

.text-box -fx-font: 12pt "Amble-Condensed";



-fx-light-text-color: white IIIIable: true;
-fx-color: -fx-base; X-Select-on-focus: true;

# Using CSS to Style JavaFX UI Controls The Visual Designer's Experience

**Eileen Bugée and Tim Dunn** 

**Principal Visual Designers | Oracle Corporation** 

Hi. Welcome to our BOF...

I'm Eileen .....(and I'm Tim)

We're Visual Designers in the Middleware User Experience group at Oracle.

## Outline

- The Caspian Theme
- Styling Overview
- Desktop Re-theming
- **TV: Current and Future**
- **A**&Q .

```
fx-mid-border-color, -fx-control-inner-back -fx-background-radius: 6, 5 4;
  -fx-accent: #114369; fill: -fx-text-innér-color; -fx-base: #3f3f3f0mpt-text-fill: derive(-fx-control-in
  -fx-background: #040404;3 (10%)
  -fx-control-inner-background: white; -fx-accent;
  -fx-focus-color: #31BAED;
-fx-dark-text-color: black;
  -fx-mid-text-color: #292929; True;
  -fx-light-textScolor Whitepin-focus: true;
  -fx-color: -fx-base;
  -fx-hover-base: ladder -fx-base stops (20%,derive(-fx-base,20%)) (35%,derive(-fx-base,20%))
(50%, derive(-fx-base, 40%));
  -fx-pressed-base: derive(-fx-base,-40%);
  -fx-box-border: #000000;
  -fx-text-box-border: ladder -fx-background stops (0.1,black) (0.3,derive(-fx-background))
  -fx-shadow-highlight-color:#3B3B3B;
  -fx-outer-border: #000000;
  -fx-inner-border: linear (0%, 0%) to (0%, 100%) stops (0%, #7A7A7A) (100%, #52
  -fx-body-color: linear (0%,0%) to (0%,100%) stops (0,derive(-fx-color,34%)) (1,d
```

color,-18%));

So, what are we going to talk about tonight....

First, I'll give you a bit of context around the Caspian Theme.
Then I'll share how the UI Controls are created and styled using CSS.
Next I'll do some Desktop re-theming...
and Tim will show you CSS theming for TV, with some VERY cool modifications.
We'll take questions at the end.

## Outline

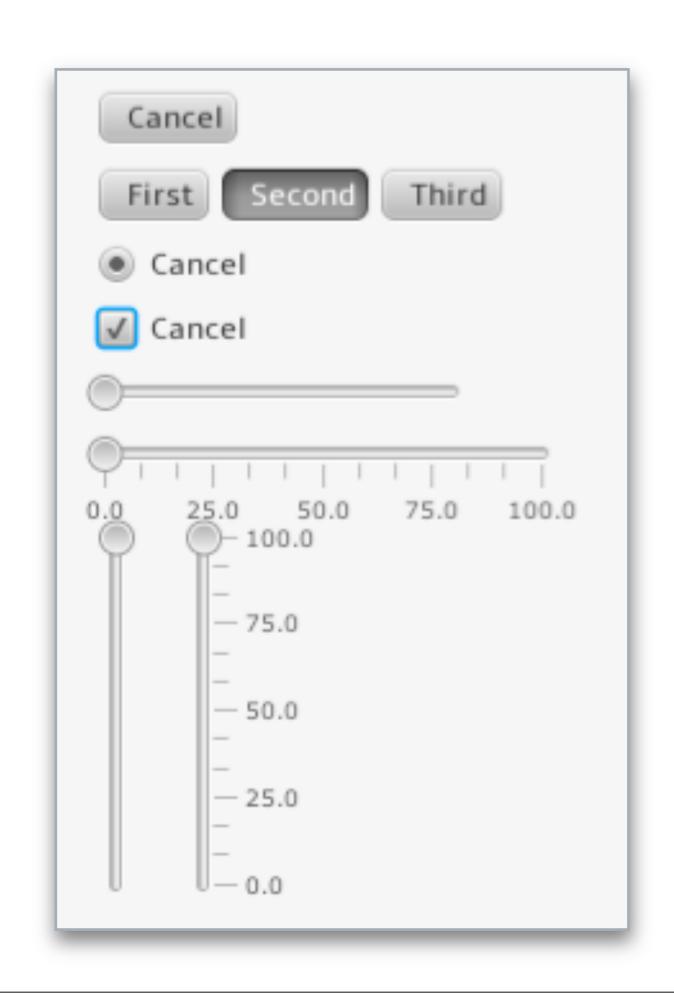
- The Caspian Theme
- . Styling Overview
- . Desktop Re-theming
- . TV: Current and Future
- . Q&A

