

Mobile VI for iPad

Benjamin Reyes, Tao Ni, Haihong Wang, Doris Yu

First Draft: June 15, 2011

Last Update: June 23, 2013

View and Interaction Mode

April 16, 2013

Close

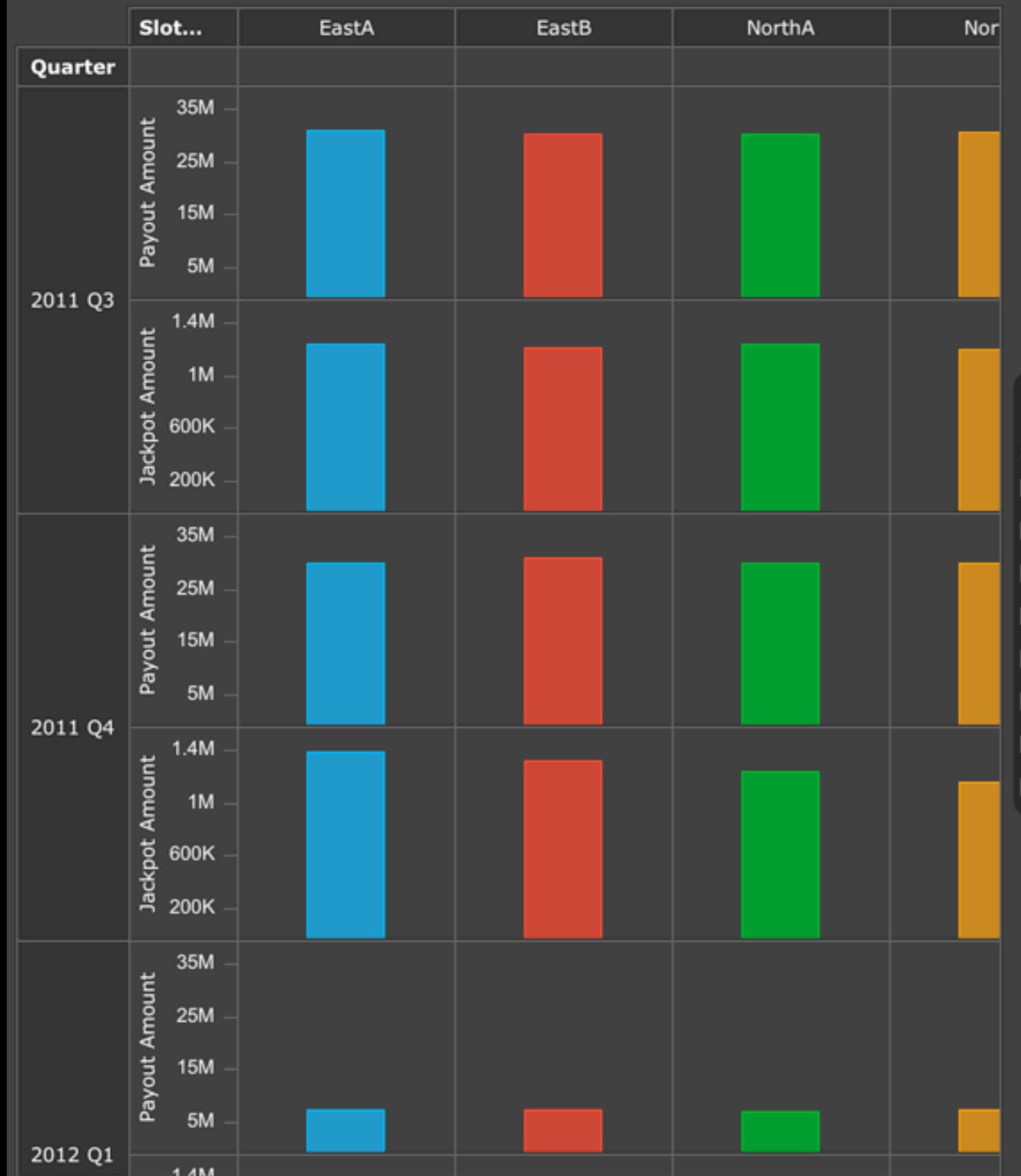


5



Vertical Bar

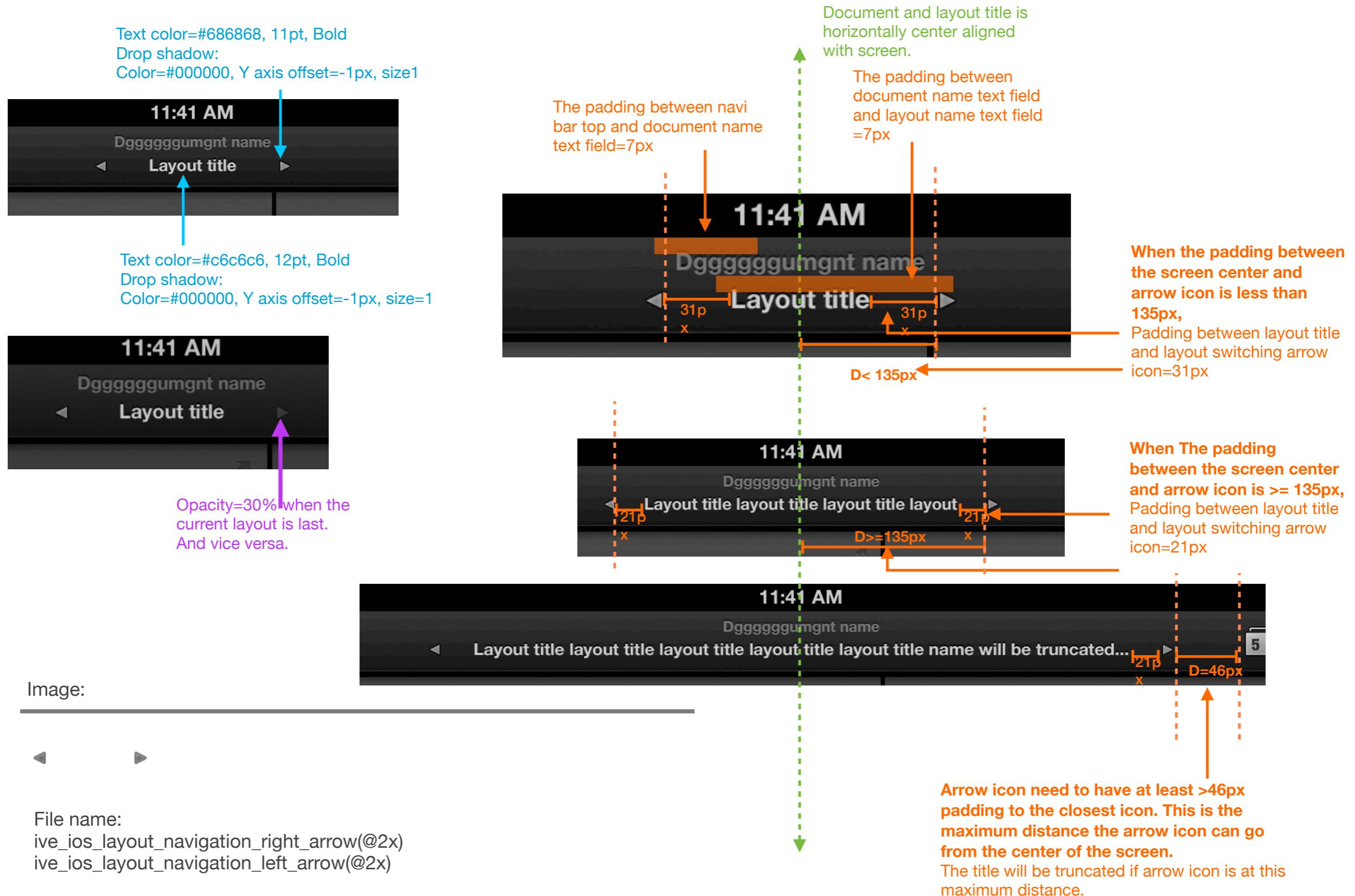
Grid



Grid

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
2011	EastA	Winning Bid	\$484,548
2011	EastB	Cleopatra	\$470,734
2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
2011	NorthA	Cleopatra	\$493,847
2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

•Layout switching indicator



- Updated navigation bar icon

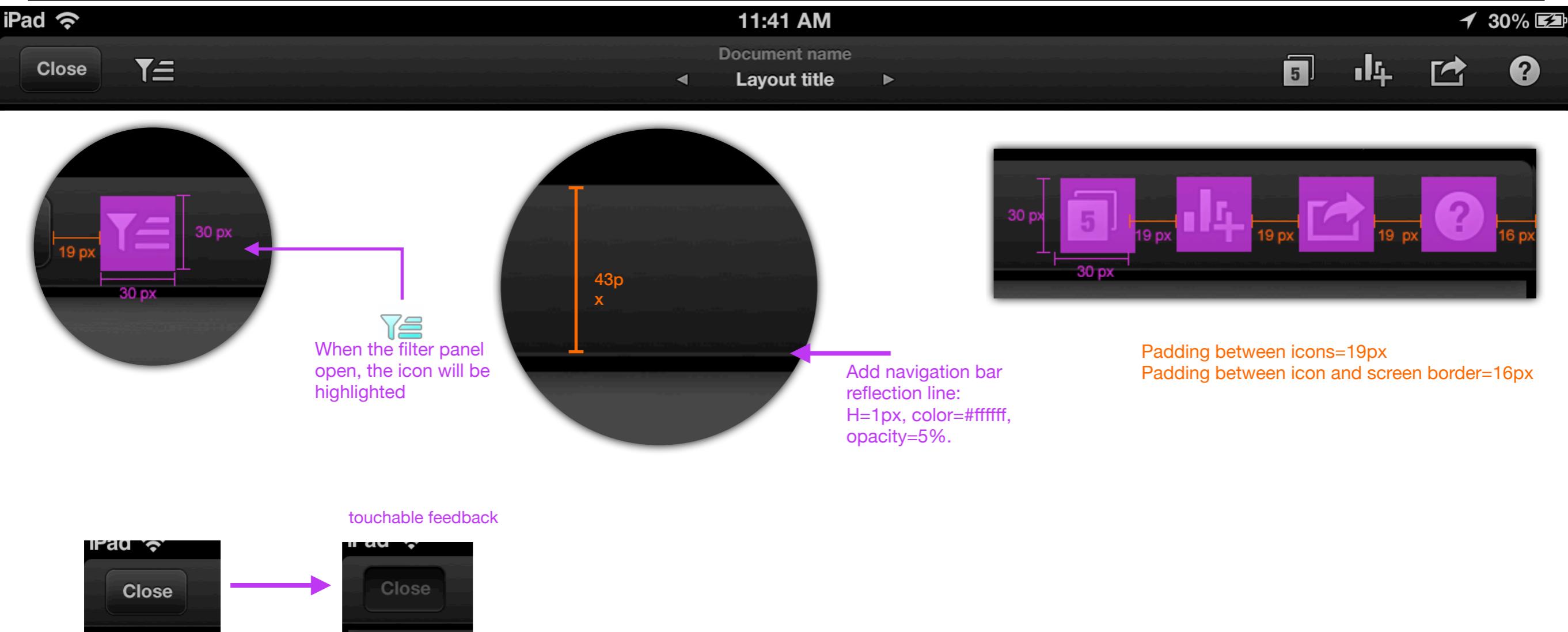


Image:



File name:
Layouts_VI(@2x)



File name:
ive_ios_filter_panel_navi_bar_icon(@2x)



File name:
ive_ios_filter_panel_navi_bar_icon_pressed(@2x)



File name:
Help_VI@2x



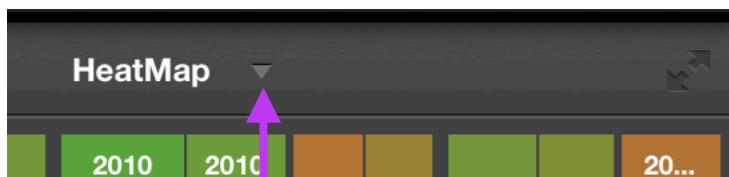
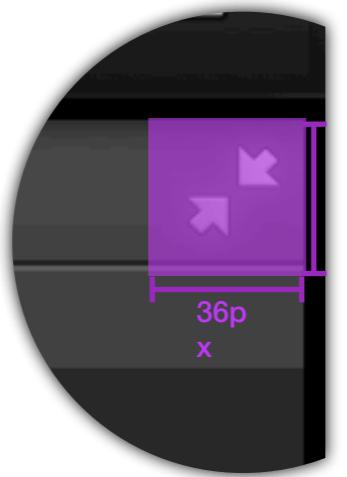
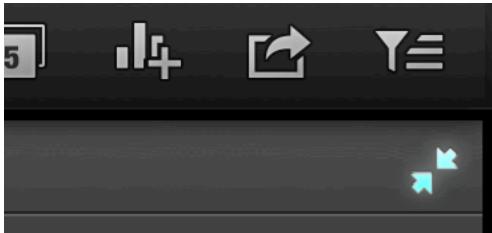
File name:
ive_ios_action_navigation_bar_icon(@2x)



File name:
ive_ios_add_new_visulization_navigation_bar_icon(@2x)

- Full screen, exit full screen, and visualization drop down arrow icon
-

Icon is on the top right corner of the visualization tool bar



Replace with new icon

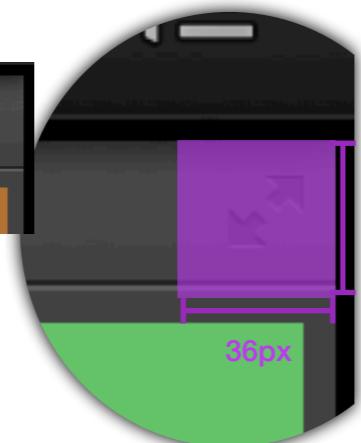


Image:



File name:
exitfullscreenmode_VI(@2x)

File name:
ive_full_screen_visulaztion_tool_bar_icon(@2x)



File name:
visulization_drop_down_triangle(@2x)

Close



5



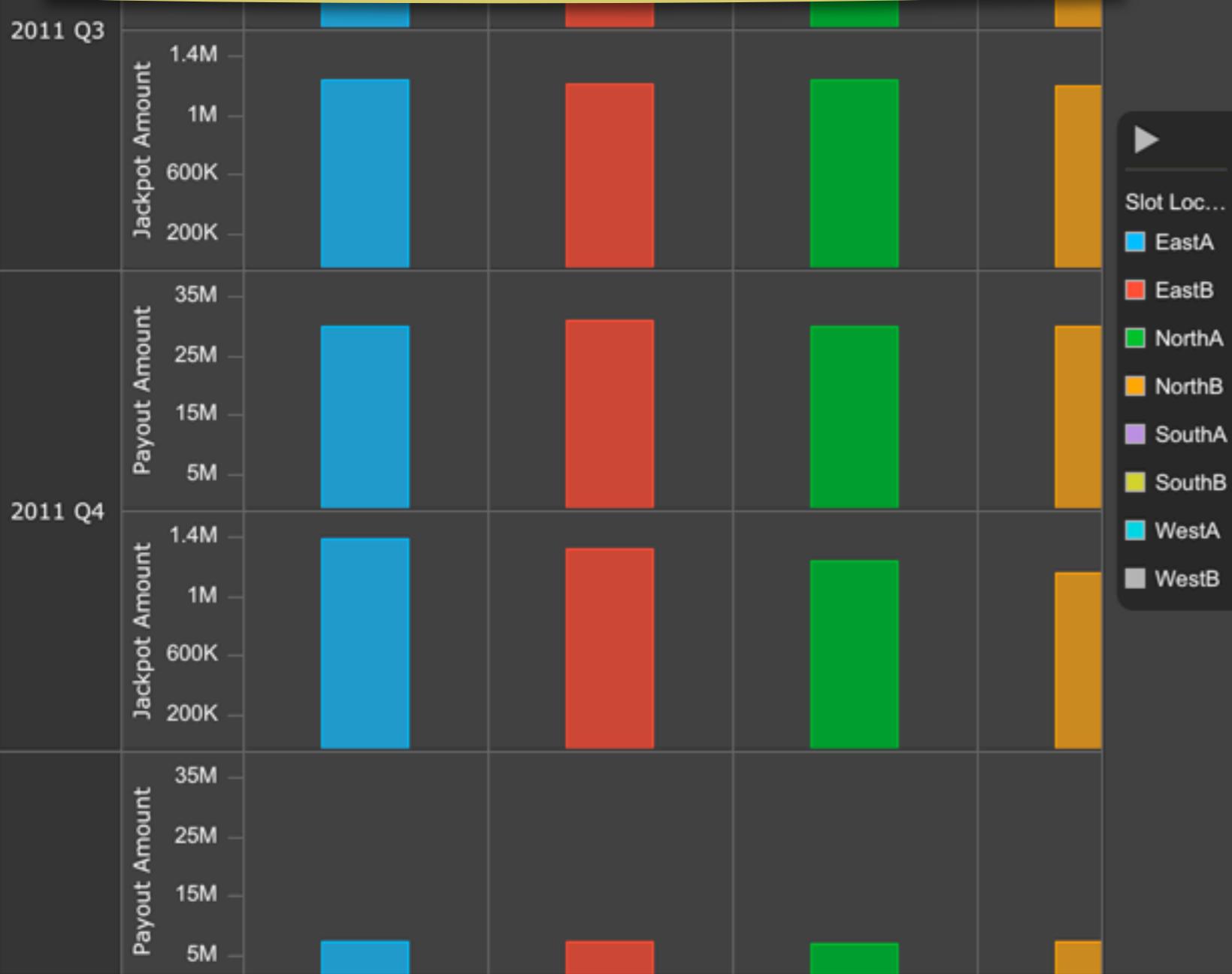
Vertical Bar



In case of multiple panels within a layout, show a bar on the bottom along with page indicator.

Bar height: 30px; Color: black; Drop shadow offset: (0, -1), shadow radius: 2px, shadow opacity: 80%.

Padding between the vis panel and the bar: 4px.



Resizing and Moving Visualization

April 16, 2013

Close

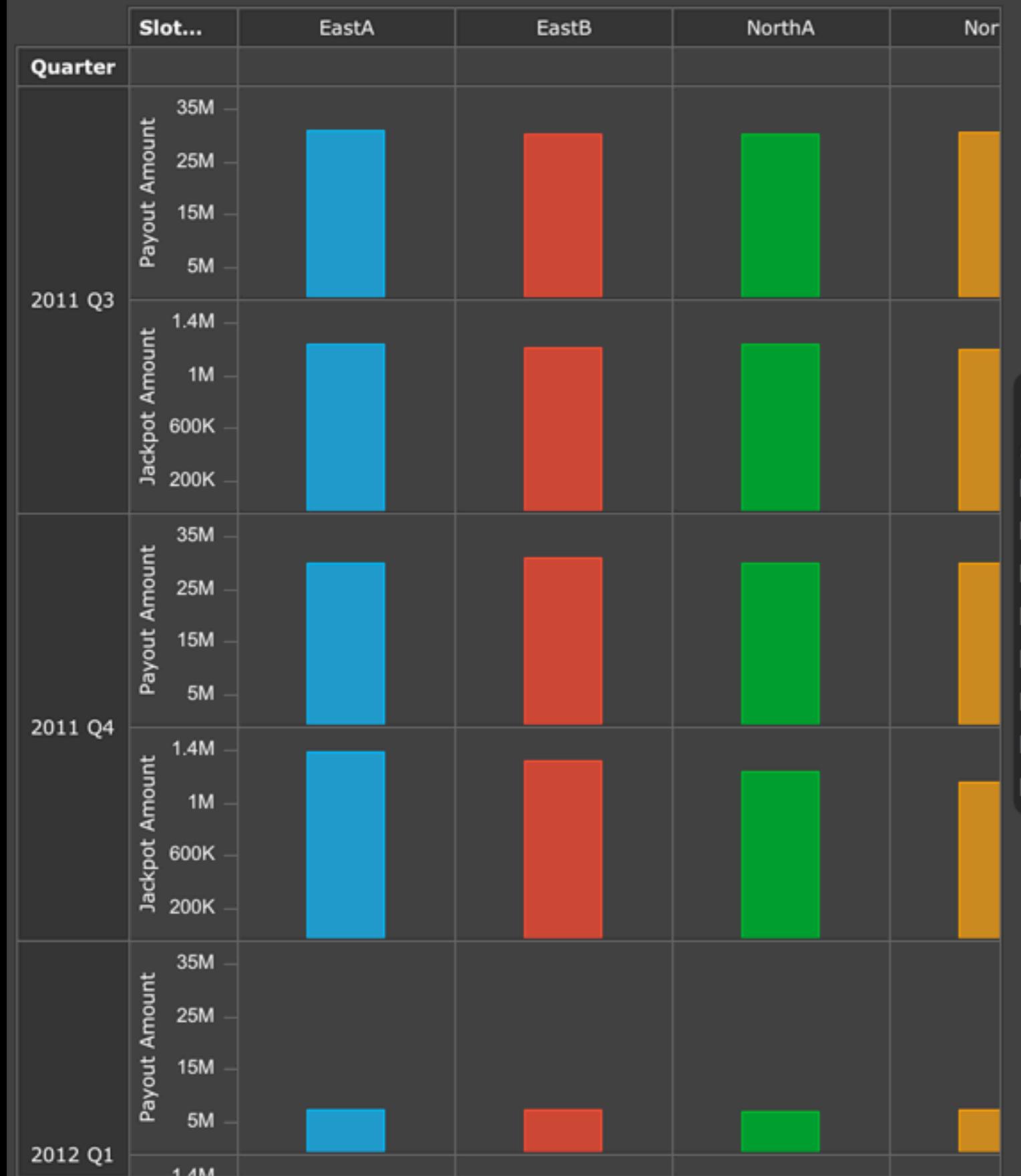


5



Vertical Bar

Grid



Grid

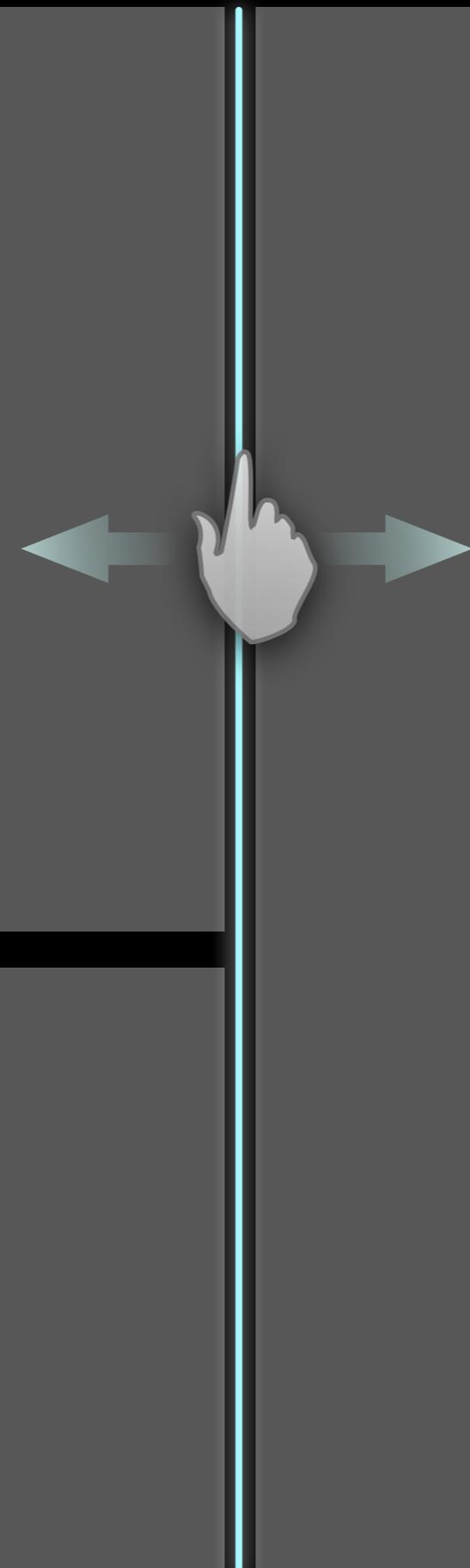
Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
2011	EastA	Winning Bid	\$484,548
2011	EastB	Cleopatra	\$470,734
2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	EastB	Hunter	\$376,904
2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Touch and hold between visualization panel to resize.

