene</key>
```

```
<string>1</string>
```

```
<key>name</key>
```

```
<string>Another Scene</string>
```

```
<key>cellstyle</key>
```

```
<string>plain</string>
```

```
<key>webviewborder</key>
```

```
<string>black</string>
```

```
<key>smalltitle</key>
```

```
<string>1</string>
```

```
<key>largetitle</key>
```

```
<string>Scene Two</string>
```

```
<key>barbuttontitle</key>
```

```
<string>menu</string>
```

```
<key>blocks</key>
```

```
<array>
```

1 or more blocks

```
</array>
```

```
</dict>
```

```
</array>
```

Buttons

```

<dict>
    <key>blocktype</key>
    <string>leftright</string>
    <key>url</key>
    <string>
http://portal.medcommons.net/portal/samples/testpage1000.html
    </string>
    <key>label</key>
    <string>t1000</string>
    <key>toptitle</key>
    <string>t1000 test page</string>
</dict>

```

```

<dict>
    <key>blocktype</key>
    <string>newscene</string>
    <key>blabel</key>
    <string>bugs - landscape and rotating</
string>

    <key>toplabel</key>
    <string>Report</string>
    <key>label</key>
    <string>Panel1</string>
    <key>imageUrl</key>
    <string>
http://www.protoneurope.org/main\_images/pdf\_logo/image
    </string>
    <key>url</key>
    <string>1</string>
</dict>

```

Blocks

```

<key>blocks</key>
<array>

```

```

    <dict>
      <key>blocktype</key>
      <string>leftright</string>
      <key>blabel</key>
      <string>bugs - landscape and
rotating</string>

      <key>toplabel</key>
      <string>Running Simon's Popup Test</

string>

      <key>label</key>
      <string>Simons PopUp Test</string>
      <key>imageUrl</key>
      <string>

http://portal.medcommons.net/portal/images/3DBone.png
      </string>
      <key>url</key>
      <string>

http://ci.myhealthspace.com/router/form?patientId=1013062431111407&amp;p;auth=4e9396cc8817d36327370a219e5bb7692ca26131
      </string>
    </dict>
    <dict>
      <key>blocktype</key>
      <string>newscene</string>
      <key>blabel</key>
      <string>bugs - landscape and
rotating</string>

      <key>toplabel</key>
      <string>PDF - Radiology Report</

string>

      <key>label</key>
      <string>GOT00</string>
      <key>imageUrl</key>
      <string>

http://portal.medcommons.net/portal/images/Aiga\_leftarrow\_inv.gif
      </string>
      <key>scene</key>
      <string>0</string>
    </dict>

```