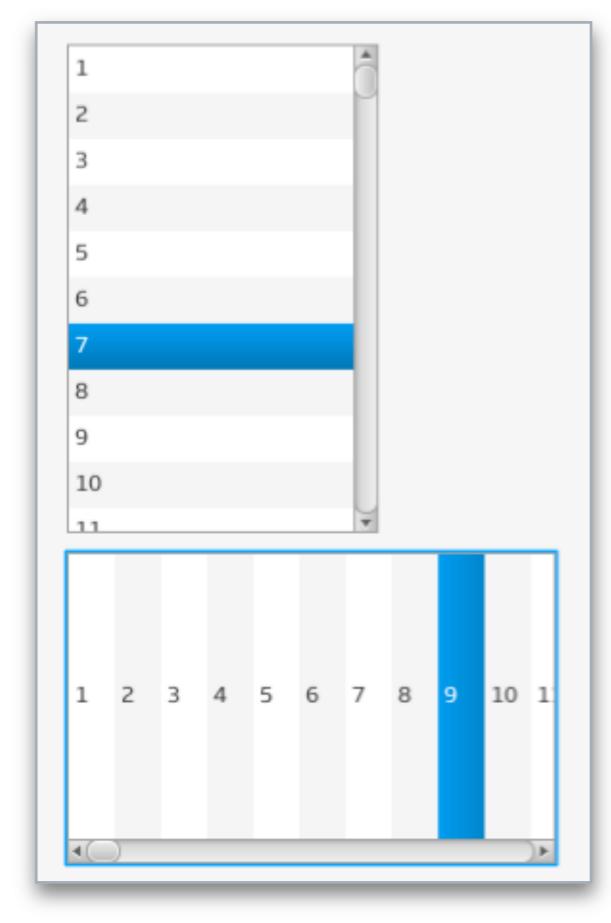
```
-fx-accent: #114369; fill: -fx-text-innér-color; -fx-base: #3f3f3f0mpt-text-fill: derive(-fx-control-in
  -fx-background: #040404;3 () %)
  -fx-control-inner-background: white; -fx-accent;
 -fx-focus-color: #31BAED;
-fx-dark-text-color: black;
-fx-mid-text-color: #292929;
  -fx-light-textScolor Whitepin-focus: true;
  -fx-color: -fx-base;
  -fx-hover-base: ladder -fx-base stops (20%,derive(-fx-base,20%)) (35%,derive(-fx-base,20%))
(50%, derive(-fx-base, 40%));
  -fx-pressed-base: derive(-fx-base,-40%);
  -fx-box-border: #000000;
  -fx-text-box-border: ladder -fx-background stops (0.1,black) (0.3,derive(-fx-background))
  -fx-shadow-highlight-color:#3B3B3B;
  -fx-outer-border: #000000;
  -fx-inner-border: linear (0%, 0%) to (0%, 100%) stops (0%, #7A7A7A) (100%, #52
  -fx-body-color: linear (0%,0%) to (0%,100%) stops (0,derive(-fx-color,34%)) (1,d
```