VI Document Title

Close

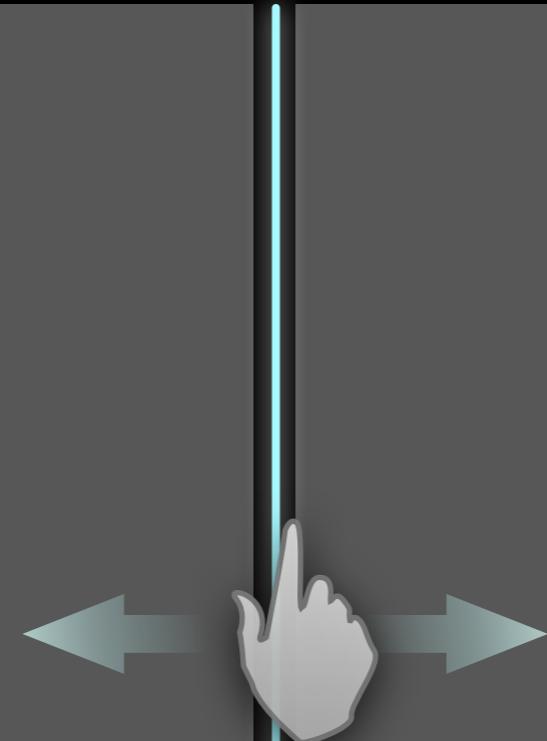
Current Layout Title



VI Document Title

Close

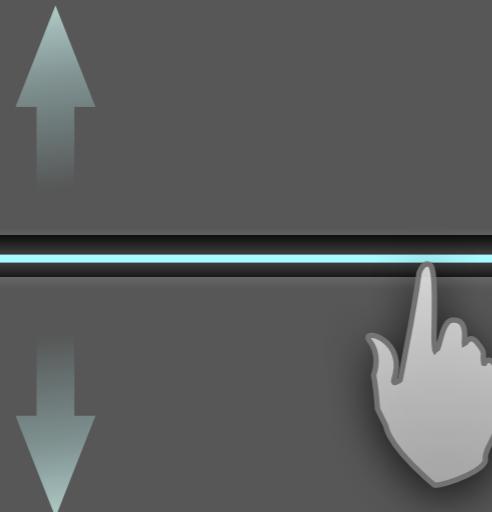
Current Layout Title



VI Document Title

Current Layout Title

Close



Close

VI Document Title

Current Layout Title



Close

VI Document Title
Current Layout Title

5



Vertical Bar

Grid



Touch and hold on empty area of title bar for 250ms to move a panel.



Grid

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
2011	EastA	Winning Bid	\$484,548
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2011	EastB	Frog Prince	\$462,871
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2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
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2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Close



5



Vertical Bar ▾



Grid ▾

Slot Location	Year	2011				2012				
		Slot Machine Game	Slot Hold	Coin In	(Slot Hold/Coin In)	Slot Hold	Coin In	(Slot Hold/Coin In)		
EastA	Lucky Seals	\$469,745.27	\$10,956,991.79		4.29%	\$71,247.85	\$1,389,896.84		5.13%	
EastA	March Madness	\$425,863.56	\$10,930,907.82		3.90%	\$23,558.46	\$1,252,226.57		1.88%	
EastA	Mega Mart	\$461,965.54	\$11,391,827.88		4.06%	\$69,592.10	\$1,317,114.68		5.28%	
EastA	Sizzling 7's	\$345,428.87	\$10,692,947.01		3.23%	\$80,307.65	\$1,289,614.31		6.23%	
EastA	Triple Double Wild Cherry	\$406,527.11	\$10,988,291.92		3.70%	\$43,426.26	\$1,575,908.49		2.76%	

Close

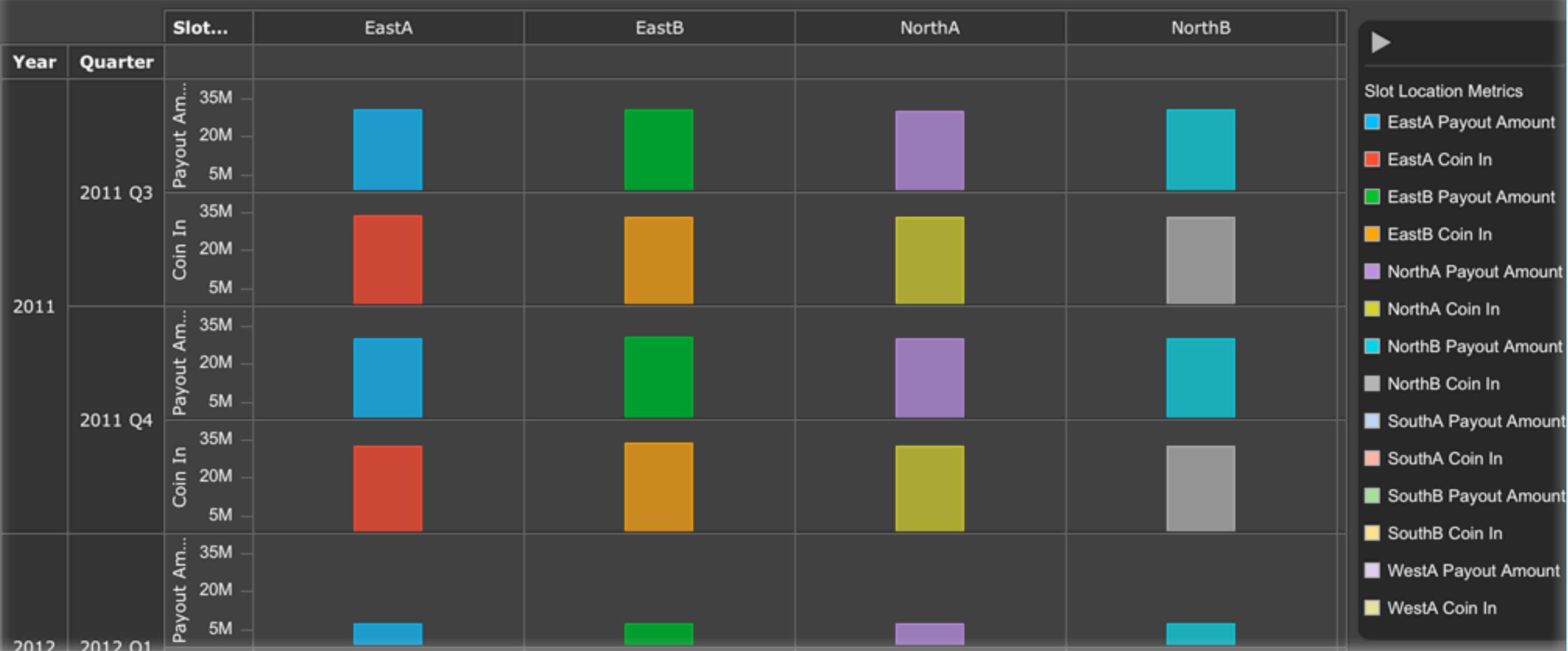
T≡

VI Document Title
Current Layout Title

5



Vertical Bar ▾



Grid ▾

Slot Location	Year	2011				2012			
		Slot Machine Game	Slot Hold	Coin In	(Slot Hold/Coin In)	Slot Hold	Coin In	(Slot Hold/Coin In)	
EastA	Lucky Seals	\$469,745.27	\$10,956,991.79		4.29%	\$71,247.85	\$1,389,896.84		5.13%
EastA	March Madness	\$425,863.56	\$10,930,907.82		3.90%	\$23,558.46	\$1,252,226.57		1.88%
EastA	Mega Mart	\$461,965.54	\$11,391,827.88		4.06%	\$69,592.10	\$1,317,114.68		5.28%
EastA	Sizzling 7's	\$345,428.87	\$10,692,947.01		3.23%	\$80,307.65	\$1,289,614.31		6.23%
EastA	Triple Double Wild Cherry	\$406,527.11	\$10,988,291.92		3.70%	\$43,426.26	\$1,575,908.49		2.76%

Visualization Menu

April 16, 2013

Close



5



Vertical Bar

Grid



Grid

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
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2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
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2011	EastB	Triple Double Stars	\$412,217
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2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Close



5



Vertical Bar

Grid



- Edit Visualization**
- Properties**
- Rename**
- Multiple Selection**
- Delete**

Grid

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
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2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Close



5



Vertical Bar

Grid

Are you sure to delete this visualization?

Delete

Cancel



Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
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2011	EastA	Winning Bid	\$484,548
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2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
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2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Close

VI Document Title
Current Layout Title

5



Visualization 1



Tap here to choose a visualization type and edit it.

If the last viz panel is deleted from a layout, automatically show an empty visualization.

Layout Navigation Mode

June 23, 2013

Close



Vertical Bar



Grid

Tap on layout icon on title bar to enter layout mode.

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Mega Mart	\$469,745
2011	EastA	Business	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
2011	EastA	Winning Bid	\$484,548
2011	EastB	Cleopatra	\$470,734
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2011	EastB	Frog Prince	\$462,871
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2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
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2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

VI Document Title

Done

Layout 2



Filters

(Slot Hold/Coin In)

3.86% 4.41%

Coin In

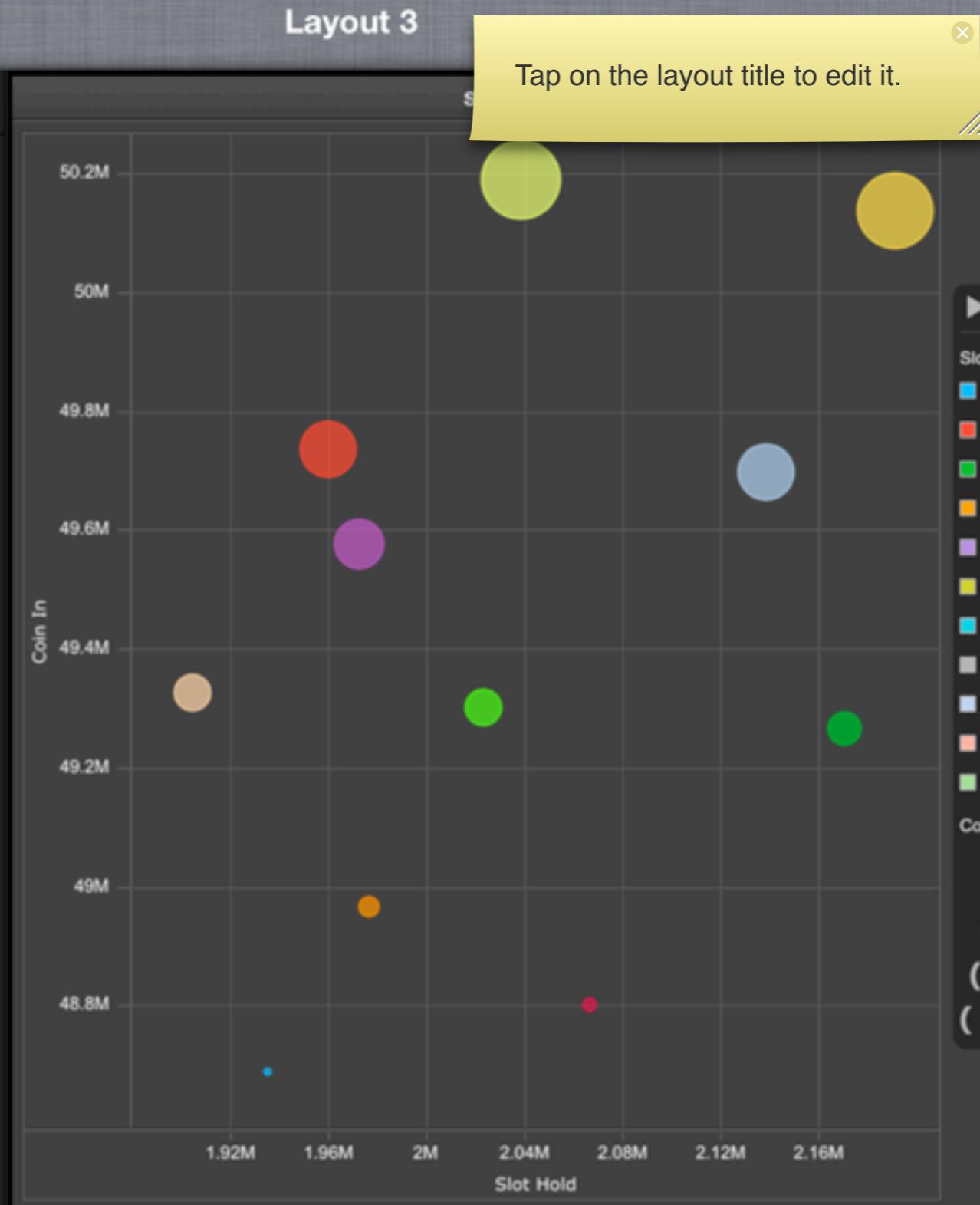
\$48,687,348.29 \$50,187,828.03

Quarter

2011 Q3
2011 Q4
2012 Q1

Slot Location

Layout 3



Layout 4

Year

From 2011

(Slot Hold/Coin In)

3.01%

Coin In

761356

VI Document Title

Layout 2

Layout 3

Layout 4



Year

From 2

2011

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VI Document Title

Done

Layout 2



Filters

(Slot Hold/Coin In)

3.86% 4.41%

Coin In

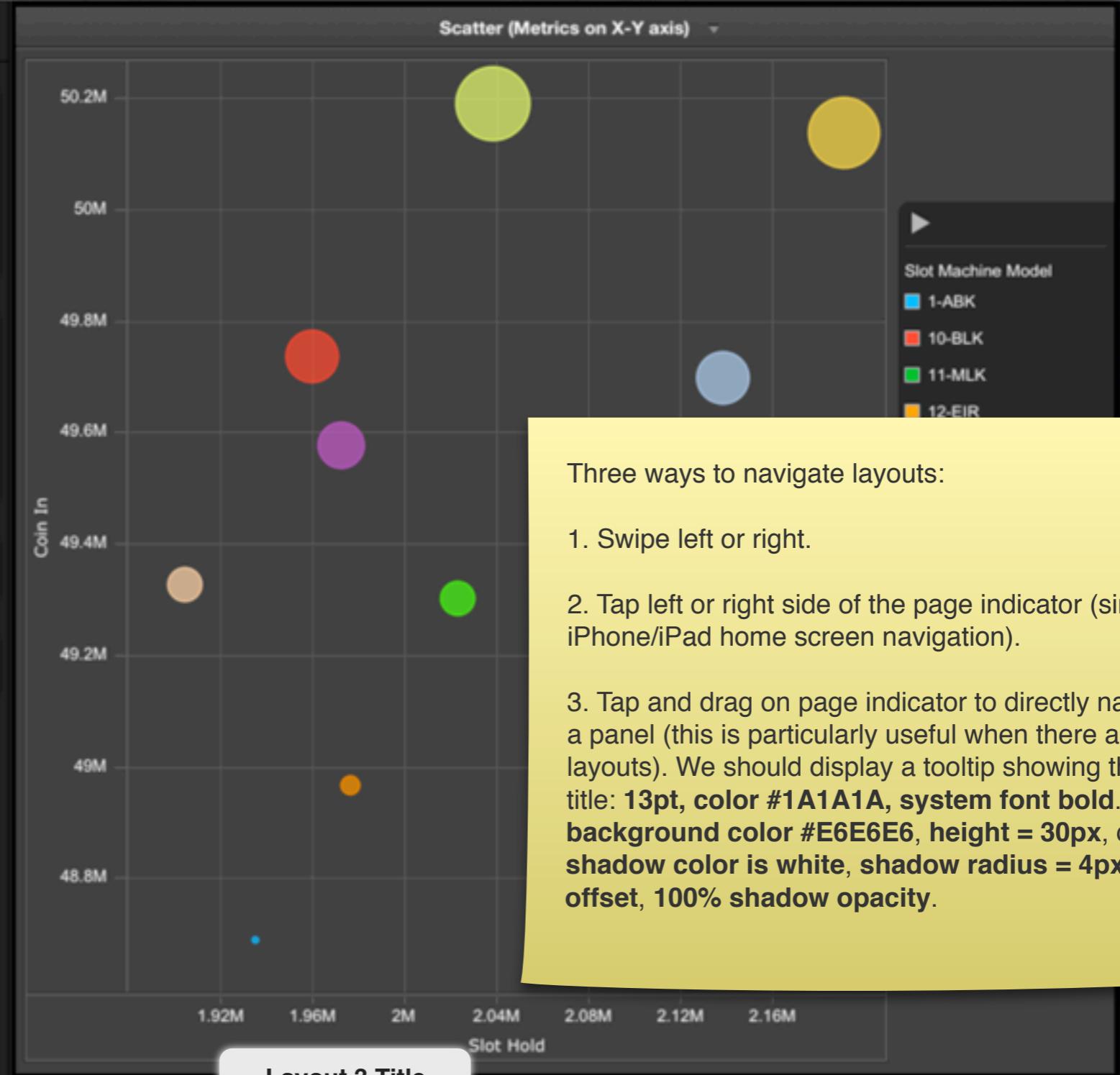
\$48,687,348.29 \$50,187,828.03

Quarter

Quarter
■ 2011 Q3
■ 2011 Q4
■ 2012 Q1

Slot Location

Layout 3



Layout 4

Year

From 2011

(Slot Hold/Coin In)

01%
in In
1356

Rearranging Layout

April 16, 2013

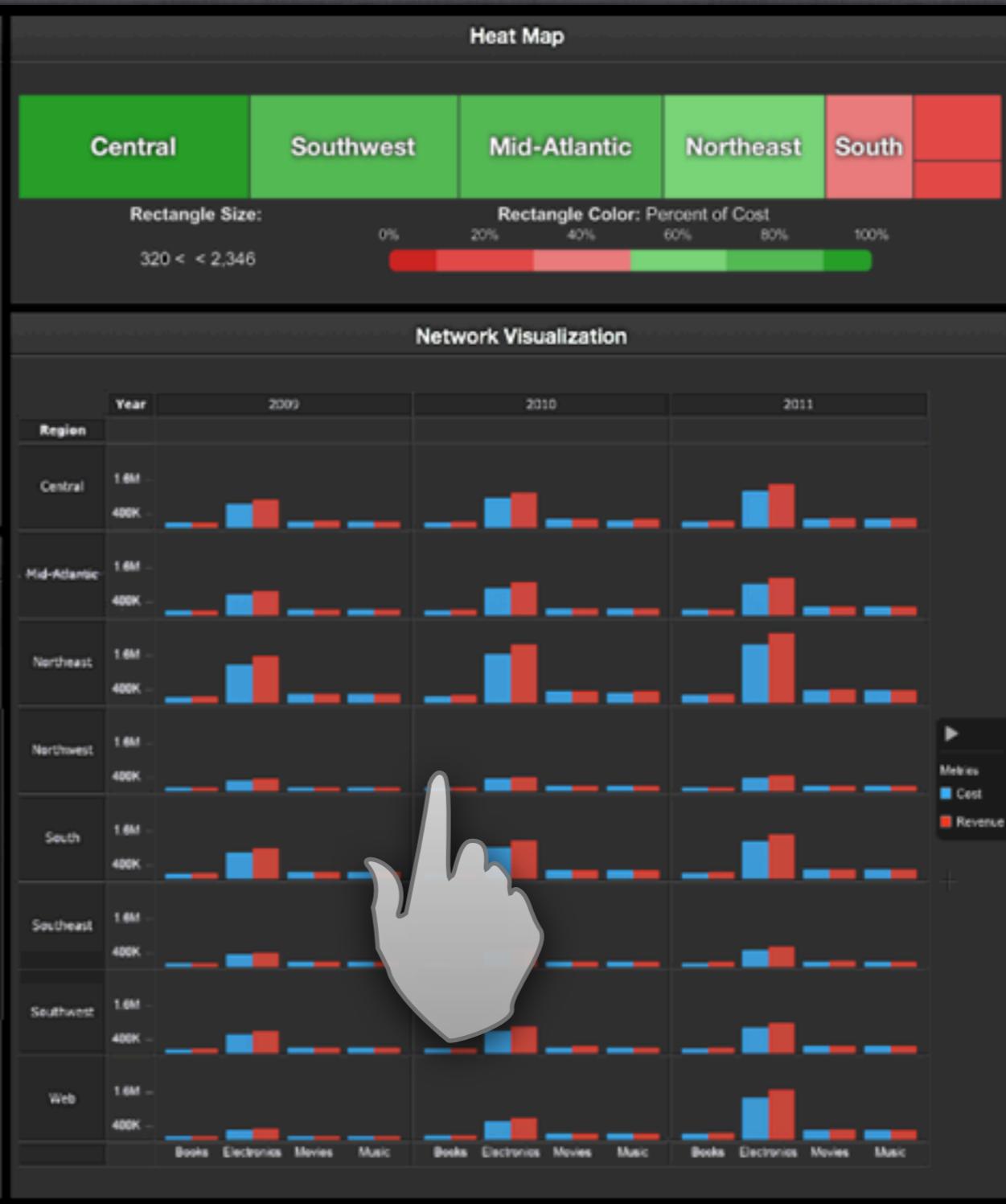
VI Document Title

Done

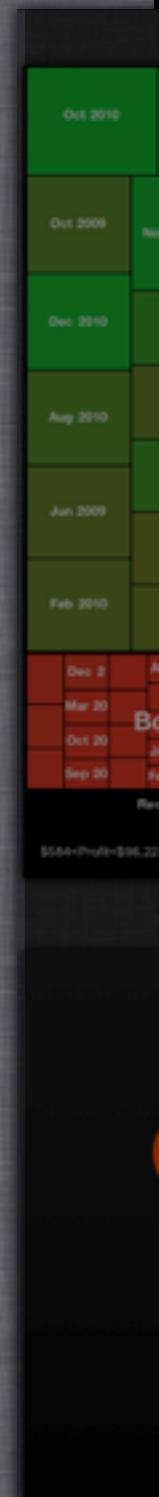
Layout 1



Layout 2



Layout 3

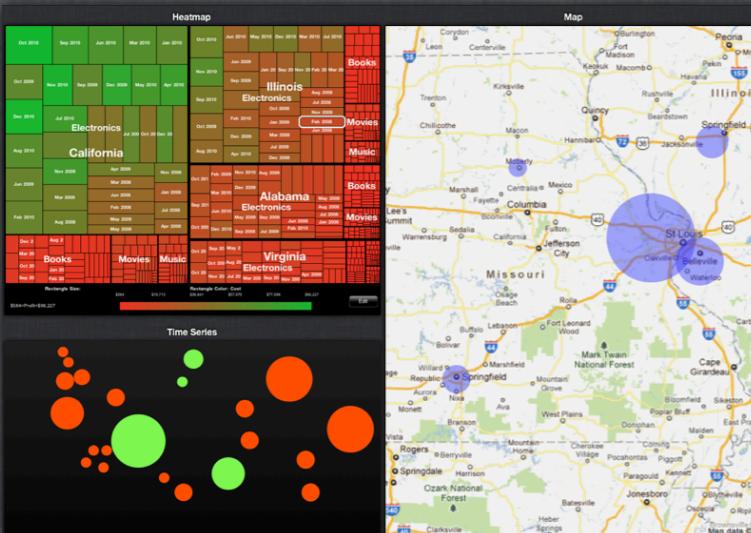


VI Document Title

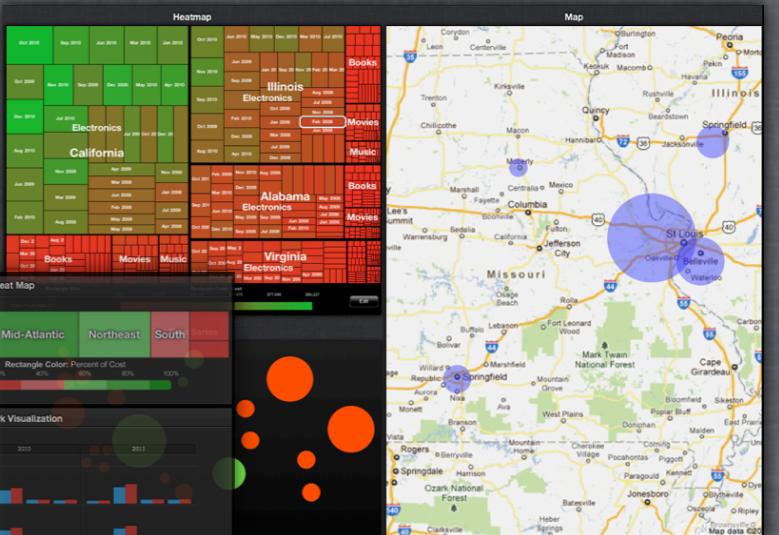
Done

When tap and hold on a layout thumbnail for **250ms**, entering a temporary mode for rearranging layout. All layouts zoom out so that each thumbnail is **200px** wide, center aligned. The zooming animation has a duration of **500ms**. The layout being moved is set to **70%** transparent. Show a placeholder with **30%** black.