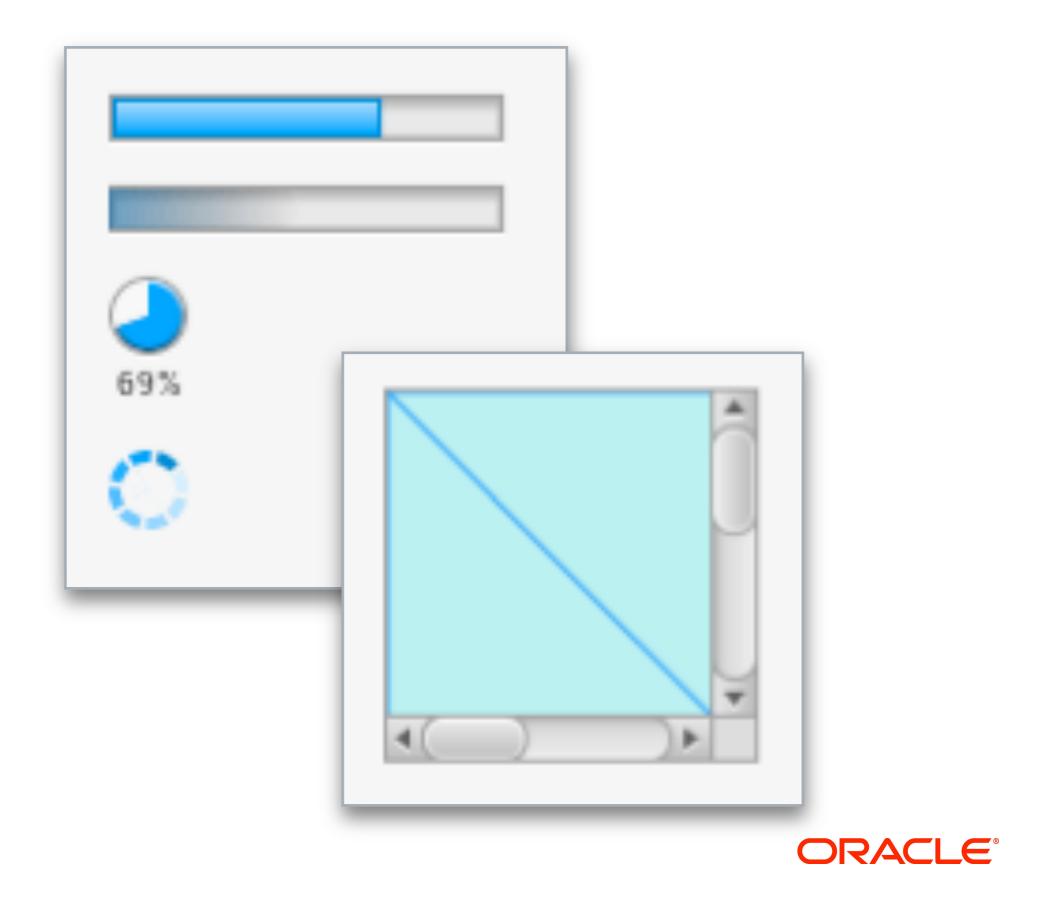
color,-18%));

Let's start with some background on the Caspian theme.

\* Default "look" for Desktop JavaFX UI Controls

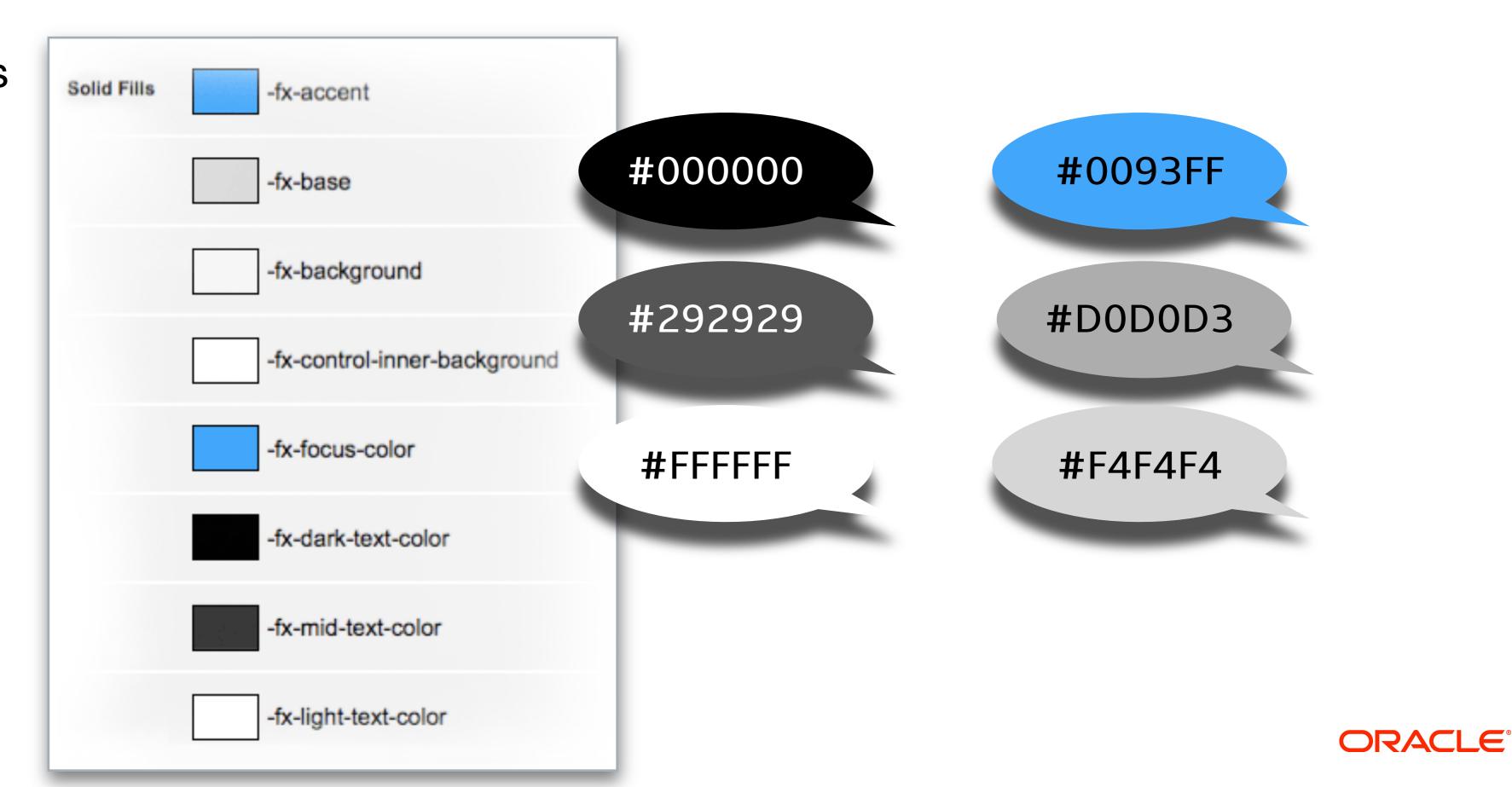






**\*\*** Color Palette: A Selection of Greys

"Base" Colors

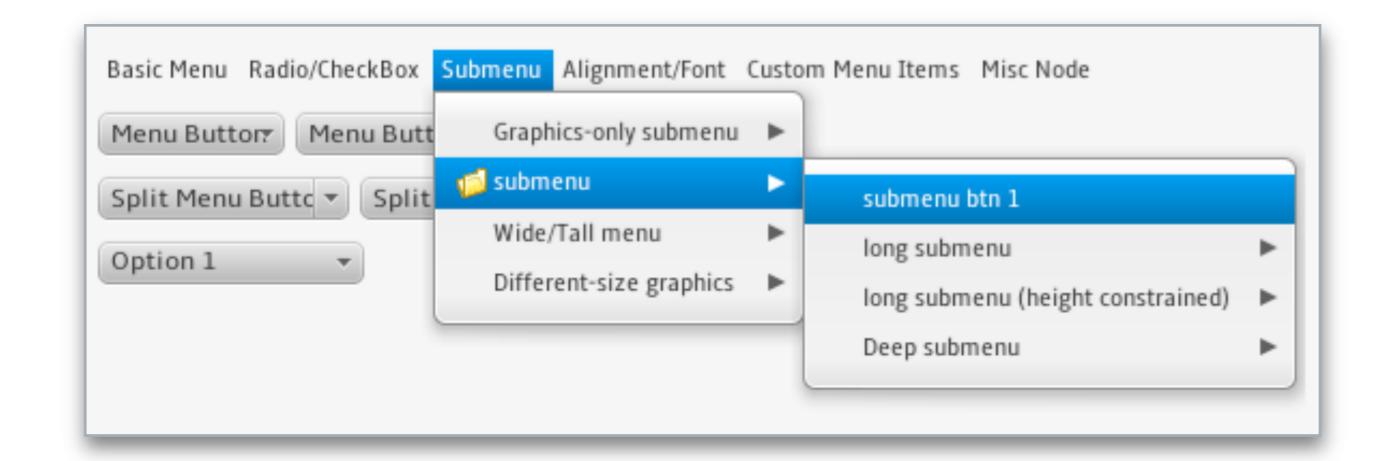


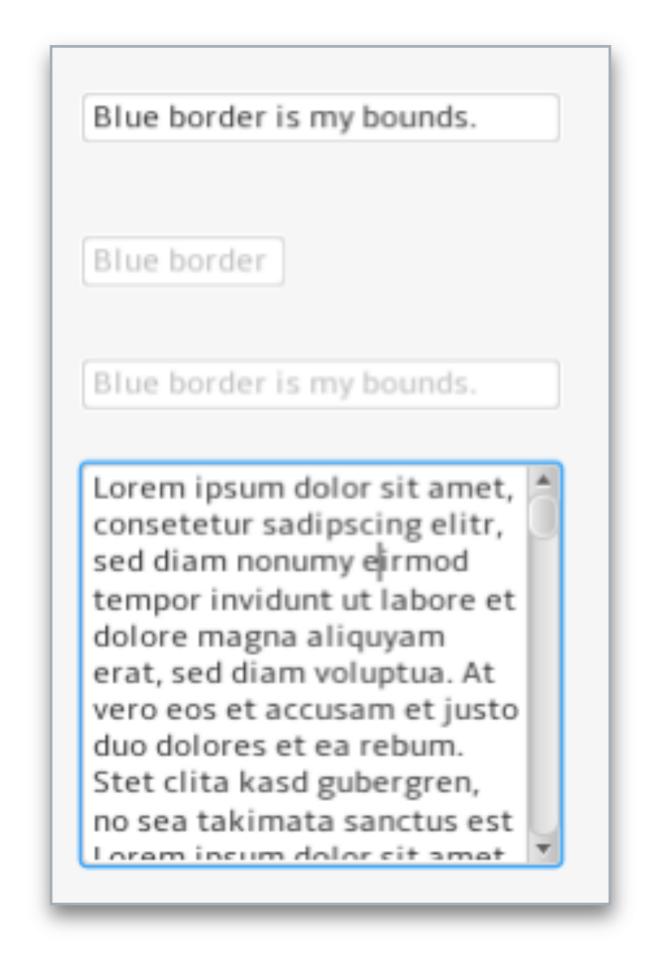
The "Caspian" color palette is mostly grey with some blue accents. A Caspian color can be a solid fill or a gradient fill. Here you see the six "base" colors of the Caspian color palette.

You'll find the entire set of Caspian colors, including gradients, in the ".scene {" portion of the caspian.css file.

## \* Design Considerations

- Enterprise-ready
- Easy to customize
- Win/Mac/Linux --- complementary yet unique
- Performant







Caspian was designed to work in enterprise UIs, and to be easily customized for cross-platform use. So, the controls needed to fit comfortably in Windows, Mac & Linux environments, but still look unique.

The controls also need to render quickly, even on devices with limited capabilities.

## \* 2 Caspian Releases

- 2009: Hard-coded visuals

- 2010: CSS-coded visuals and Amble font







In our first Caspian release, the look was hard-coded, much of it in private APIs.

That's no problem for all you developers out there, but for visual designers like Tim and me, who don't write Java code --- it was difficult for us to implement our UI designs.

Our second Caspian release, in summer 2010, introduced CSS theming for all the UI Controls. This is a really powerful addition, and we've had lots of fun exploring ways to use CSS to create and theme the controls.

Another cool feature in this summer's release was a default set of fonts. (the "Amble" font family)

Now you have a font you can bundle with your app and use consistently across all the platforms on which your application will run.