Layout 1



Layout 3



Layout 2

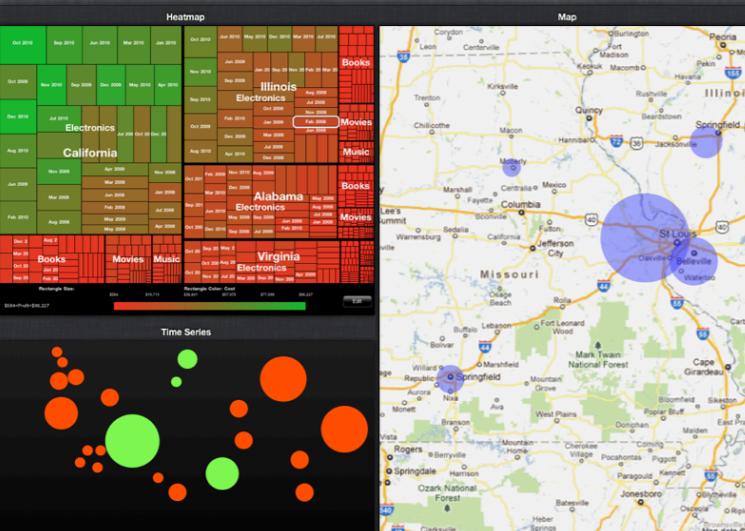


VI Document Title

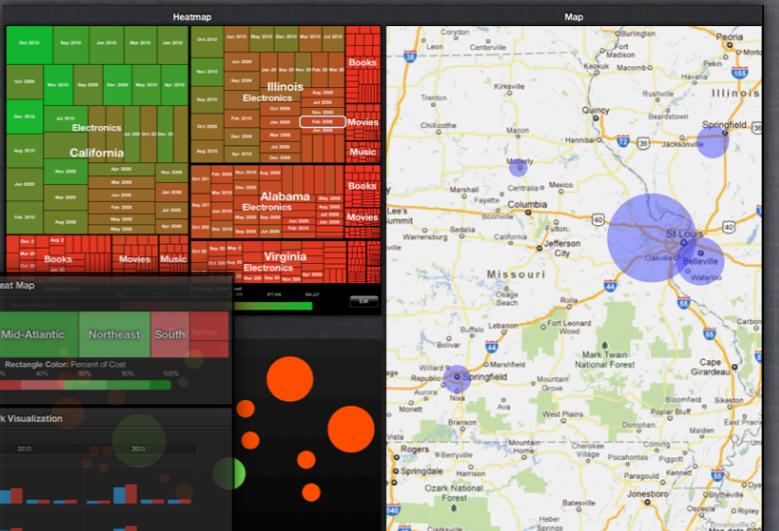
Done

When users drag the layout left or right, move other layout thumbnails accordingly and keep the placeholder in the middle.

Layout 3



Layout 4



Layout 2

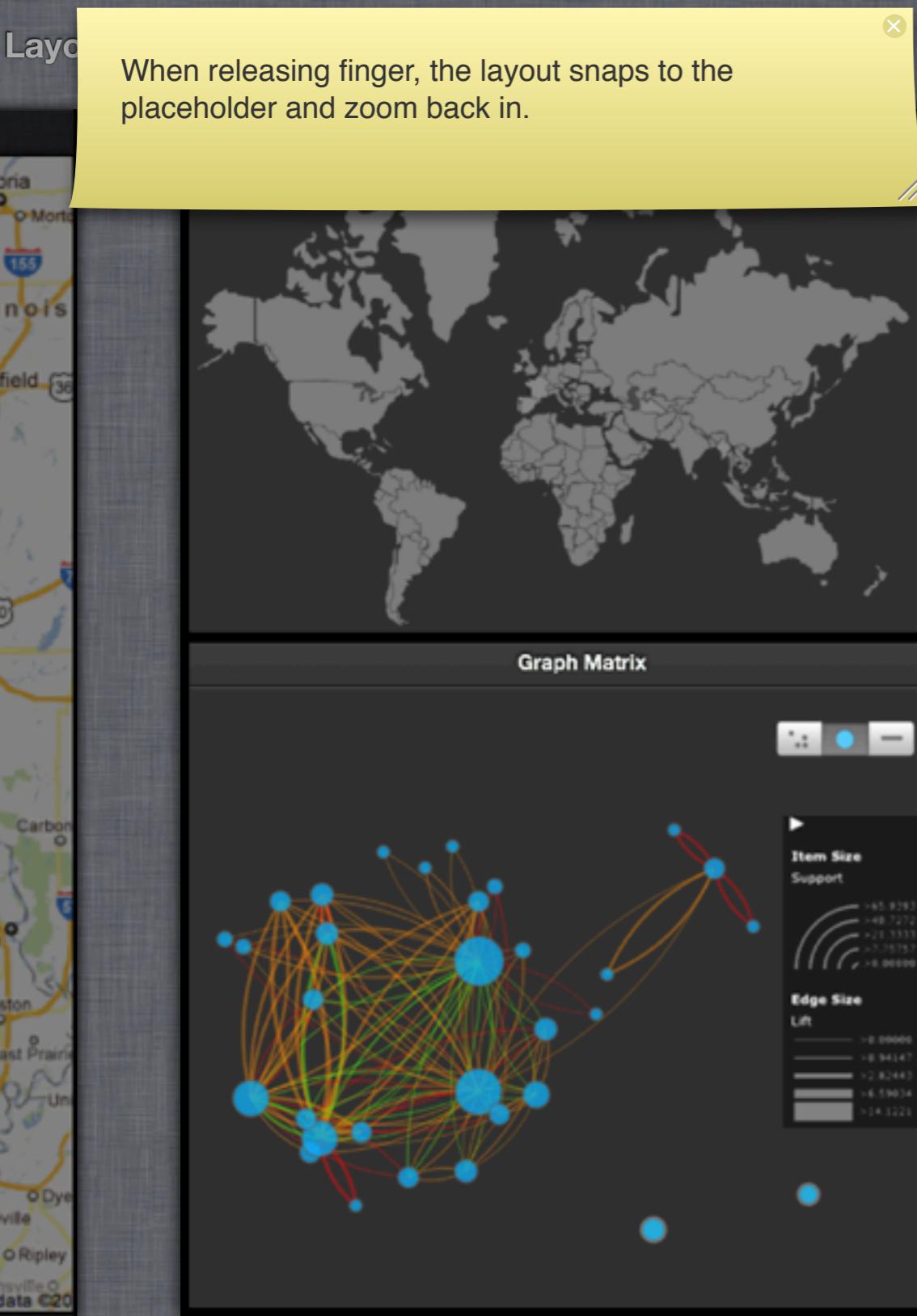


VI Document Title

Done

Layout

When releasing finger, the layout snaps to the placeholder and zoom back in.



Layout 2



Layout 4



- Placeholder image while loading layout

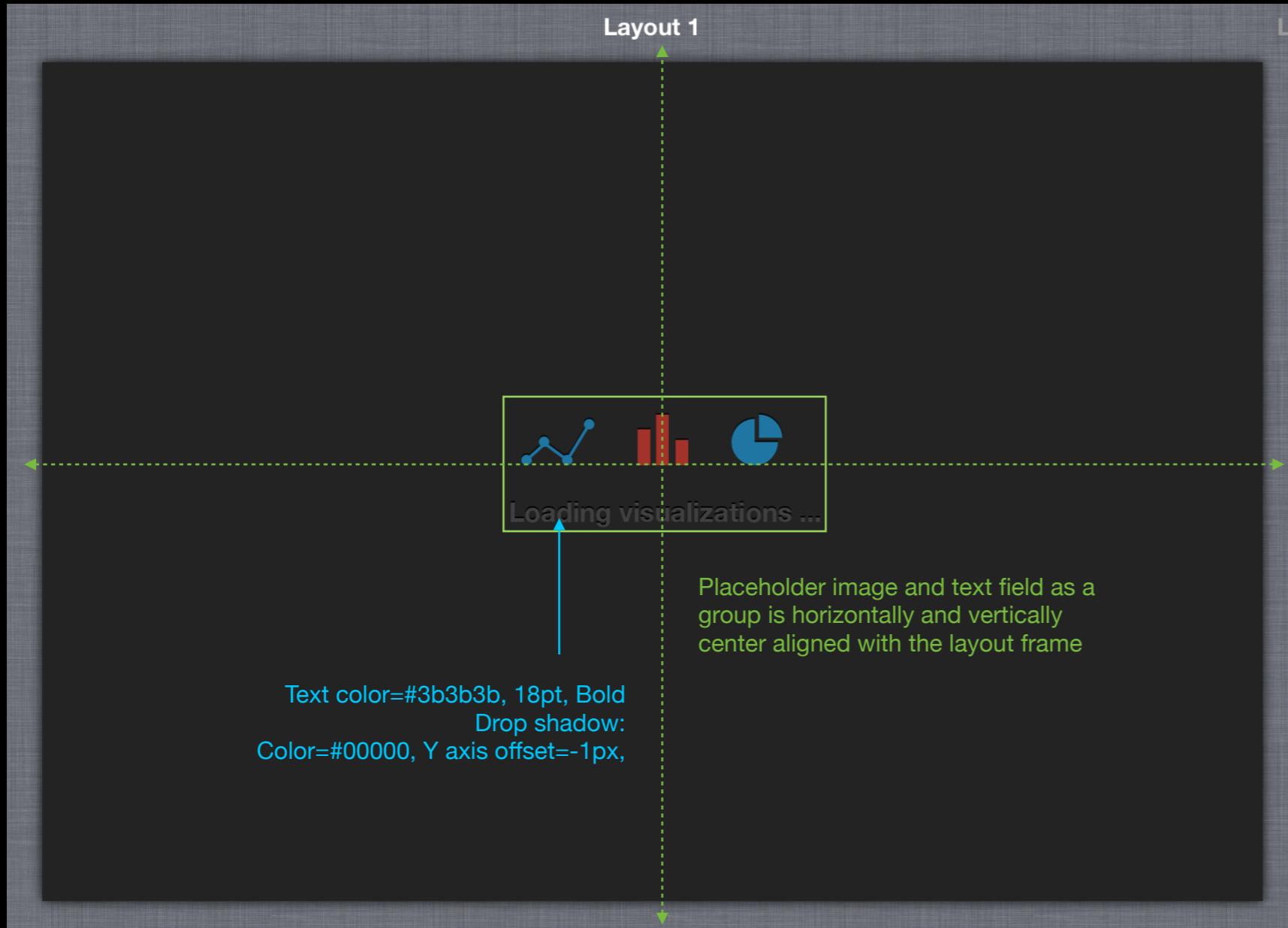


Image:



File name:
five_ios_layout_loading_placeholder(@2X)

Add New Visualization

April 16, 2013

Close



5



Vertical Bar

Grid



Grid

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
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2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
2011	NorthA	Cleopatra	\$493,847
2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
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2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Close

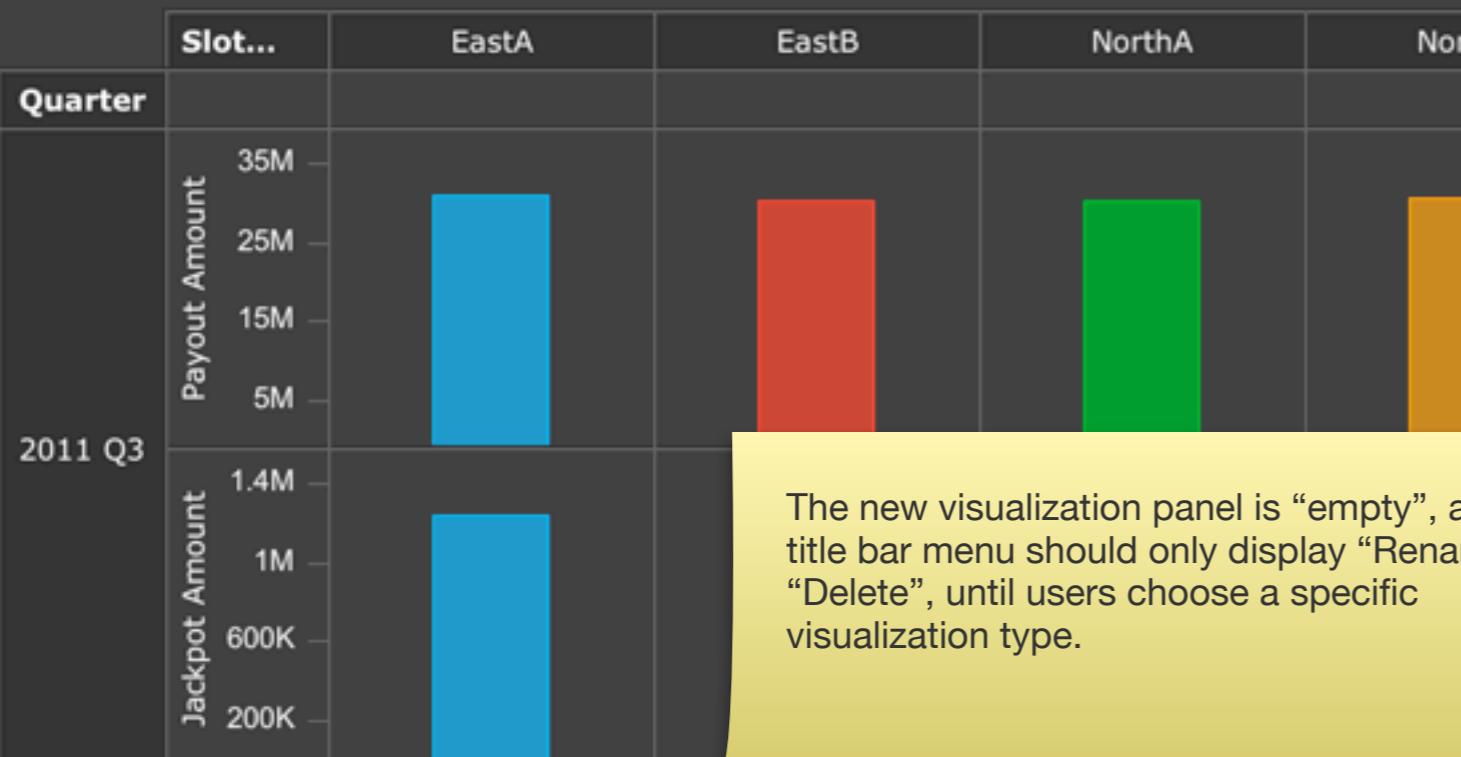
VI Document Title
Current Layout Title

5



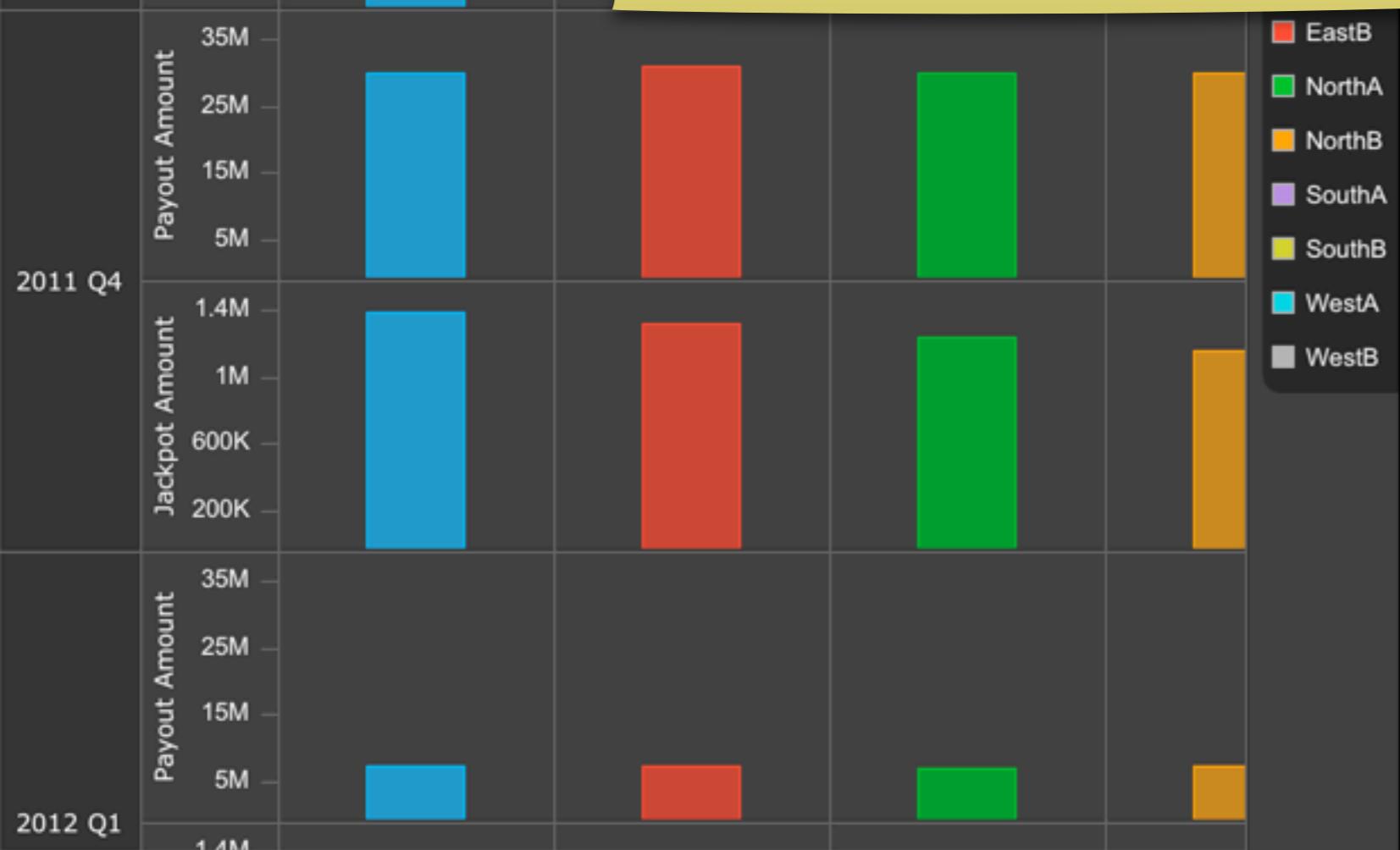
Vertical Bar

Grid



Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
2011	EastA	Winning Bid	\$484,548
2011	EastB	Cleopatra	\$470,734
2011	EastB	Double Diamond Run	\$390,668

Visualization 3



Tap here to choose a visualization type and edit it.

Close



5



Vertical Bar



Grid

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
		Triple Double Wild Cherry	\$406,527
		Winning Bid	\$484,548
		Cleopatra	\$470,734
		Double Diamond Run	\$390.668

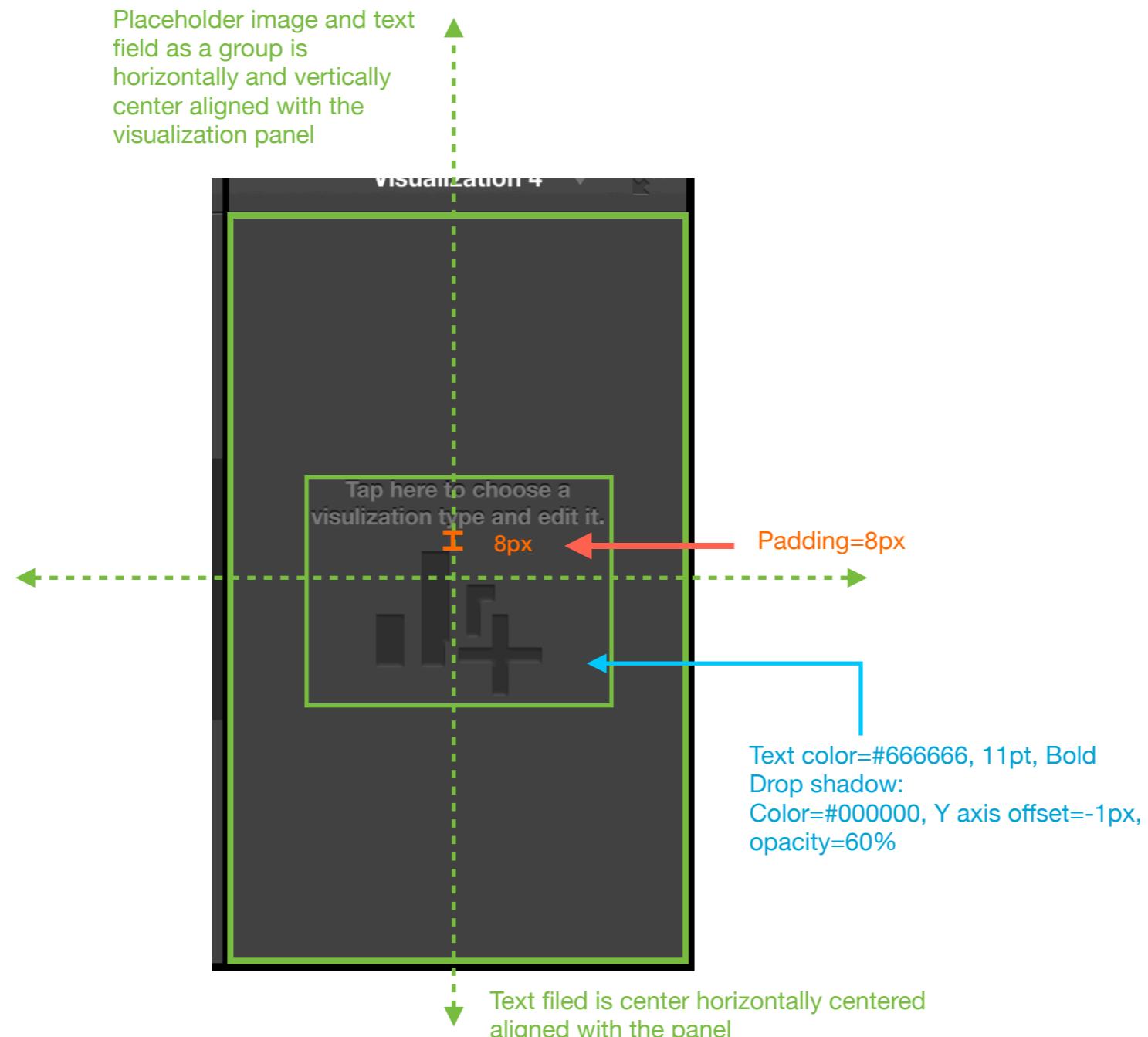
Choose a Visualization Type

A modal dialog titled "Choose a Visualization Type" containing a grid of visualization icons and labels:

- Grid
- Heatmap
- Mapping
- Network
- Bar
- Line
- Area
- Scatter & Bubble
- Pie
- Dual Axis
- Combination

Below the grid, there is a message: "choose a visualization type and edit it."

- add new visualization placeholder for the newly-added visualization panel
-



File name:
ive_ios_add_new_visulization_placeholder(@2x)

Text Field

April 16, 2013

You have several surfaces you can place commands and controls on in your app, including the app window, pop-ups, dialogs, and bars. Choosing the right surface at the right time can mean the difference between an app that's a breeze to use and one that's a burden.

Text Area has the same background color as that of other visualization panels.

Close

Current Layout Title



You have several surfaces you can place commands and controls on in your app, including the app window, pop-ups, dialogs, and bars. Choosing the right surface at the right time can mean the difference between an app that's a breeze to use and one that's a burden.

Edit

Text Options

User can double tap on text field to edit. Single tap on the panel shows menu "Edit" and "Text Options".

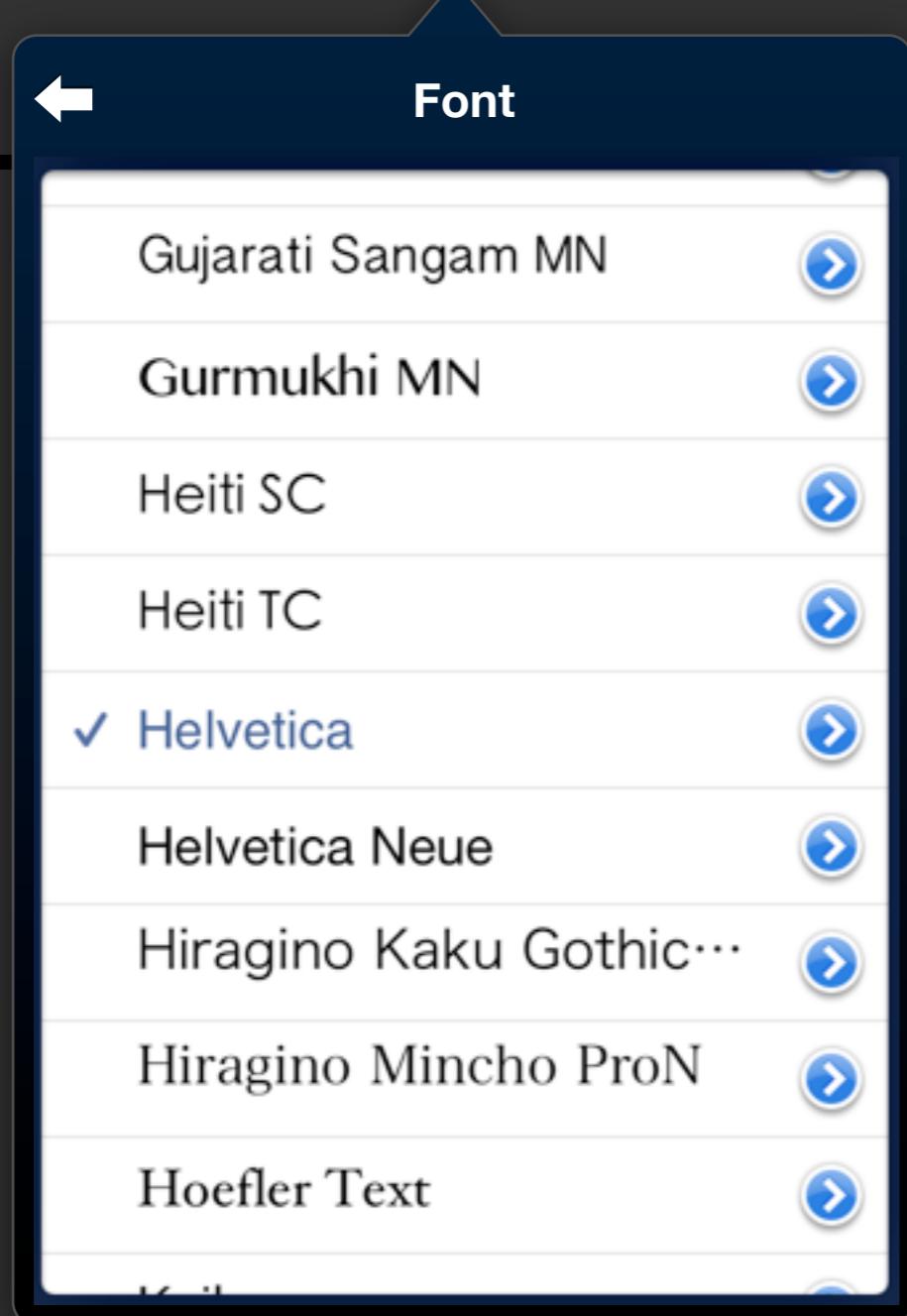


Close

You have several surfaces you can place commands and controls on in your app, including the app window, pop-ups, dialogs, and bars. Choosing the right surface at the right time can mean the difference between an app that's a breeze to use and one that's a burden.



You have several surfaces you can place commands and controls on in your app, including the app window, pop-ups, dialogs, and bars. Choosing the right surface at the right time can mean the difference between an app that's a breeze to use and one that's a burden.



Save and Save As Workflow

April 18, 2013

Close



5



Save changes before closing?

Save**Don't Save****Cancel**

If any change is made on the document and user tap on Close, we should show a popover that prompts user to either “Save” or “Don’t Save”. Tap “Cancel” to go back to document.



Close



5



Vertical Bar



Users choose “Save As” from the system menu to save document with another name.

Save

Save a Copy

Email Screen

Annotate and Share

Year	Slot Location		
2011	EastA		
2011	EastA		
2011	EastA		
2011	EastA	Winning Bid	\$484,548
2011	EastB	Cleopatra	\$470,734
2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
2011	NorthA	Cleopatra	\$493,847
2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Close

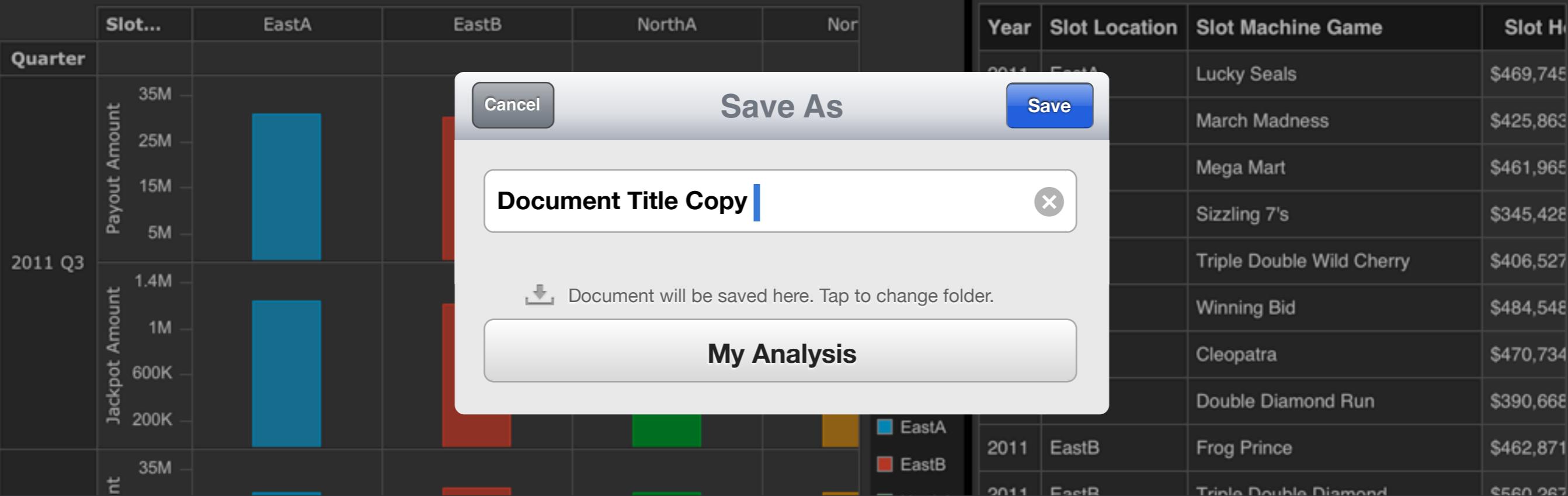


5



Vertical Bar

Grid



Cancel

Save As

Save

Document Title Copy



Document will be saved here. Tap to change folder.

My Analysis

Q

W

E

R

T

Y

U

I

O

P



A

S

D

F

G

H

J

K

L

Search



Z

X

C

V

B

N

M

!

?



123

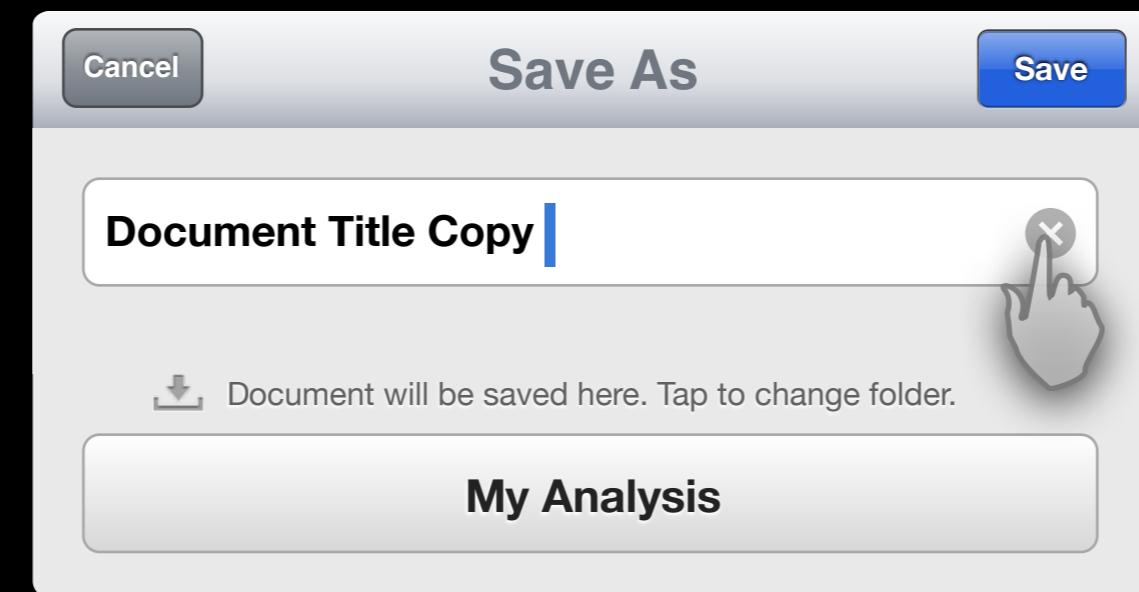


123



- Mask background with 30% black.

420 px wide



220 px high

- Table cell size: 380 by 44 px.
- Title text: 17pt system font bold.
- Folder title text: 17pt system font bold.

- Description text: 14pt system font, color #4d4d4d.

- Button size: 380 x 40 px. Gradient color from #FFFFFF to #CCCCCC.

- Folder title: 17pt, system font bold.

The default document title for "Save As" is "[Current Doc Title] Copy". Users can clear/edit it.

The default destination is the **current folder** ("My Analysis" in this example) where the original doc is.

Users tap on the folder area to extend the dialog and browse folders.

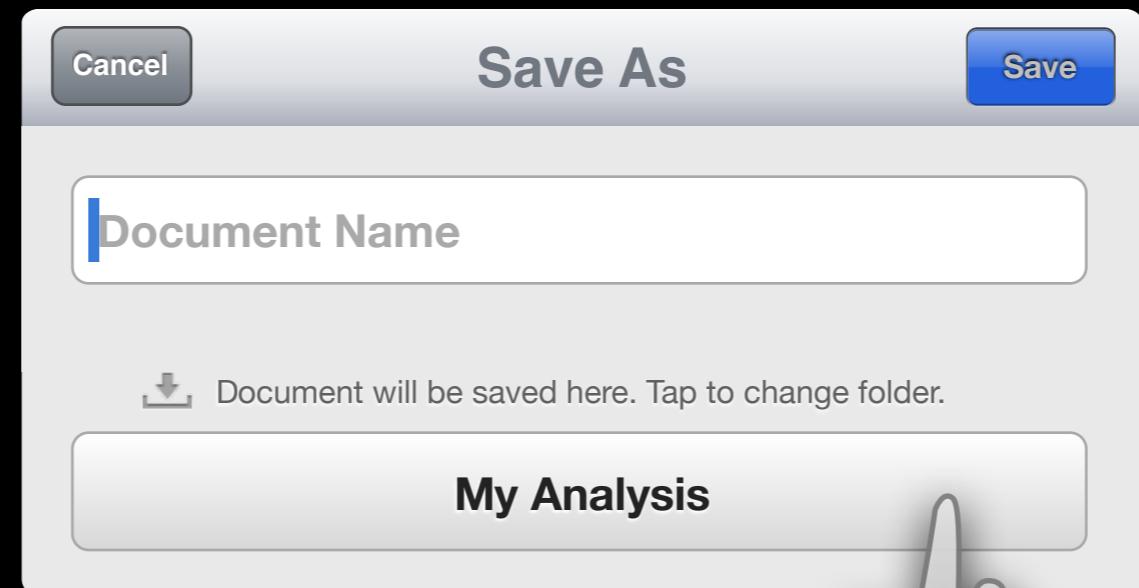


123



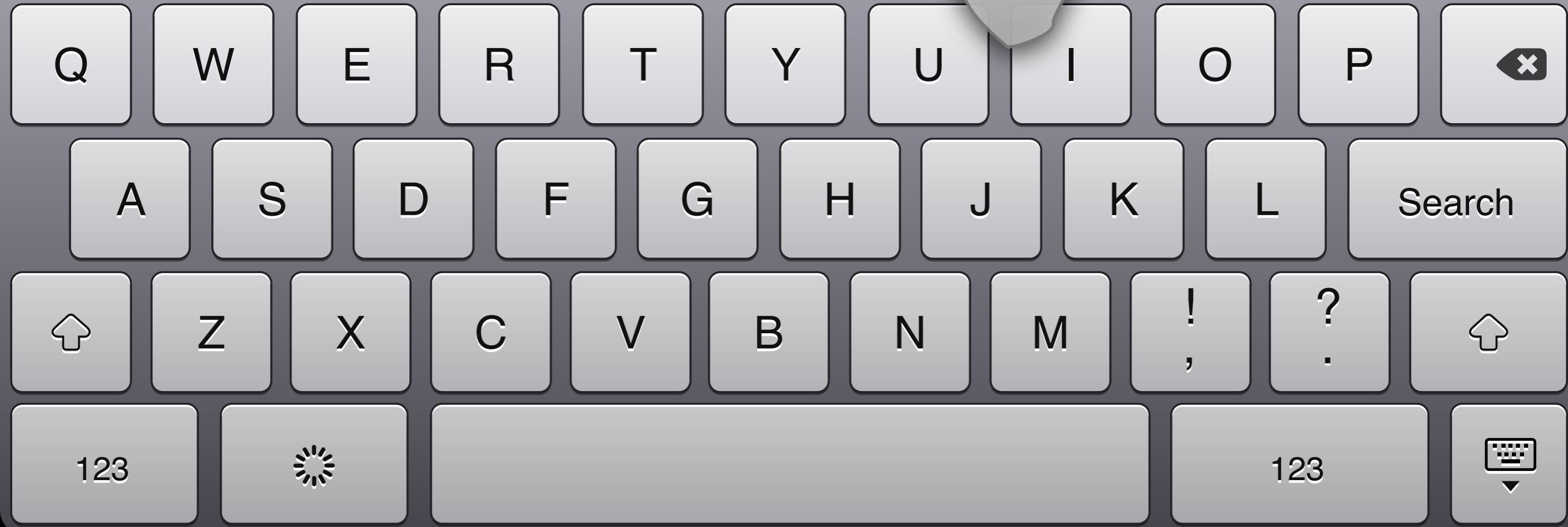
123





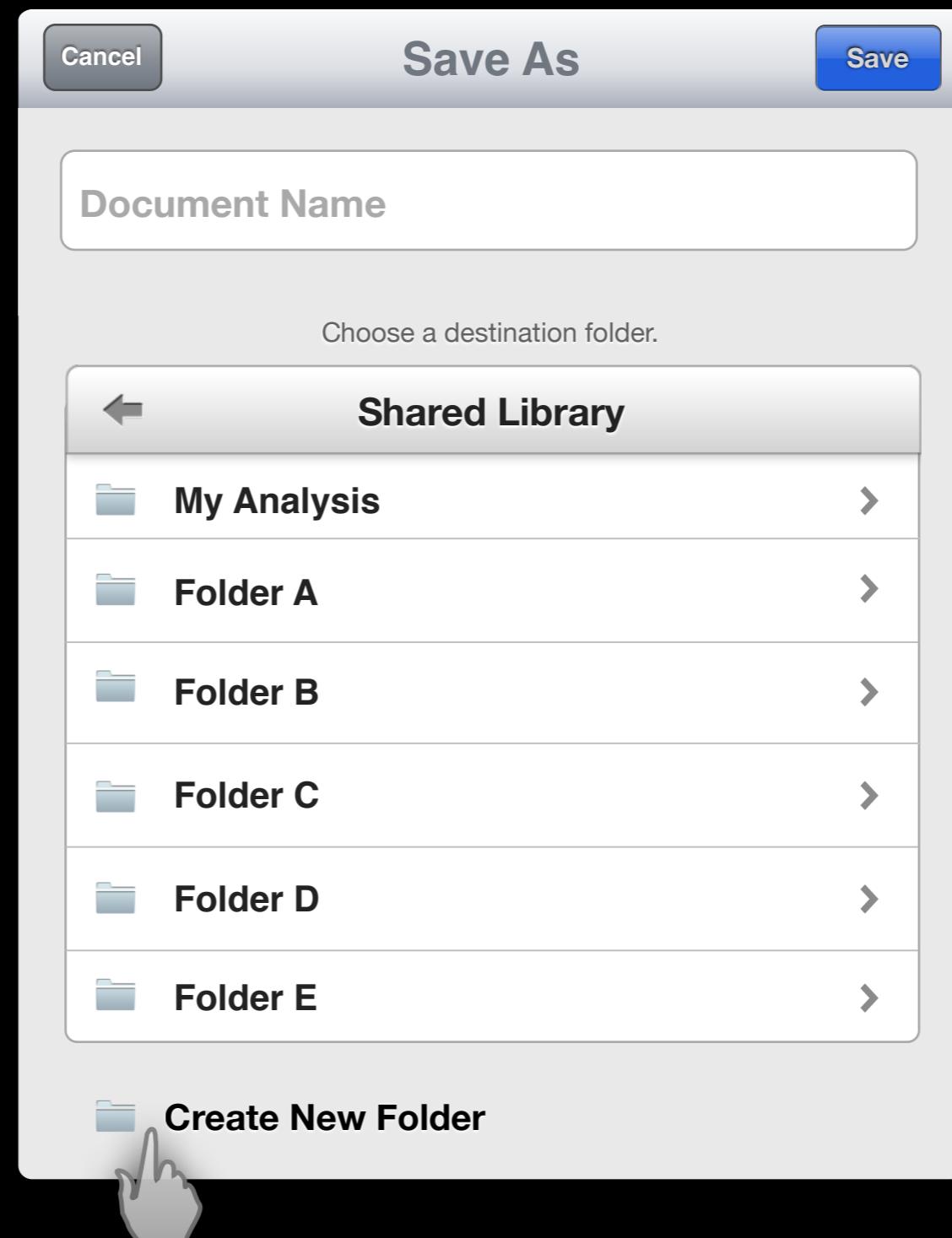
- Save button is grayed out, if users clear title.

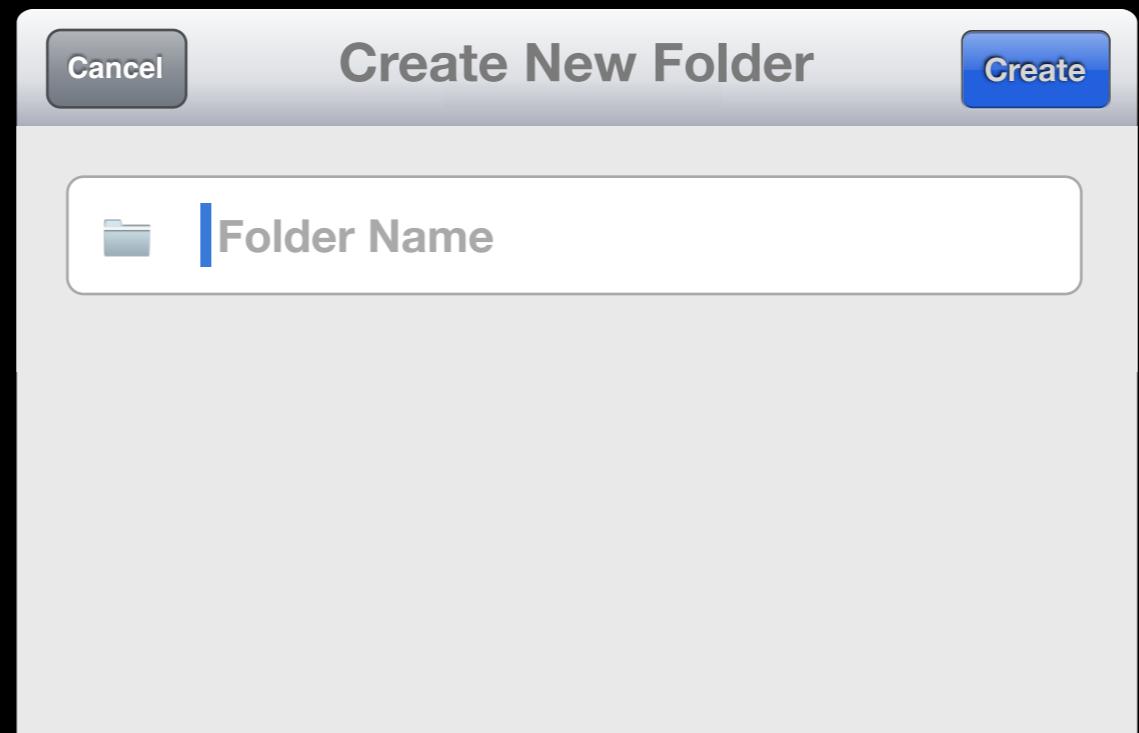
- Show placeholder text: 17pt, color #999999



- Extended Save As dialog with folder browsing. Keyboard is dismissed.
- The table for folder browsing is 380 px wide, using the default UITableView and UITableViewCells appearance.







Q

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Search



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M

!

?

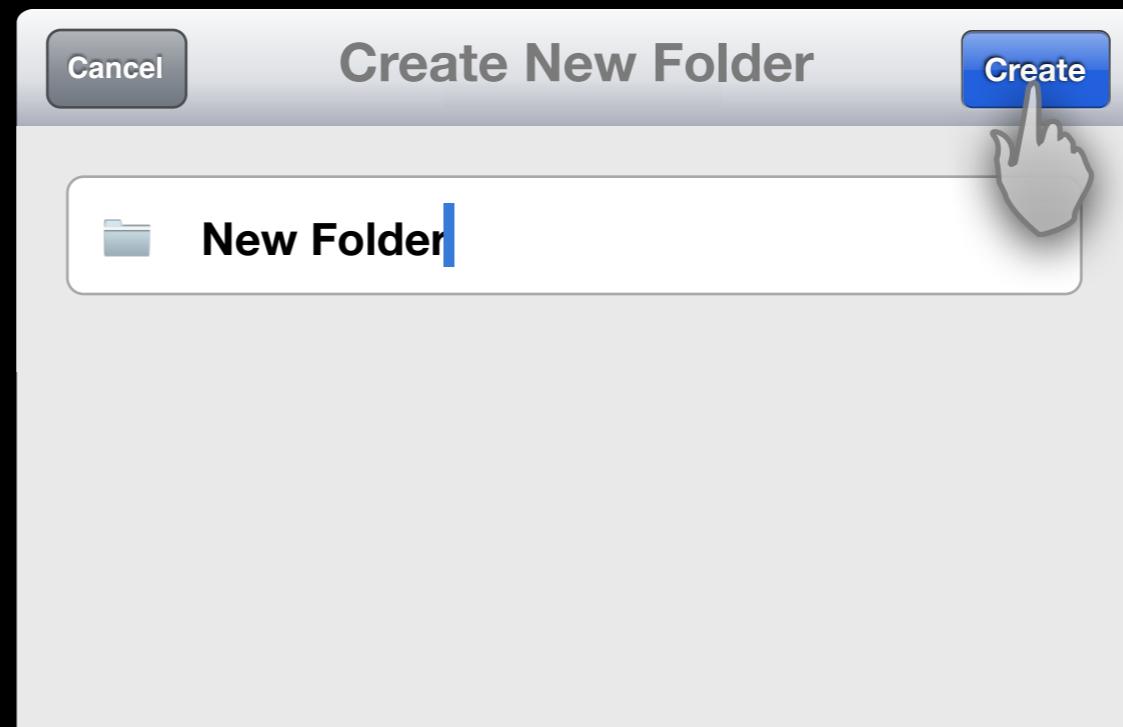


123

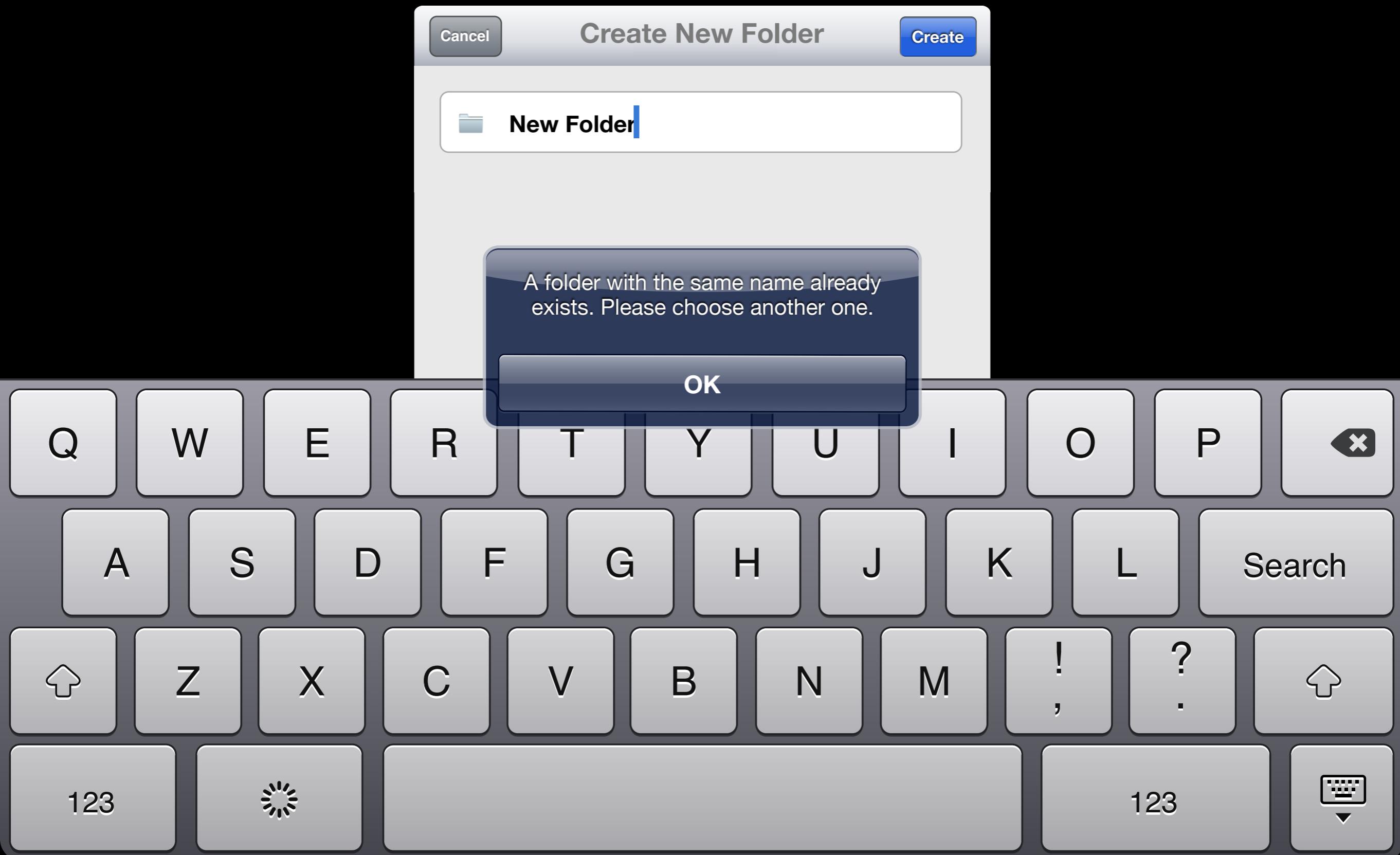


123





- If folder name already exists, show the alert in the center of screen that requires further action.



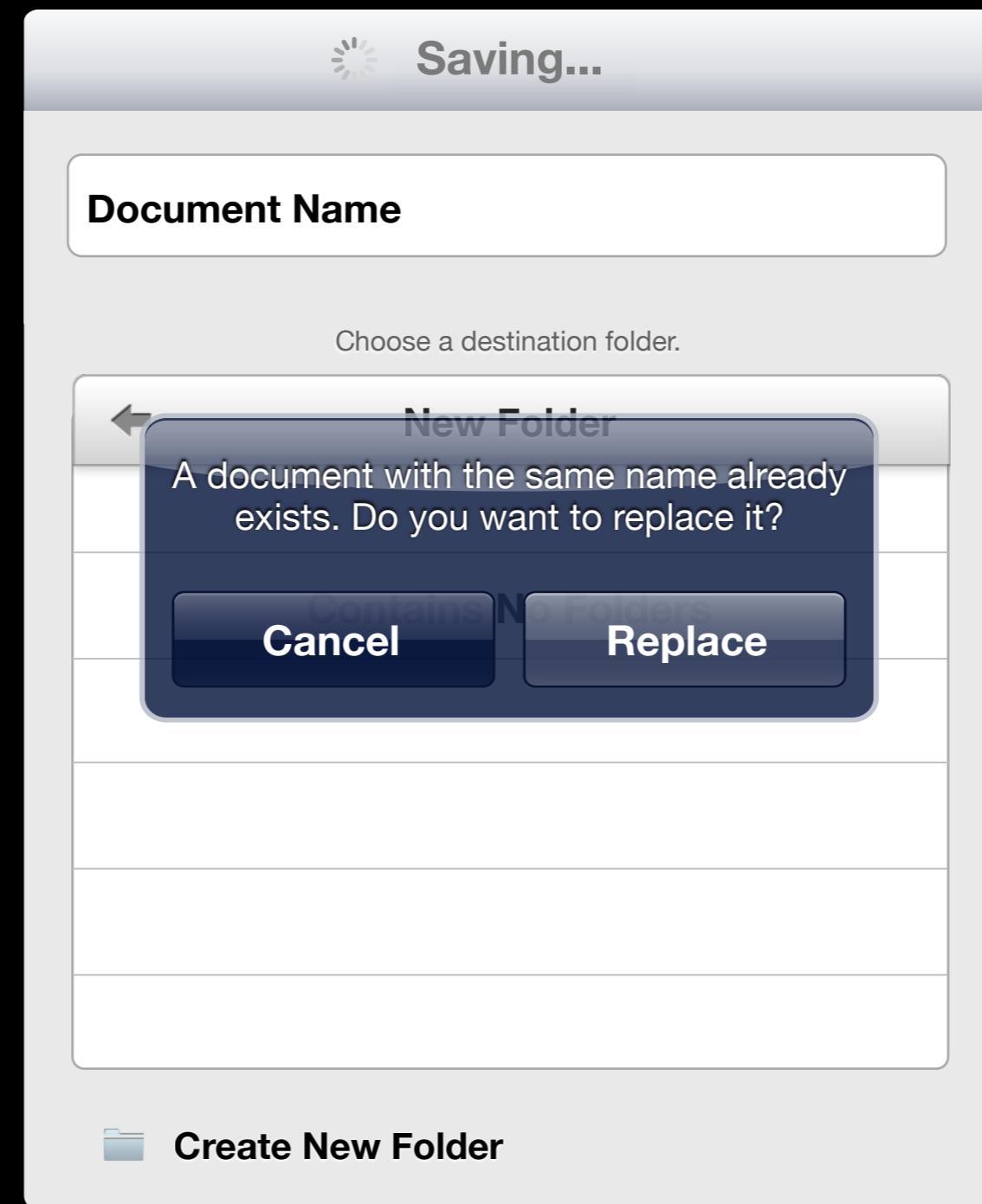
- After a folder is successfully created, we should navigate into this new folder.



- When users tap “Save”, show a temporary “Saving...” and spinning wheel on title bar, as a visual indicator of saving in progress.



- If document already exists, show the alert in the center of screen that requires further action. Tap “Cancel” goes back to Save As dialog; Tap “Replace” to overwrite the existing document.



• icon to indicate the save as destination, back button

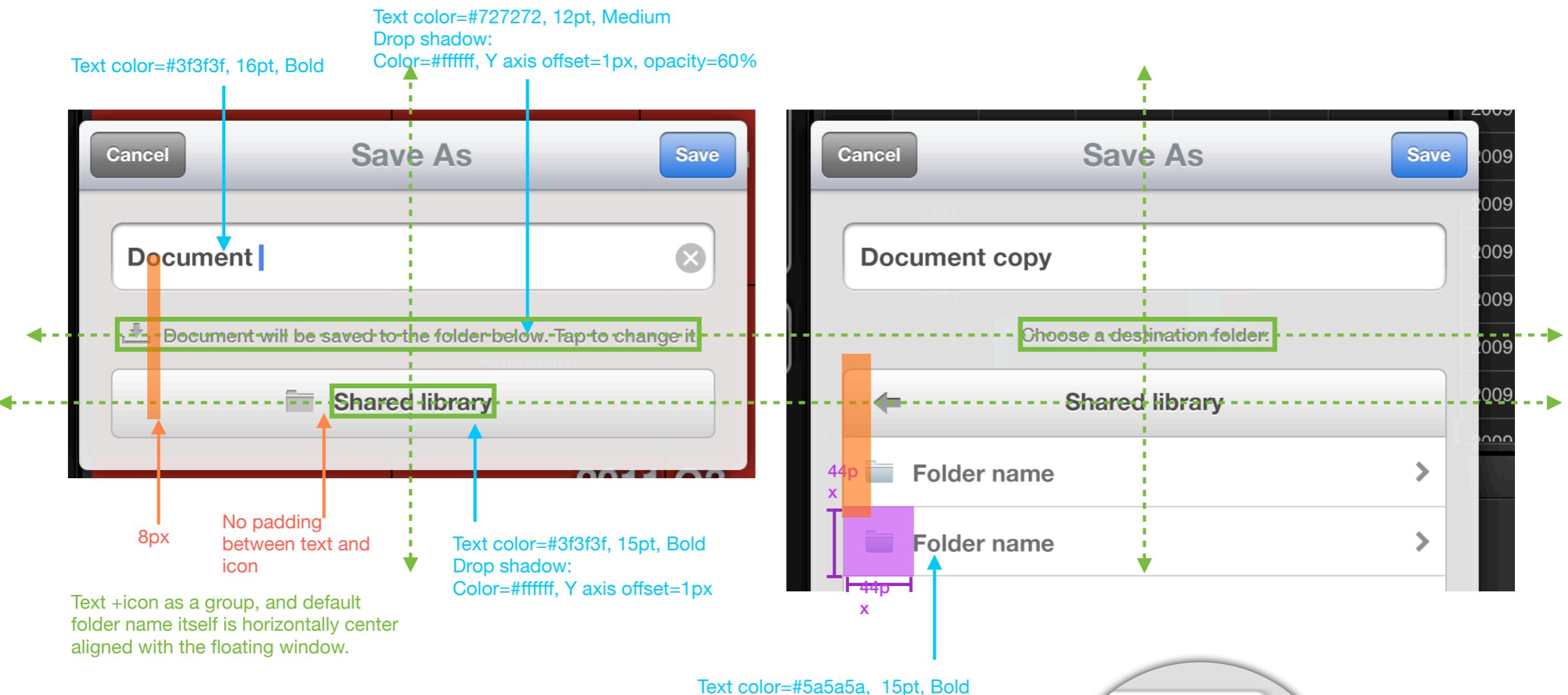


Image:



File name:
ive_ios_save_as_location_icon(@2x)



File name:
ive_ios_save_as_back_button(@2x)



File name:
ive_ios_save_as_folder_icon(@2x)

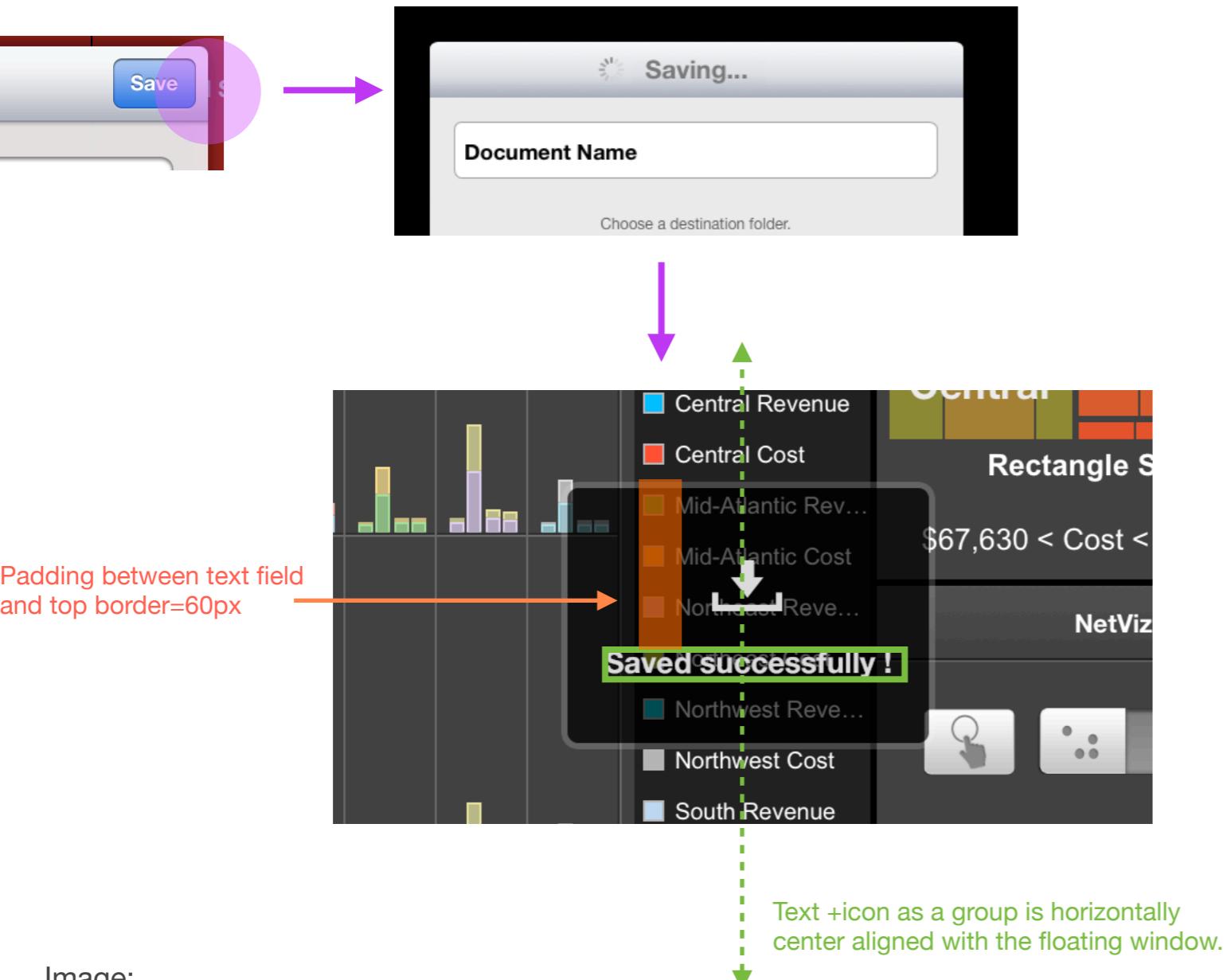


Text field border color=#b7b7b7,
weight=1px



File name:
ive_save_as_folder_navigation_header@2x

• Save as successfully window

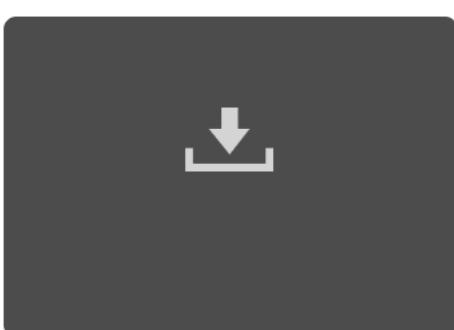


-User wont be able to interactive with anything while this message is showing

Animation:

- 1-Saving window fade out (duration is around 300msec)
- 2-Saved successfully window fade in (delay around 200msec from animation1, and duration is around 300msec)
- 3-Saved successfully window stay for around 1 sec and 300 msec
- 4-Saved successfully window fade out (duration is around 300msec)

Image:



File name:
live_ios_save_as_saved_successfully_window(@2x)

Filter and Page-By

June 23, 2013

Close

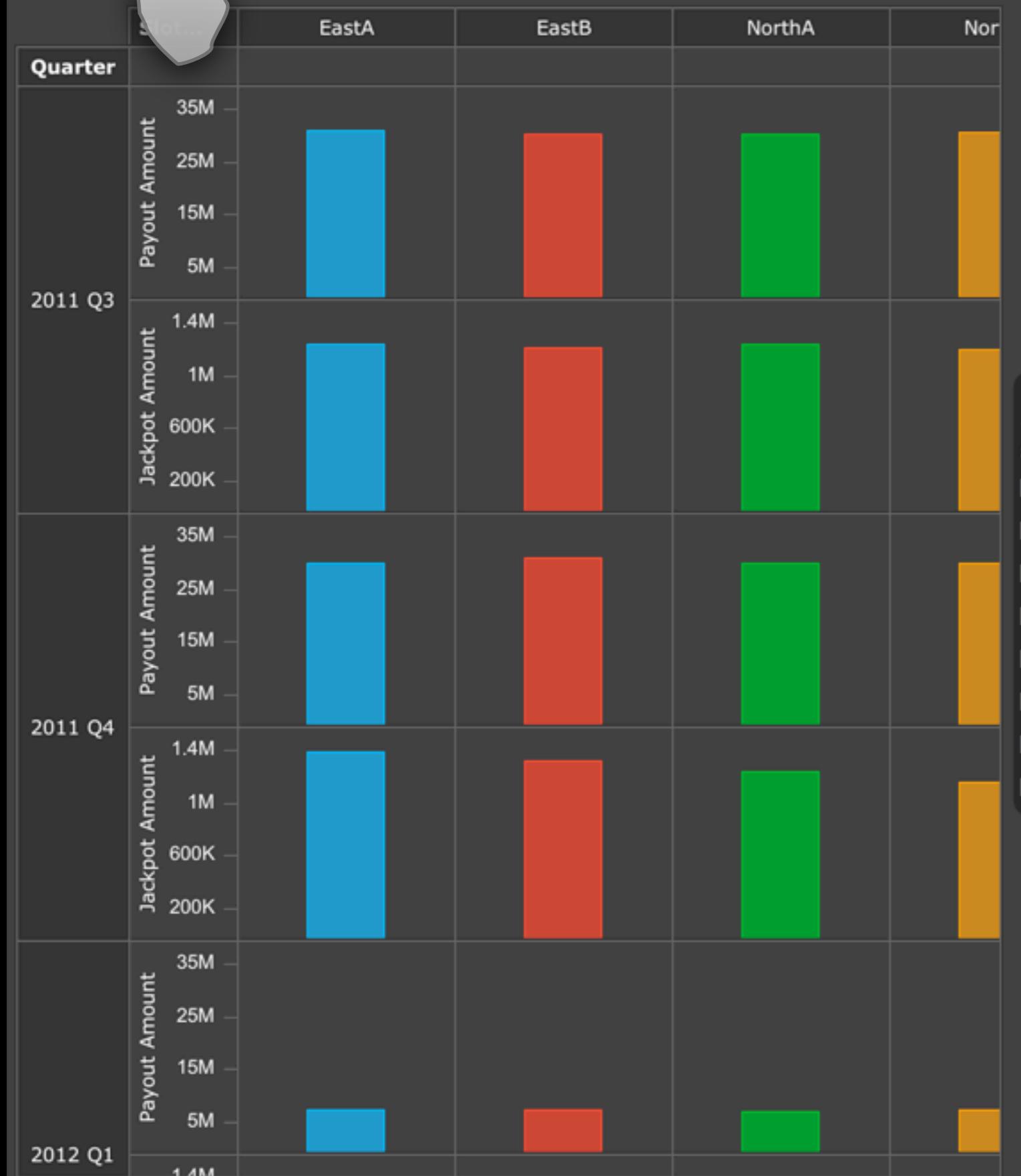
VI Document Title
Current Layout Title

5



Vertical Bar

Grid



Grid

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Lucky Seals	\$469,745
2011	EastA	March Madness	\$425,863
2011	EastA	Mega Mart	\$461,965
2011	EastA	Sizzling 7's	\$345,428
2011	EastA	Triple Double Wild Cherry	\$406,527
2011	EastA	Winning Bid	\$484,548
2011	EastB	Cleopatra	\$470,734
2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
2011	NorthA	Cleopatra	\$493,847
2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827
2011	NorthB	Double Ten Times Pay	\$392,236

Close



5



Filters ▾

(Slot Hold/Coin In)



(0.45%)



8.09%

Coin In



\$1,144,269.75



\$33,756,728.97

Slot Location

Slot Machine Make

Quarter

Slot Machine Model

+ Add New Filter

Close



Filters ▾

(Slot Hold/Coin In)



(0.45%)

8.09%

Coin In



\$1,144,269.75

\$33,756,728.97

Slot Location

Slot Machine Make

Quarter

Slot Machine Model

+ Add New Filter

- Cancel **Sample Data** Done
- Call Center
 - Category
 - Profit
 - Quarter ✓
 - Region
 - Revenue ✓
 - Profit Margin ✓

Close

**Filters****Clear All Filters****Edit Filters****Auto-apply**

ON

Coin In

\$1,144,269.75



\$33,756,728.97

Slot Location**Slot Machine Make****Quarter****Slot Machine Model****+ Add New Filter**

- Clear All Filters: unset all filters
- Edit Filters: entering edit filter mode

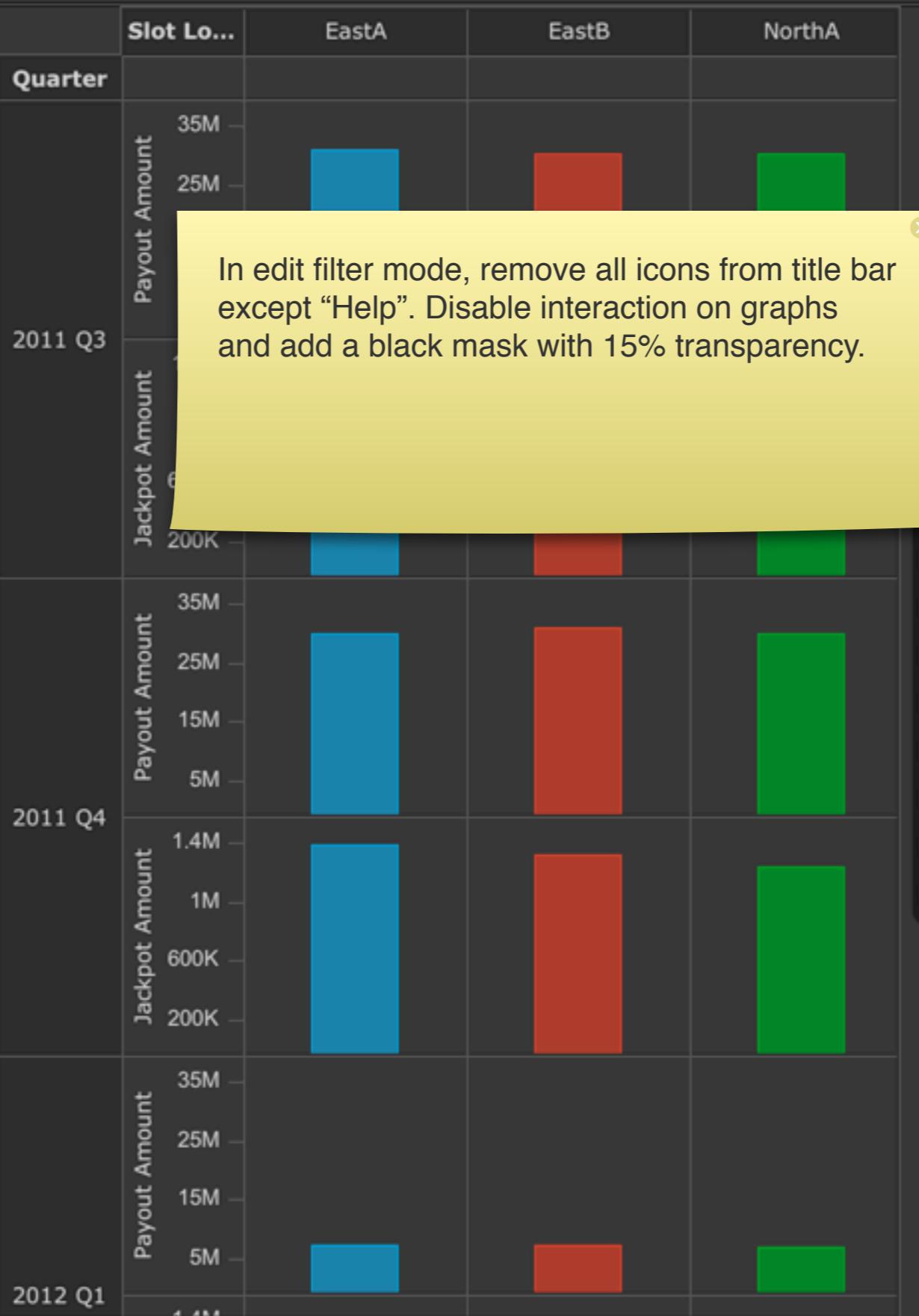
Edit Filters

Done

(Slot Hold/Coin In)**Coin In****Slot Location****Slot Machine Make****Quarter****Slot Machine Model**

Vertical Bar ▾

Grid ▾



Year	Slot Location	Slot M...
2011	EastA	Lucky S...
2011	EastA	March M...
2011	EastA	Mega M...
2011	EastA	Sizzling...
2011	EastA	Triple D...
2011	EastA	Winning...
2011	EastB	Cleopat...
2011	EastB	Double D...
2011	EastB	Frog Pr...
2011	EastB	Triple D...
2011	EastB	Video F...
2011	NorthA	Big Gar...
2011	NorthA	Cleopat...
2011	NorthA	Geo Ge...
2011	NorthA	Ring Qu...
2011	NorthA	Tabasc...
2011	NorthA	Triple F...
2011	NorthB	Double D...
2011	NorthB	Double D...
2011	NorthB	Double D...

Edit Filters

Done

-(Slot Hold/Coin In)

-(Coin In)

-(Slot Location)

-(Slot Machine Make)

-(Quarter)

-(Slot Machine Model)

Properties

Include

Exclude

Show Filter As

List

Search Bar Only

Slider

Single Selection Only

Multiple Selection

Single selection or multiple selection are only available when **List** or **Search Bar Only** is selected as filter style.



Edit Filters

Done

-

(Slot Hold/Coin In)

-

Coin In

-

Slot Location

-

Slot Machine Make

-

Quarter

-

Slot Machine Model

Properties

Include



Exclude

Show Filter As

Slider

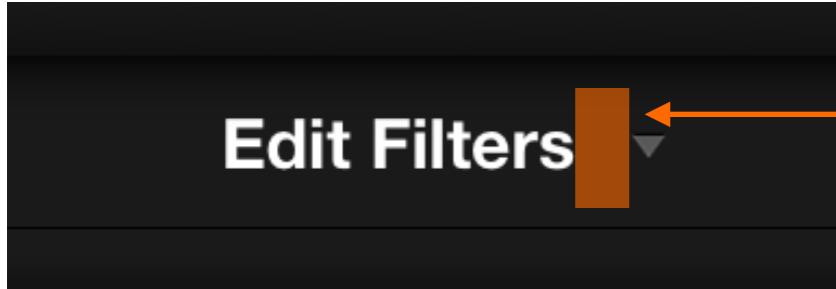


Qualification

•Filter panel edit drop down arrow and reorder handle

•attribute and metric type in pop-over list

Remove “Gear” icon, and use drop down triangle to activation the pop-over menu.



13p

X

Replace with new icon

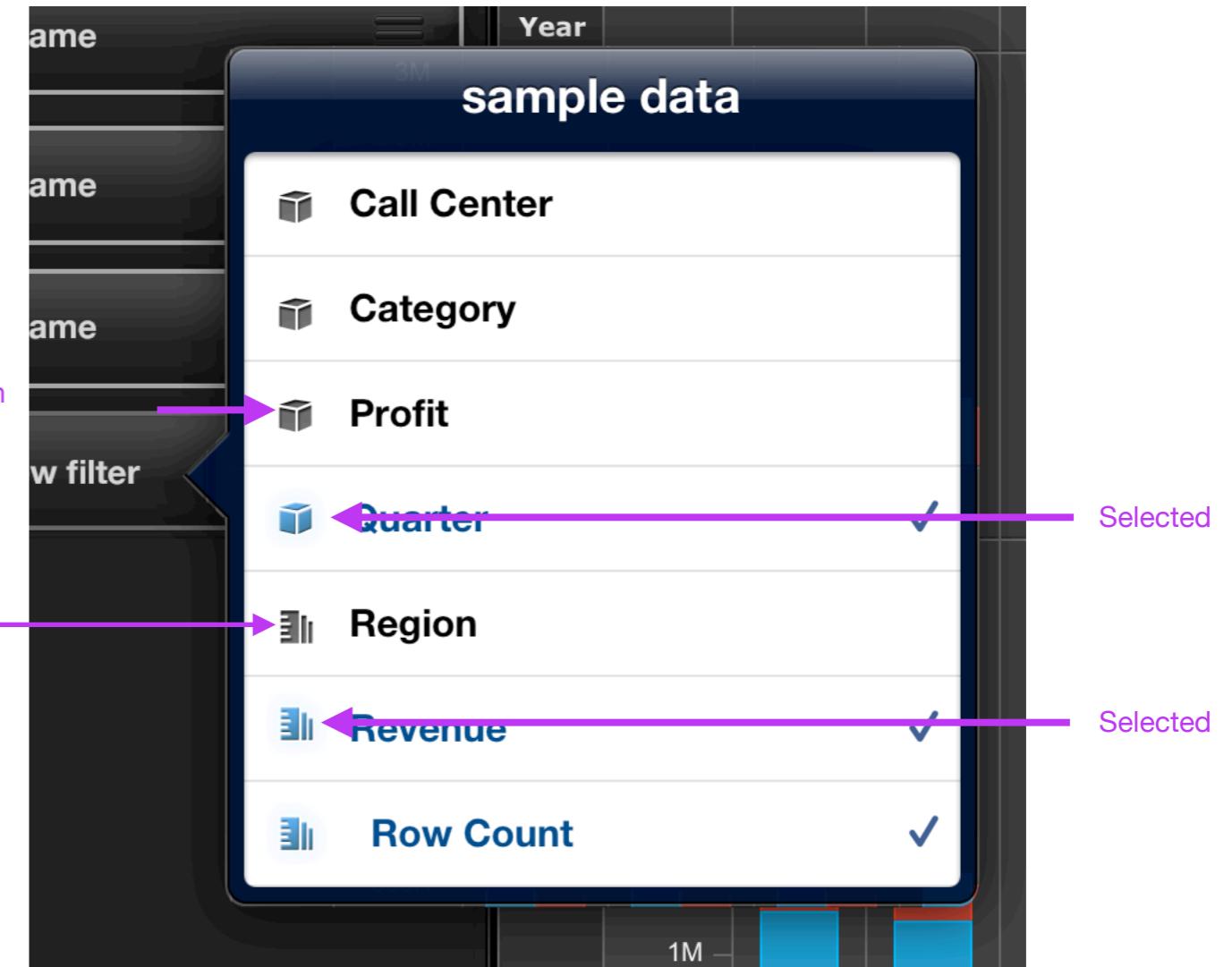


Image:



File name:
ive_ios_filter_edit_reorder_handle(@2x)



File name:
ive_ios_attribute_icon_inPopover(@2x)



File name:
ive_ios_metric_icon_inPopover(@2x)



File name:
visualization_drop_down_triangle(@2x)



File name:
ive_ios_metric_icon_inPopover_selected(@2x)



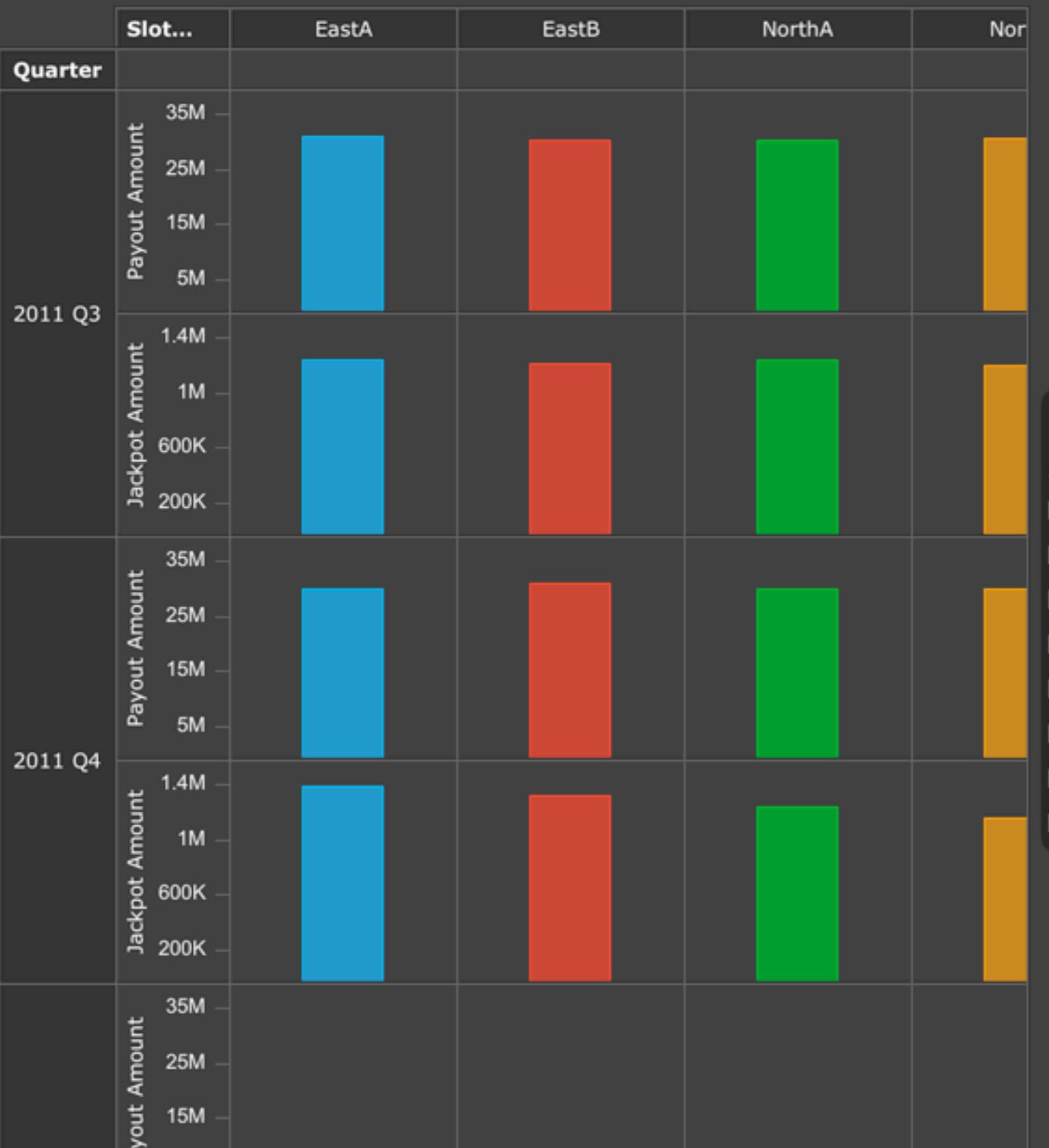
Close



5



Vertical Bar



If Page By is configured on Web, we show a bar at the bottom for interacting with page by attribute.

If users configure the style as slider, we should show a slider.

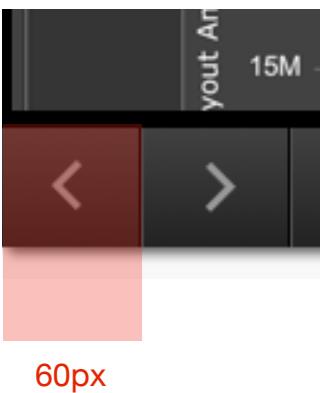
Year	Slot Location	Slot Machine Game	Slot H
2011	EastB	Cleopatra	\$470,734
2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
2011	NorthA	Cleopatra	\$493,847
2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827

January



Padding between page-by bar and visualization panel is 4px.

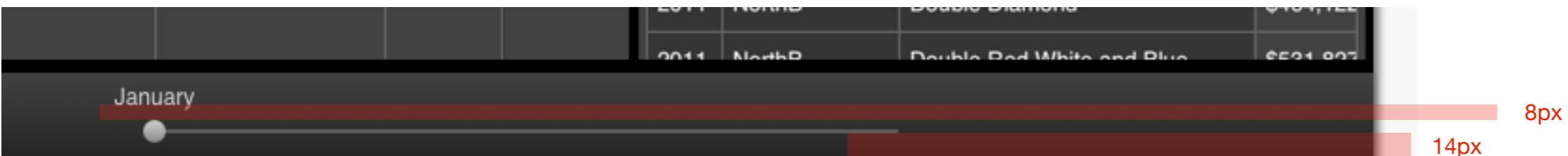
Page-by bar height is 48px, and uses gradient fill color from #323232 to black.



Separator: 1px thick, color #3F3F3F;

Separator drop shadow: shadow color = black, shadow offset = (-1, 0), shadow opacity = 100%.

60px



Slider: 400px long, 2px high, color #4C4C4C. Slider has the same padding to the separator on its left and the right edge of the screen.

Slider thumb: 12 by 12px, but should have a touchable area of 40 by 40px. Gradient color from #CCCCCC to #9A9A9A. When users drag on it, the thumb should remain focus until users release the finger.

Tooltip that shows the current element: system font regular, 12pt, color #CCCCCC. Tooltip is centered with the thumb. It should move with the thumb when users drag the thumb. Text changes when a new value is selected.

Close

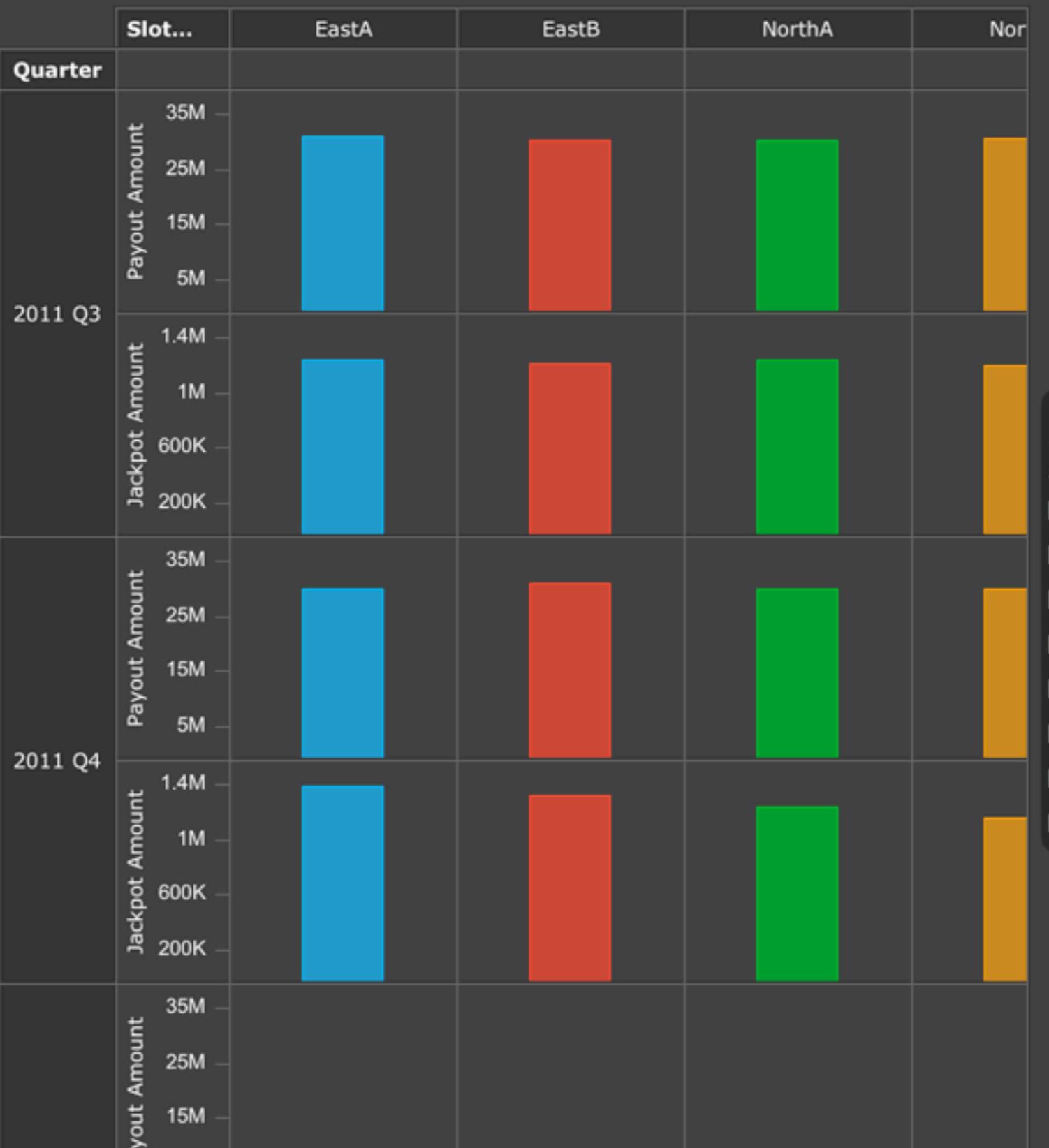


5



Vertical Bar

Grid



Grid

Unless it is configured as slider, we show it as a list of attribute element.

Year	Slot Location	Slot Machine Game	Slot H
2011	EastA	Triple Double Wild Cherry	\$69,745
2011	EastA	Double Diamond	\$25,863
2011	EastB	Double Diamond Run	\$61,965
2011	EastB	Frog Prince	\$45,428
2011	EastB	Triple Double Diamond	\$406,527
2011	EastA	Winning Bid	\$484,548
2011	EastB	Cleopatra	\$470,734
2011	EastB	Double Diamond Run	\$390,668
2011	EastB	Frog Prince	\$462,871
2011	EastB	Triple Double Diamond	\$560,267
2011	EastB	Triple Double Stars	\$412,217
2011	EastB	Video PokerTM	\$439,586
2011	NorthA	Big Game Bonus Hunter	\$376,904
2011	NorthA	Cleopatra	\$493,847
2011	NorthA	Geo Gems	\$544,571
2011	NorthA	Ring Quest	\$492,718
2011	NorthA	Tabasco	\$424,563
2011	NorthA	Triple Five Times PayTM	\$383,744
2011	NorthB	Double Diamond	\$464,122
2011	NorthB	Double Red White and Blue	\$531,827



January

February

March

April

May

June

July

August

September

October

Nov

January

February

March

April

May

June

July

August

September

October

Nov

Attribute element list:

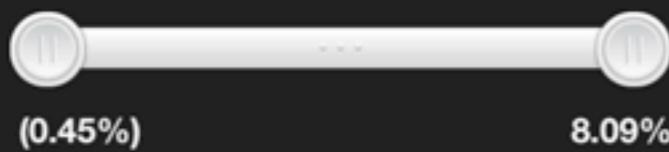
- System font, 14pt
- The current selected element color is #CCCCCC.
- Other element's color is #999999.
- All elements vertically centered in the bar.
- Horizontally, all attribute elements are equally distributed, and the padding between each element is 36px. If the bar cannot fit all elements, users should be able to scroll to see more elements.
- The left most element should have 18px padding to the separator on its left.
- If scrolling to the last element, it should have 18px padding to the right screen edge.

Close



Filters ▾

(Slot Hold/Coin In)



Coin In



Slot Location

Slot Machine Make

Quarter

Slot Machine Model

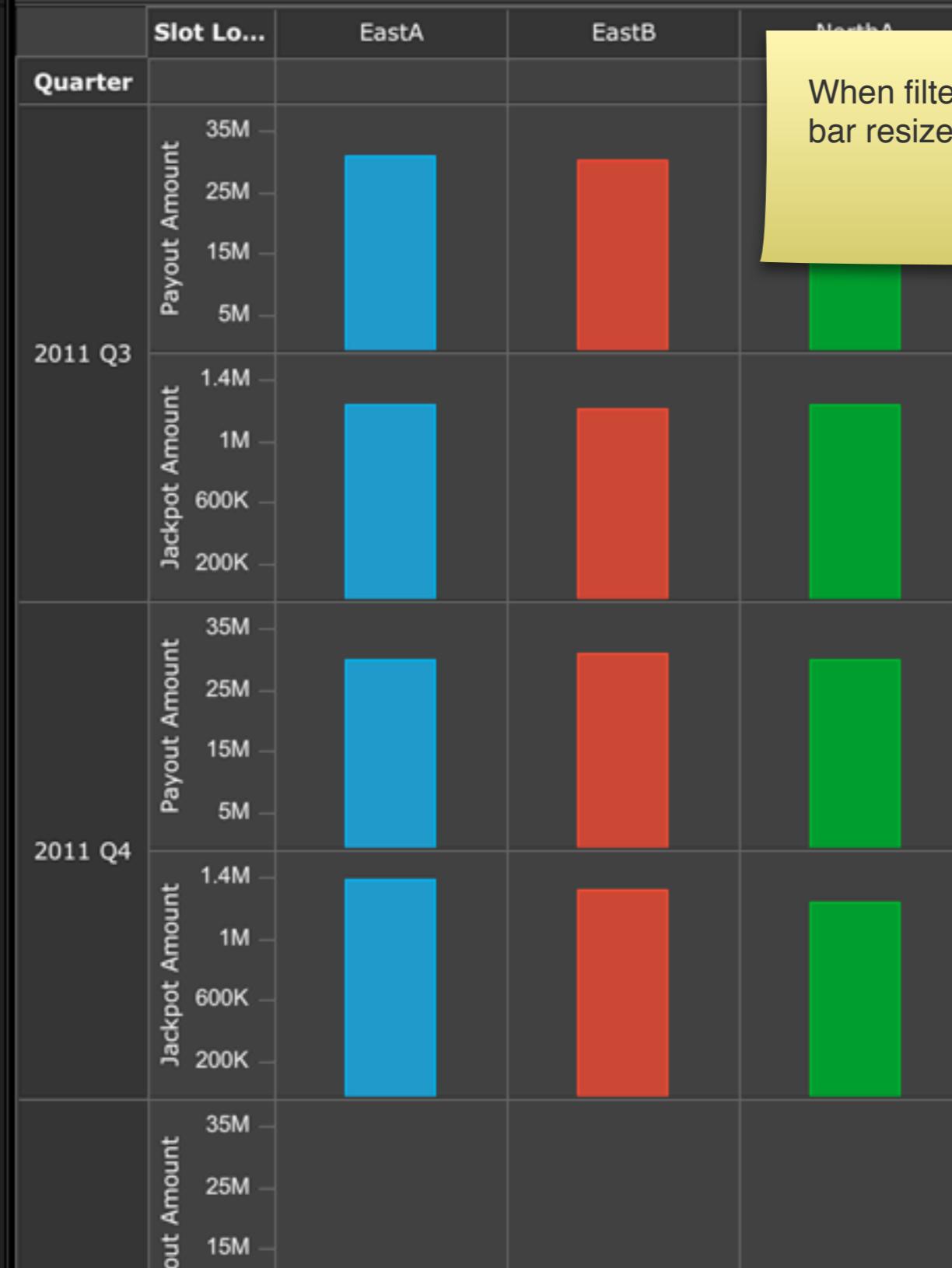
Add New Filter

January



Vertical Bar ▾

Grid ▾



When filter panel is open, the page by bar resizes as well.

Slot Location	Color
EastA	Blue
EastB	Red
NorthA	Green
NorthB	Yellow
SouthA	Purple
SouthB	Light Blue
WestA	Cyan
WestB	Grey

Slot Machine Model	Year	Location	Model Name
Lucky 7	2011	EastA	Sizzling
March M	2011	EastA	Triple D
Mega M	2011	EastA	Winning
Cleopat	2011	EastB	Double
Frog Pr	2011	EastB	Triple D
Triple D	2011	EastB	Winning
Cleopat	2011	EastB	Double
Frog Pr	2011	EastB	Triple D
Video F	2011	EastB	Winning
Big Gar	2011	NorthA	Cleopat
Cleopat	2011	NorthA	Geo Ge
Geo Ge	2011	NorthA	Ring Qu
Ring Qu	2011	NorthA	Tabasc
Tabasc	2011	NorthA	Triple F
Double	2011	NorthB	Double

Close



Filters ▾

(Slot Hold/Coin In)



Coin In



Slot Location

Slot Machine Make

Quarter

Slot Machine Model

Add New Filter

Vertical Bar ▾



Grid ▾

Year	Slot Location	Slot M...
2011	EastA	Lucky S...
2011	EastA	March M...
2011	EastA	Mega M...
2011	EastA	Sizzling...
2011	EastA	Triple D...
2011	EastA	Winning...
2011	EastB	Cleopat...
2011	EastB	Double D...
2011	EastB	Frog Pr...
2011	EastB	Triple D...
2011	EastB	Triple D...
2011	EastB	Video F...
2011	NorthA	Big Gar...
2011	NorthA	Cleopat...
2011	NorthA	Geo Ge...
2011	NorthA	Ring Qu...
2011	NorthA	Tabasc...
2011	NorthA	Triple F...
2011	NorthB	Double D...



January

February

March

April

May

June

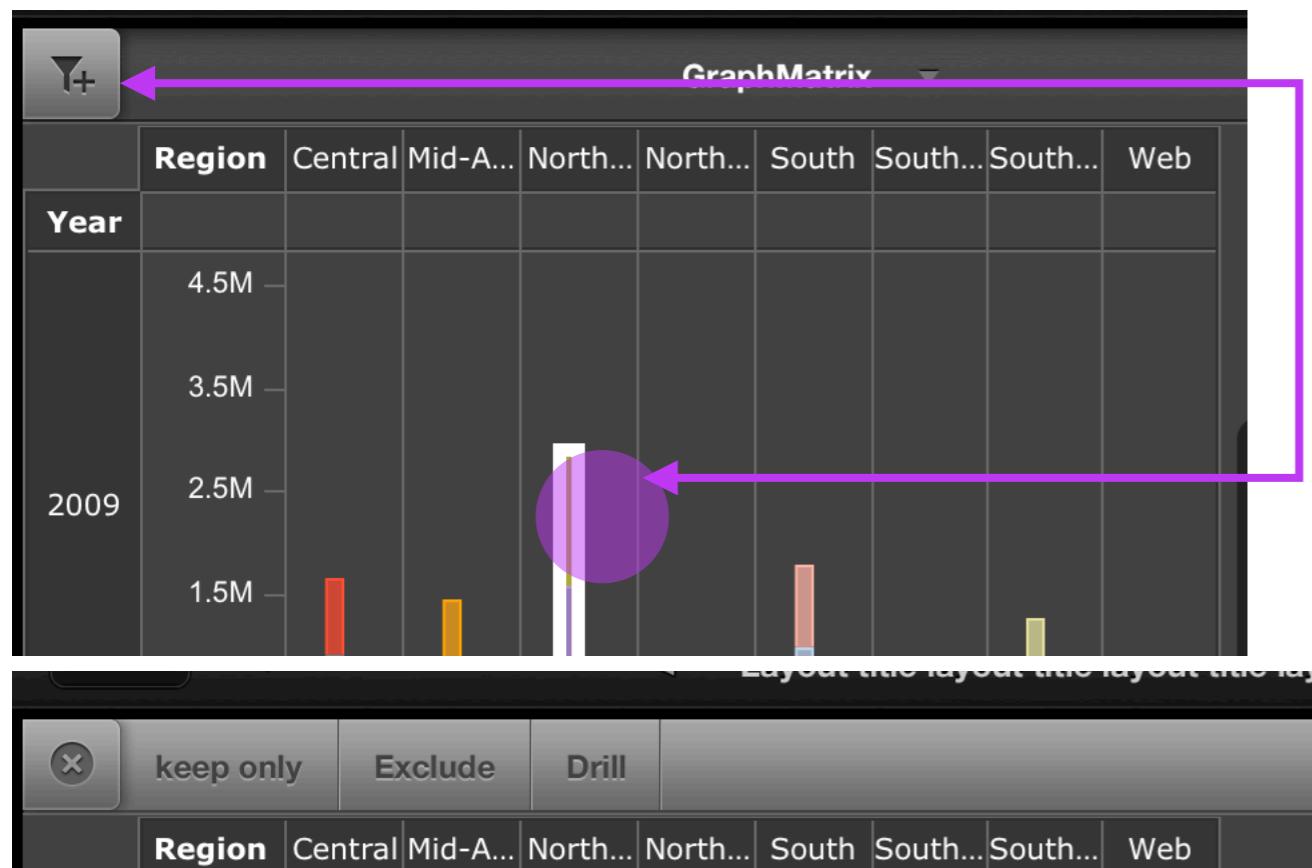
July

Au...

Graph Interaction

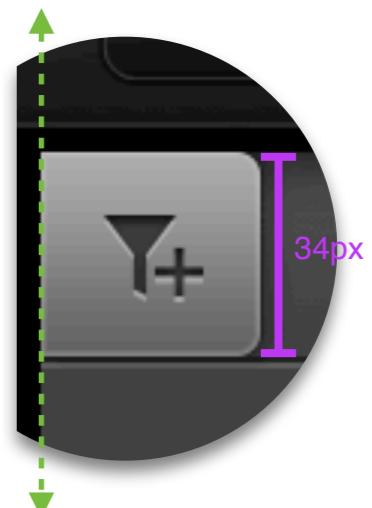
May 8, 2013

•View filter action menu



1. User tap on a data point to fire selection (or not) to target graph, and meanwhile show the add view filter action menu icon on viz title bar.

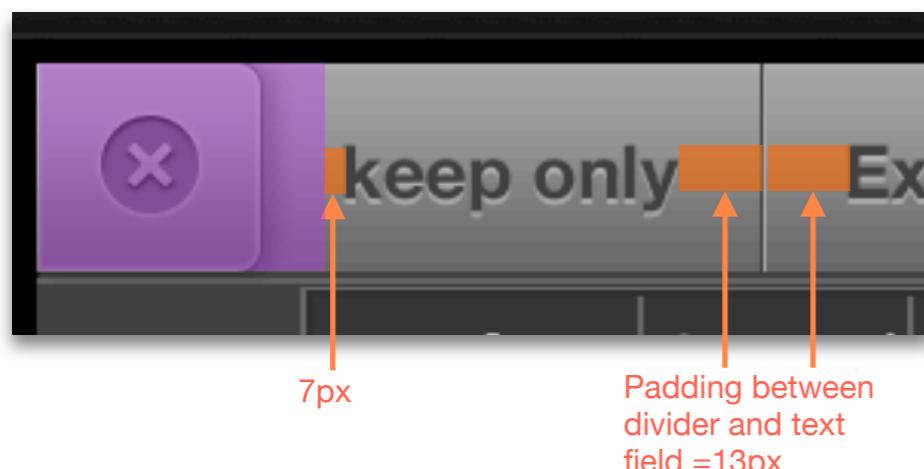
If it is in full screen mode, the exit full screen icon won't be highlighted. use the image file below



Left aligned with the biz title bar

2. Users tap on action menu icon on the viz title bar to expand the menu and choose one of the options.

- 2.1. Temporarily remove the viz title and the triangle.
- 2.2. replace the viz title gradient background color
- 2.3. Expand the menu as the mockup shows.
- 2.4. Users tap the "x" icon to collapse the menu.
- 2.5. User tap empty space on the current viz, or tap on other viz, will dismiss the action menu.



H=34px, W=0.5px,
color=#333333
Top aligned with the biz
title bar

Divider:

H=34px, W=0.5px,
color=#9f9f9f Top
aligned with the biz
title bar

Replaced viz title bar:

H=1px, color=#a2a2a2

Gradient:
Top color=#969696
Bottom color=#565656

H=1px, color=#363636

H=1px, color=#525252

Image:



File name:
ive_ios_add_view_filter_button(@2x)

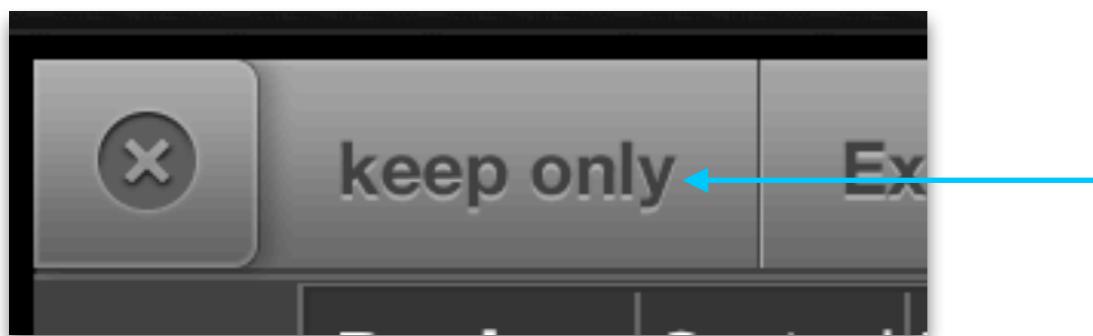


File name:
ive_ios_add_view_filter_collapse_button(@2x)



File name:
ive_exit_full_screen_visualization_tool_bar_icon_on_light_gray_background(@2x)

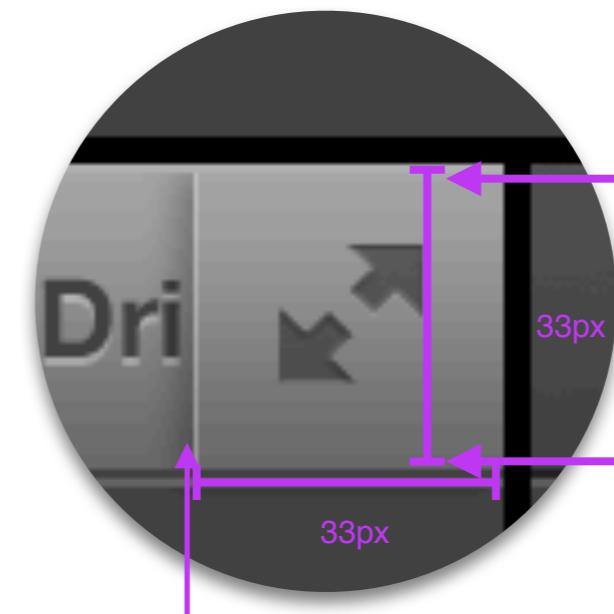
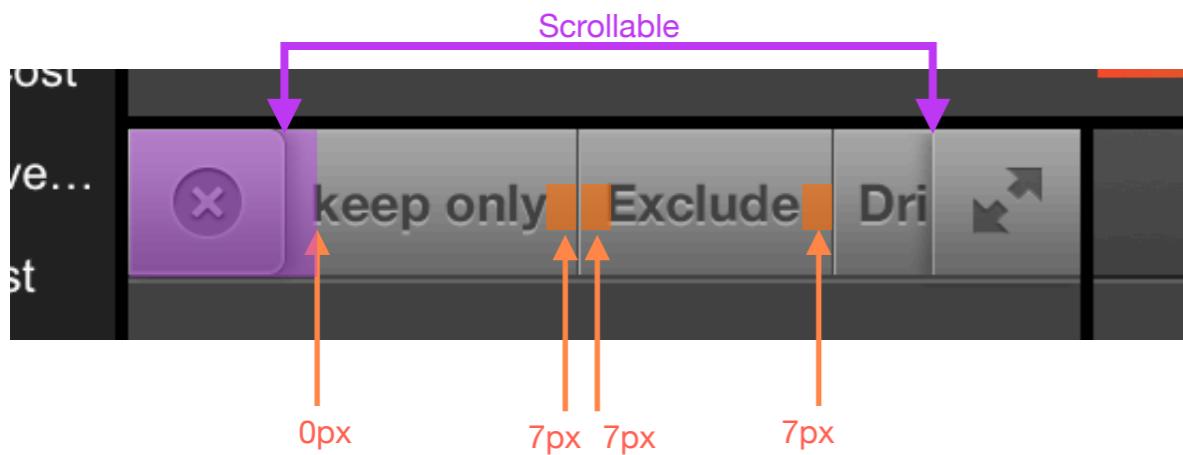
- View filter action menu



Text color=#333333, 12pt, Bold
Drop shadow:
Color=#ffffff, Y axis offset=1px, opacity=30%

3. View filter action menu expended corner cases:

- 3.1. When viz title bar's width is shorter than the total length to fit all the buttons: the padding between divider and text field become narrower, until reach to the minimum = 7px (0px padding with collapse button).
- 3.2. When the viz title bar width is shorter than the scenario 1, the action buttons will be collapsed underneath the full screen menu. The full screen button will have a drop shadow effect. The action buttons area is scrollable .



Gradient:
Top color=#969696
Bottom color=#565656

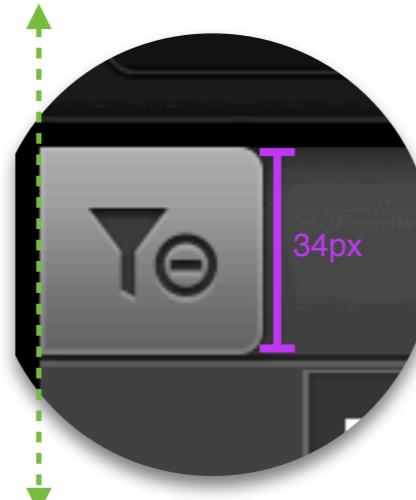
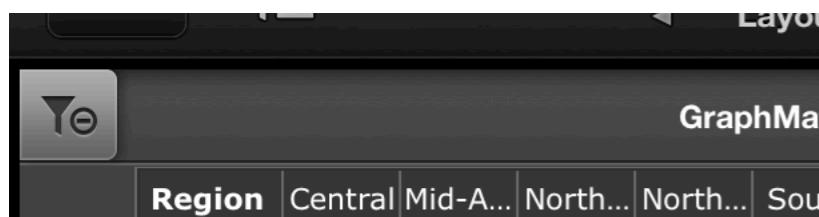
Drop shadow:
Color=#000000, opacity=30%
X axis offset=-2px, radius=4px

- 3.3. When the viz title width is shorter than 76px, will only keep full screen icon with lighter gray gradient title bar
- 3.4. When the viz title width is shorter than 33px, will only keep lighter gray gradient title bar with no icon displayed.

•View filter action menu

4. Clear view filter

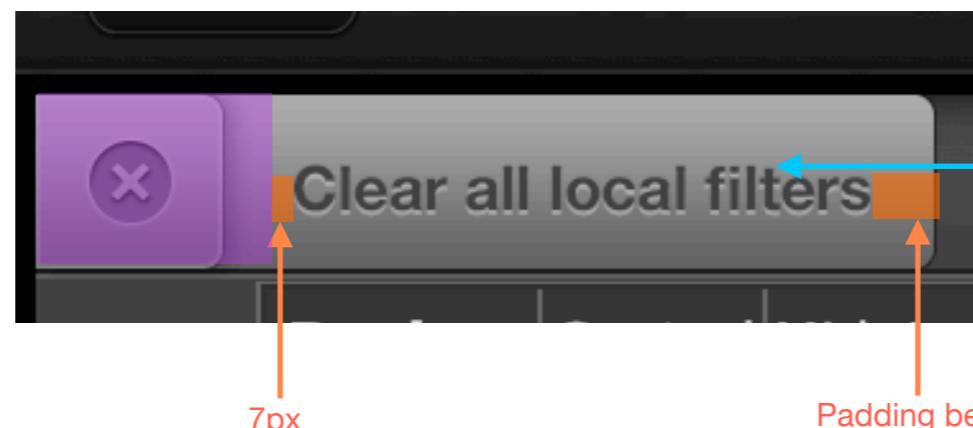
If there is view filter applied already on the viz, and no object is currently being selected, the “Clear view filter” button will show up.



Left aligned with
the biz title bar

5. User tap on the button to expand the menu and choose “Clear all view filters”

- 5.1. Temporarily remove the viz title and the triangle.
- 5.2. Expand the menu as the mockup shows.
- 5.3. Users tap the “x” icon to collapse the menu.
- 5.4. User tap empty space on the current viz and and viz title bar, or tap on other viz will dismiss the action menu.



Text color=#333333, 12pt, Bold
Drop shadow:
Color=#ffffff, Y axis offset=1px, opacity=30%

Image:



File name:
ive_ios_clear_view_filter_button(@2x)



File name:
ive_ios_add_view_filterCollapse_button(@2x)

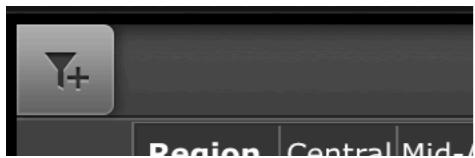


4*34px.
stretch the left 1 px to dynamically fit the text field

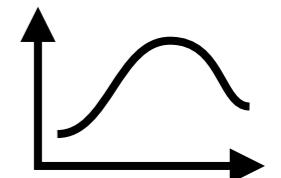
File name:
ive_ios_clear_view_filter_expended_button(@2x)

•View filter action menu

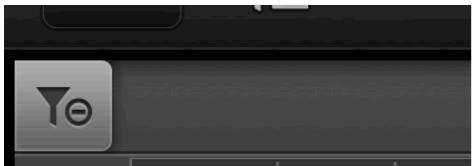
6. Animation



6.1. User tap on a data point to fire selection (or not) to target graph, and meanwhile the “add view filter” button: moves in from the left border of the viz title bar- duration=400msec
Animation acceleration: ease in and out



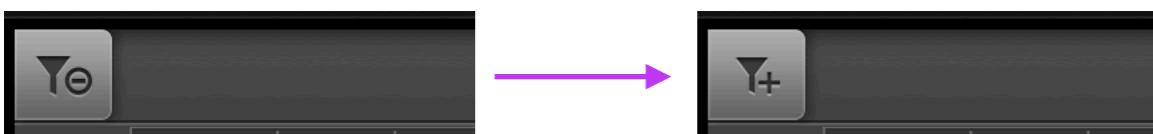
6.2. If there is already view filter applied, the “Clear view filter” button will appear on the left corner of the viz title bar by default.



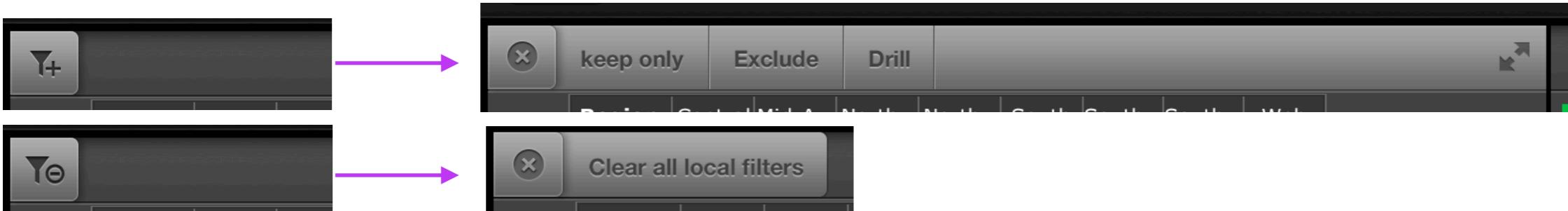
6.3. If there is already view filter applied, and then user tap on a data point. The “clear view filter ” button will be replaced by “add view filter” button.

“Clear view filter” button moves out - duration=400msec, animation acceleration: ease in and out.

After delay=200msec, “add view filter” button moves in from the left border of the viz title bar-duration=400msec

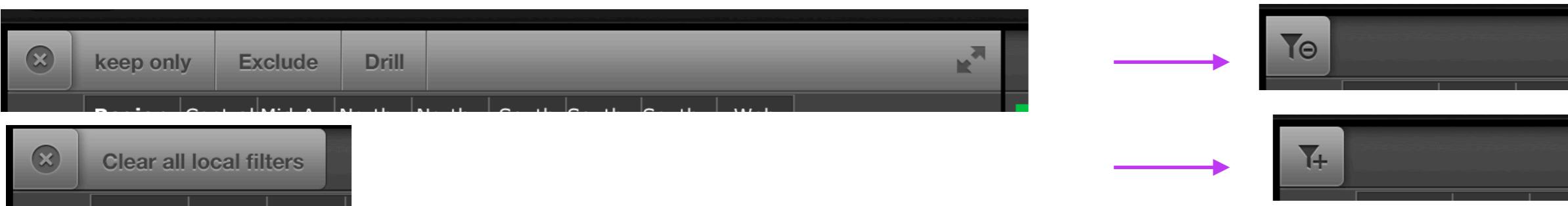


6.4.Tap on either “add view filter” or “clear view filter” button, the action menu wipe in from left to the right- duration=400msec



6.5.Switch between “add view filter action menu expended stage” to “clear view filter” button
or Switch between “Clear view filter action menu expended stage” to “add view filter” button

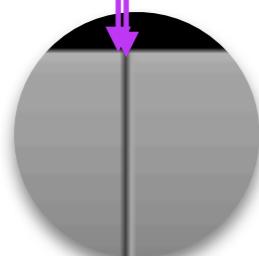
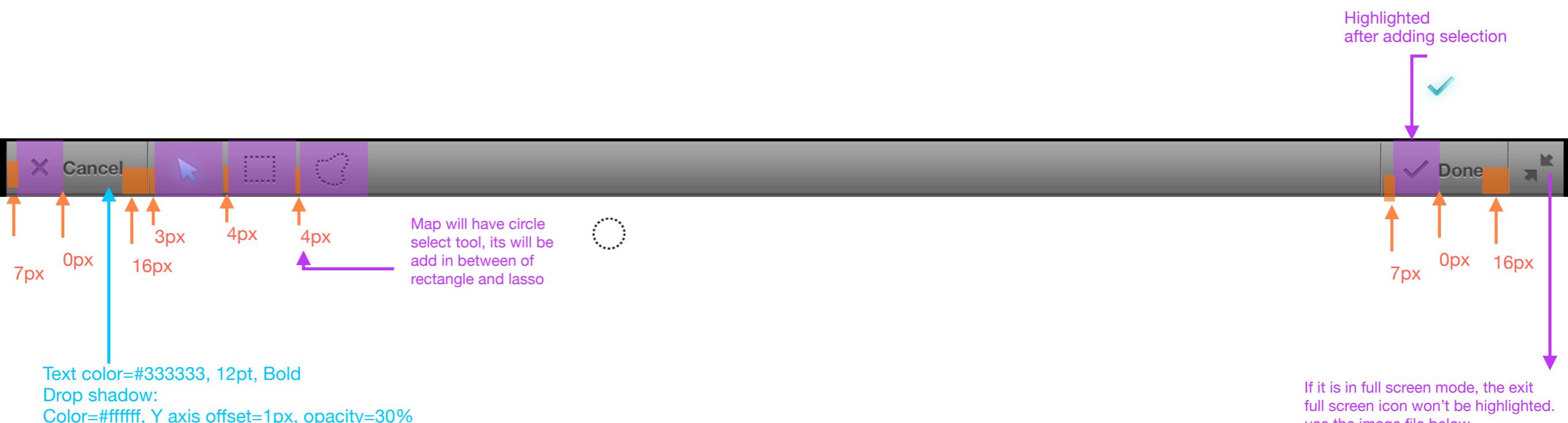
Dissolve the action menu-duration=400msec, delay 200msec, the button moves in from the left border of the viz title bar-duration=400msec



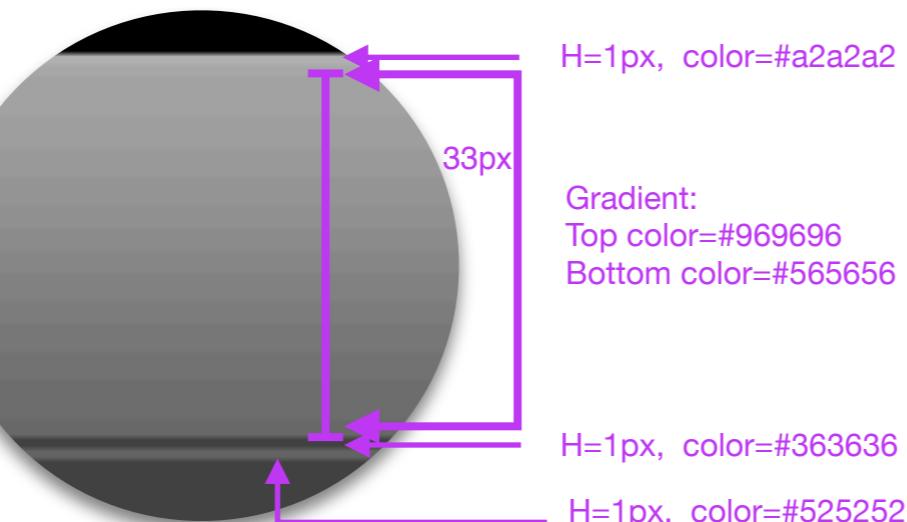
•View filter action menu

In multi-selection mode:

1. replace viz title bar with gray gradient color
2. tap on “Cancel” button to dismiss the multi-selection mode, and tap “Done” button to confirm the multi-selection.
3. Each viz type has its default selection tool: image layout and heat map’s default tool is multi-selection, other viz types are all free form lasso
4. Lasso, rectangle and circle tool only allows single selection. User need to tap again these 3 icons to active the selection tool.
5. After tapping “Done”, the “view filter action menu” will show up immediately on the viz title bar



Replaced viz title bar:



•View filter action menu

Image:



File name:
ive_ios_multi_selection_cancel_button(@2X)



File name:
ive_ios_multi_selection_done_button(@2x)



File name:
ive_ios_multi_selection_done_button_highlighted(@2x)



File name:
ive_ios_multi_selection_tool(@2x)



File name:
ive_ios_multi_selection_tool_highlighted(@2x)



File name:
ive_ios_multi_selection_rectangle_tool(@2x)



File name:
ive_ios_multi_selection_rectangle_tool_highlighted(@2x)



File name:
ive_ios_multi_selection_circle_tool(@2x)



File name:
ive_ios_multi_selection_circle_tool_highlighted(@2x)



File name:
ive_ios_multi_selection_lasso_tool(@2x)



File name:
ive_ios_multi_selection_lasso_tool_highlighted(@2x)

- View filter action menu
-

2. View filter action menu expended corner cases:

2.1 when the viz title bar width is narrow than the width to display all the buttons, we will remove the texts first.

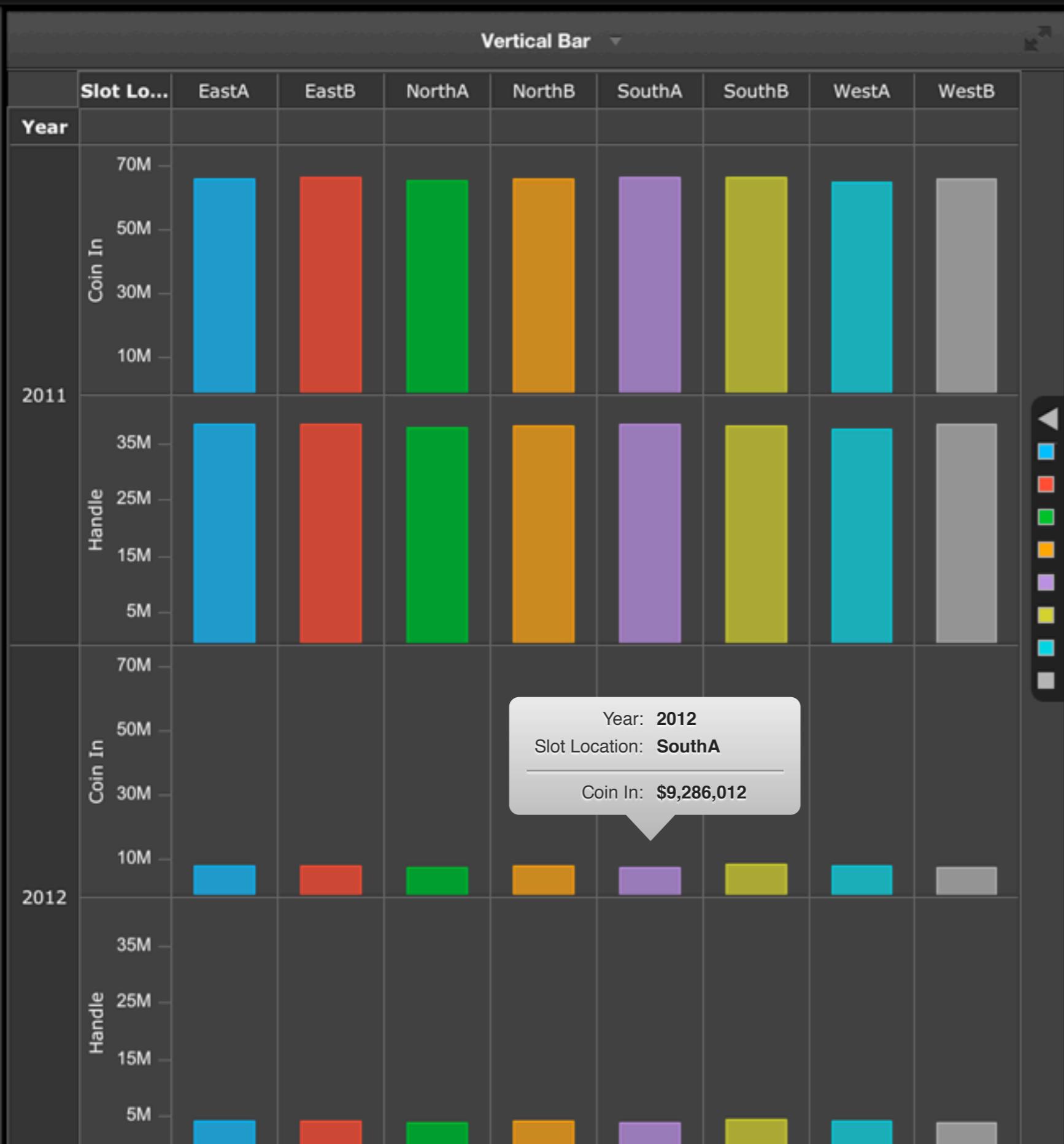


2.2, when the viz title bar width is narrow than scenario 2.1, we will only display the pressed selection tool, if no tool is selected, we will display the default select tool.

2.3. if the viz title bar width is narrow than the scenario 2.2, we will only display the full screen icon (still with the light gray background)

Casino Analysis
Layout 2

9 ?



Grid

Slot Location	Slot Machine Make	Slot Machine Model
EastA	Williams	11-MLK
EastB	Williams	3-FD
NorthA	International Gaming Technology	7-IRN
NorthB	International Gaming Technology	11-MLK
SouthA	Ballys	3-FD
SouthB	Ballys	7-IRN
WestA	Sigma	1-ABK
		5-SLR
		9-DDM
		1-ABK
		5-SLR
		9-DDM
		10-BLK
		2-DIR
		6-IEN
		10-BLK
		2-DIR
		6-IEN
		12-EIR
		4-DLR
		8-CKS

Close

Casino Analysis Copy
Layout 2

9



Grid

Selection in grid:

- If users tap on an attribute element, highlight **all cells** with this element in the grid.

Slot Location	Slot Machine Make	Slot Machine Model	Slot Hold	Coin In	(Slot Hold %)
EastA	Williams	11-MLK	\$993,157.70	\$25,000,748.71	
		3-FD	\$980,979.66	\$24,892,076.95	
		7-IRN	\$966,729.64	\$24,329,449.95	
EastB	Williams	11-MLK	\$1,198,311.04	\$25,135,236.10	
		3-FD	\$991,421.25	\$24,682,543.76	4.02%
		7-IRN	\$937,992.66	\$24,995,330.28	3.75%
NorthA	International Gaming Technology	1-ABK	\$988,584.13	\$23,982,030.25	4.12%
		5-SLR	\$1,041,551.21	\$25,129,256.76	4.14%
		9-DDM	\$921,509.56	\$24,218,578.68	3.80%
NorthB	International Gaming Technology	1-ABK	\$947,082.45	\$24,705,318.04	3.83%
		5-SLR	\$1,096,828.05	\$24,567,672.61	4.46%
		9-DDM	\$1,144,910.40	\$24,581,276.00	4.66%
SouthA	Ballys	10-BLK	\$1,033,484.27	\$24,940,610.83	4.14%
		2-DIR	\$953,176.38	\$23,906,624.98	3.99%
		6-IEN	\$1,017,541.82	\$25,224,146.48	4.03%
SouthB	Ballys	10-BLK	\$926,787.48	\$24,794,973.19	3.74%
		2-DIR	\$1,023,284.97	\$25,058,119.38	4.08%
		6-IEN	\$1,021,051.32	\$24,963,681.55	4.09%
WestA	Sigma	12-EIR	\$1,114,942.77	\$24,868,745.62	4.48%
		4-DLR	\$1,102,844.12	\$23,527,012.34	4.69%
		8-CKS	\$998,616.24	\$24,382,715.61	4.10%

Close

Casino Analysis Copy
Layout 2

9



Grid

Slot Location	Slot Machine Make	Slot Machine Model	Slot Hold	Coin In	(Slot Hold %)
EastA	Williams	11-MLK	\$993,157.70	\$25,000,748.71	
		3-FD	\$980,979.66	\$24,892,076.95	
		7-IRN	\$966,729.64	\$24,329,449.95	3.97%
EastB	Williams	11-MLK	\$1,198,311.04	\$25,135,236.10	4.77%
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WestA	Sigma	12-EIR	\$1,114,942.77	\$24,868,745.62	4.48%
		4-DLR	\$1,102,844.12	\$23,527,012.34	4.69%
		8-CKS	\$998,616.24	\$24,382,715.61	4.10%

- If the selected cells are adjacent, combine the cells and show only one highlight border.

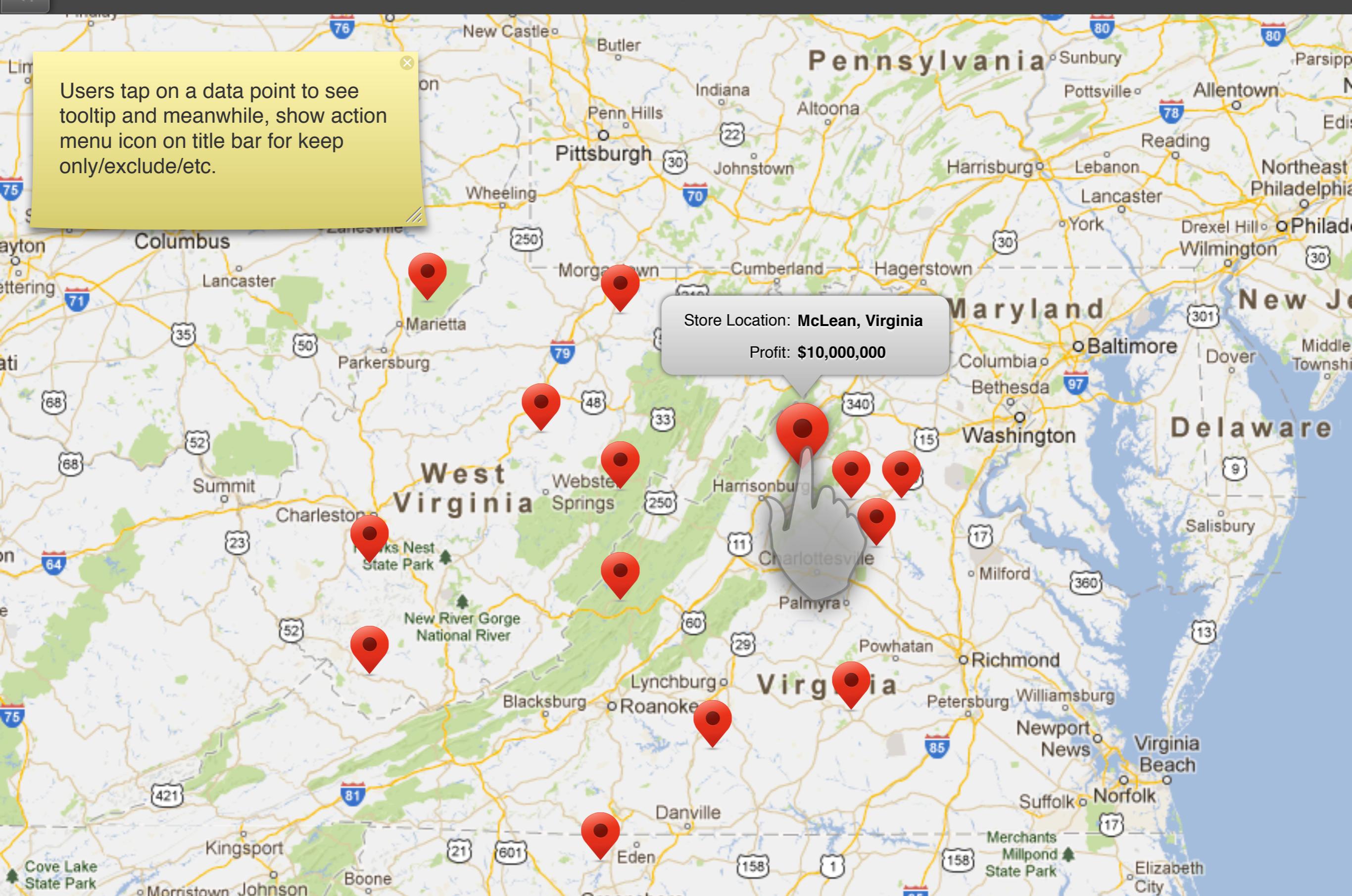
Map Interaction in VI

May 15, 2013

Close



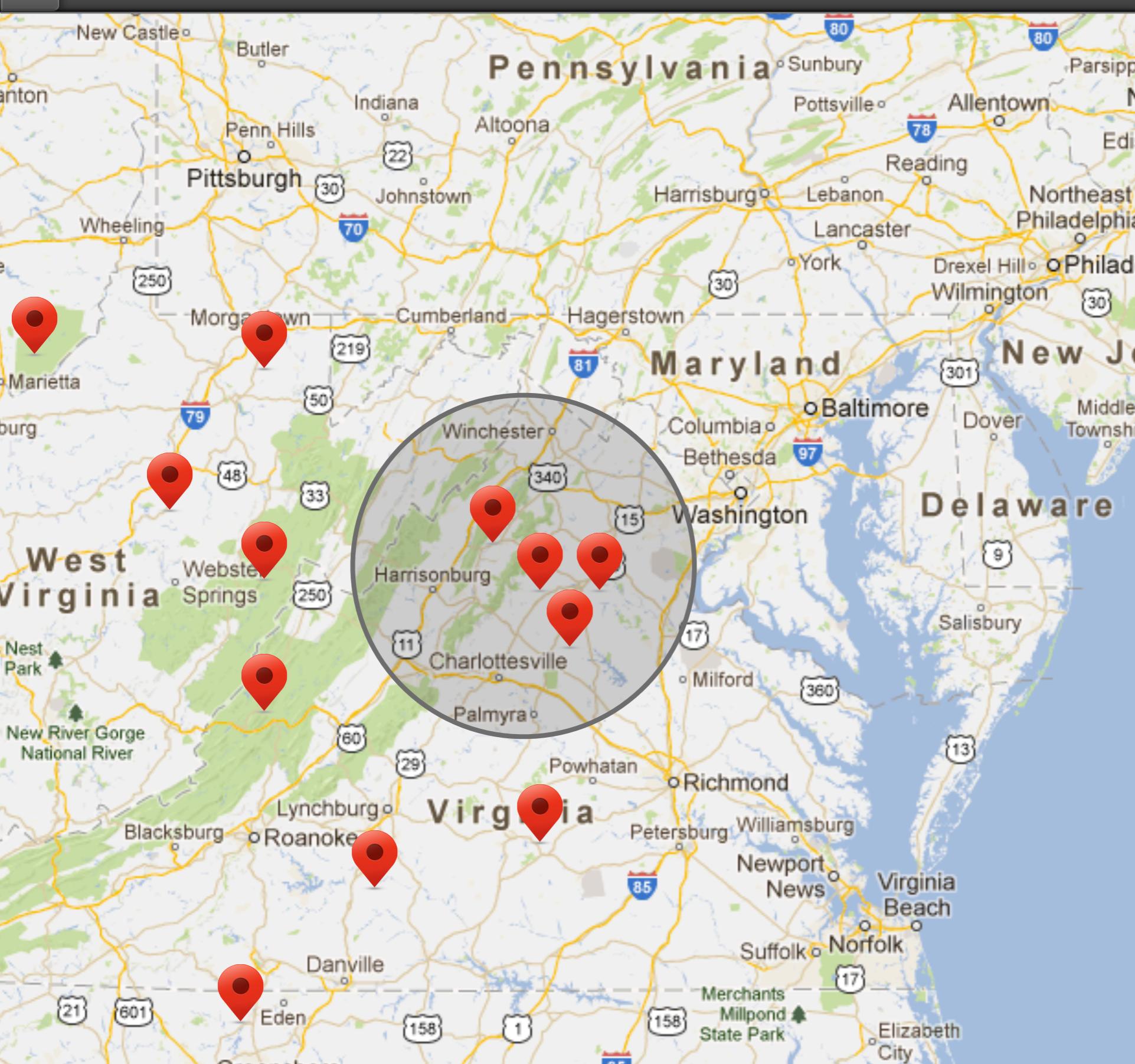
Map



Close



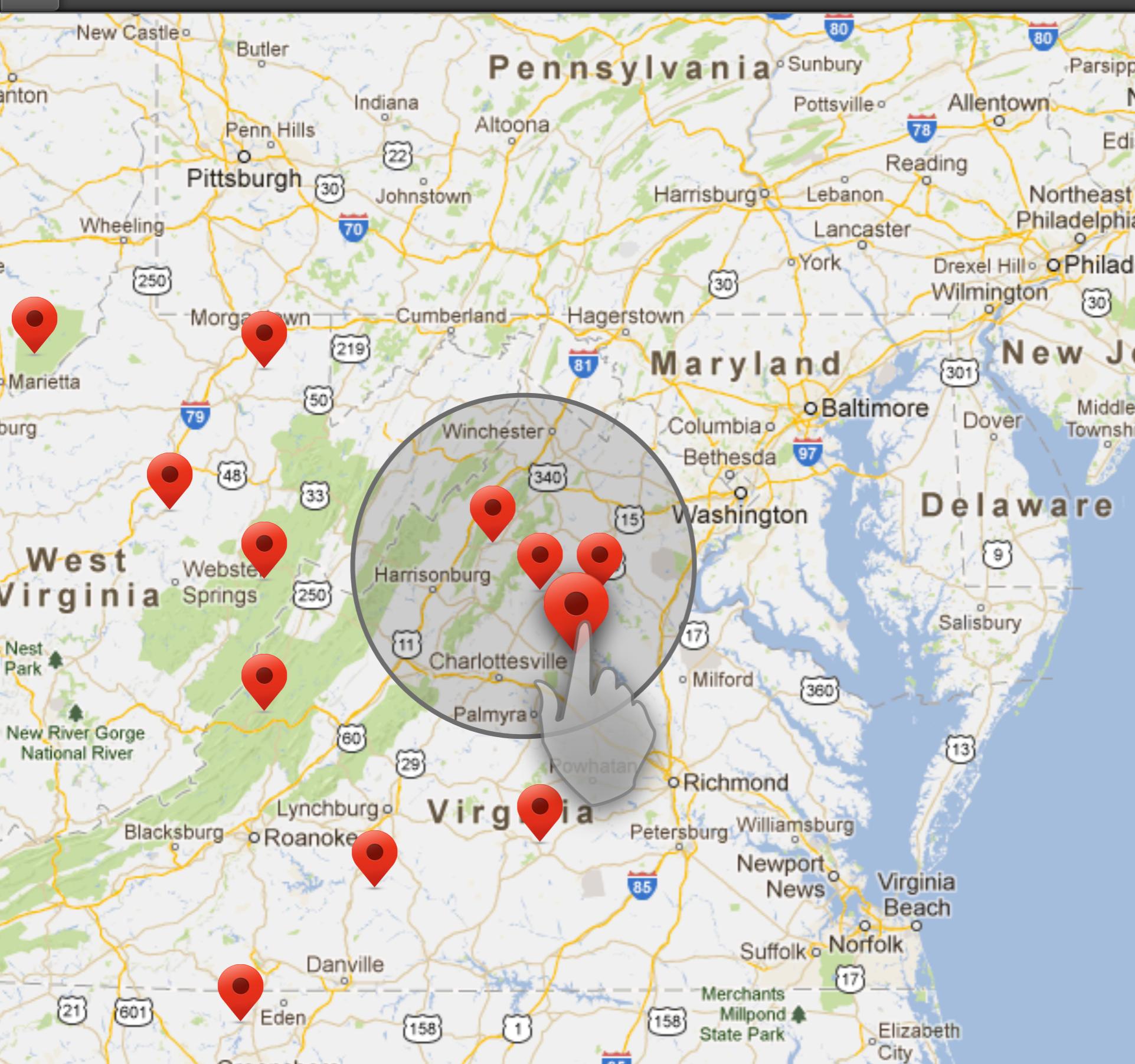
Map

Store Location: **McLean, VA**Profit: **\$93,212,412**Store Location: **Arlington, VA**Profit: **\$93,212,412**Store Location: **Fairfax, VA**Profit: **\$93,212,412**Store Location: **Falls Church, VA**Profit: **\$93,212,412**

Close



Map



Store Location: **McLean, VA**

Profit: **\$93,212,412**

Store Location: **Arlington, VA**

Profit: **\$93,212,412**

Store Location: **Fairfax, VA**

Profit: **\$93,212,412**

Store Location: **Falls Church, VA**

Profit: **\$93,212,412**