## Outline

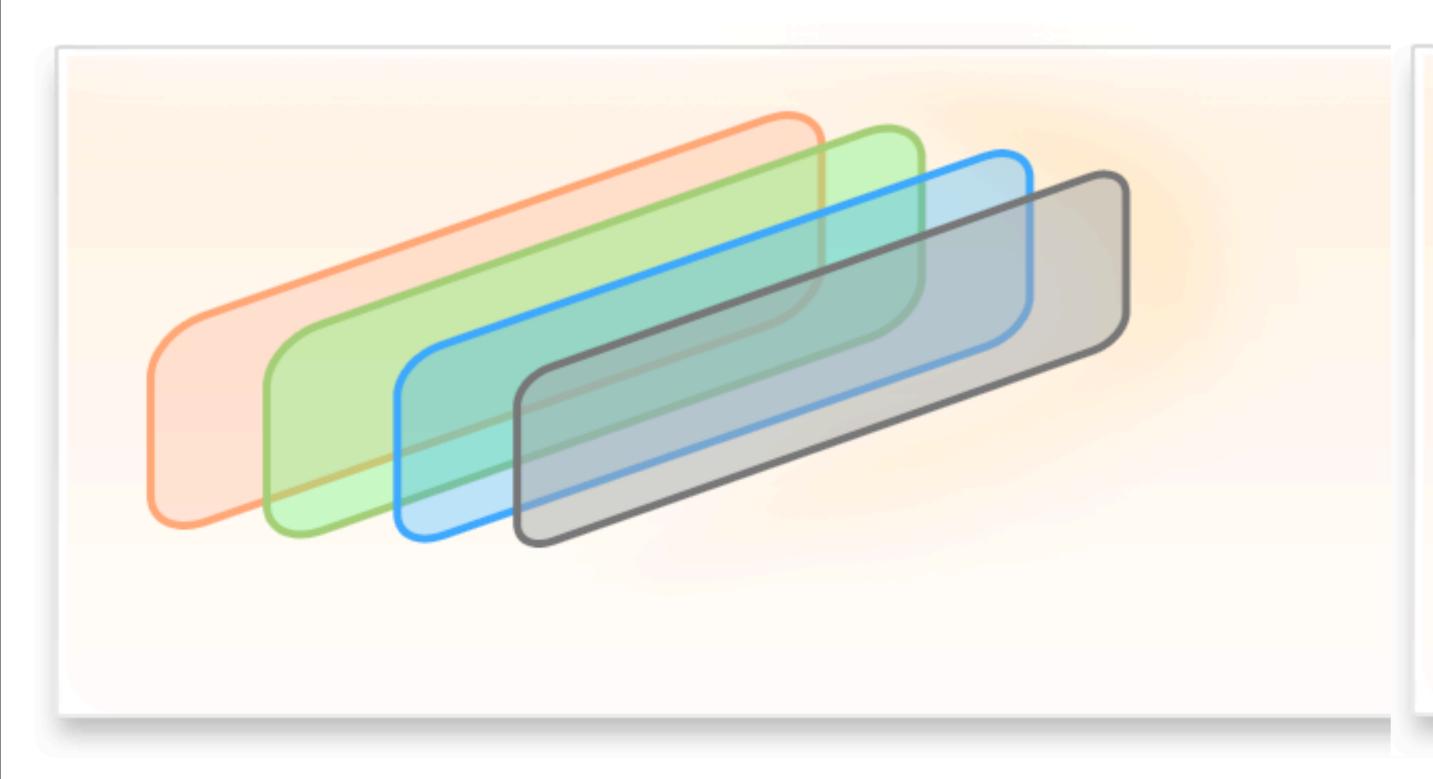
- . The Caspian Theme
- . Styling Overview
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```
fx-mid-border-color, -fx-control-inner-back -fx-background-radius: 6, 5 4;
  -fx-accent: #114369; fill: -fx-text-inner-color; -fx-base: #3f3f3f0mpt-text-fill: derive(-fx-control-in
  -fx-background: #040404;30%):
  -fx-control-inner-background: white; -fx-accent;
 -fx-focus-color: #31BAED;
-fx-dark-text-color: black;
-fx-mid-text-color: #292929;
-fx-mid-text-color: #292929;
  -fx-light-YextScolor White n-focus: true;
  -fx-color: -fx-base;
  -fx-hover-base: ladder -fx-base stops (20%,derive(-fx-base,20%)) (35%,derive(-fx-base,20%))
(50%, derive(-fx-base, 40%));
  -fx-pressed-base: derive(-fx-base,-40%);
  -fx-box-border: #000000;
  -fx-text-box-border: ladder -fx-background stops (0.1,black) (0.3,derive(-fx-background))
  -fx-shadow-highlight-color:#3B3B3B;
  -fx-outer-border: #000000;
  -fx-inner-border: linear (0%, 0%) to (0%, 100%) stops (0%, #7A7A7A) (100%, #52
  -fx-body-color: linear (0%,0%) to (0%,100%) stops (0,derive(-fx-color,34%)) (1,d
```

color,-18%));

So, how do we build JavaFX UI Controls, and how do we style them?

# Rendered Stacked Shapes



-fx-shadow-highlight-color
-fx-outer-border
-fx-inner-border
-fx-body-color

Button = 4 stacked shapes...

The shapes are gradient vectors

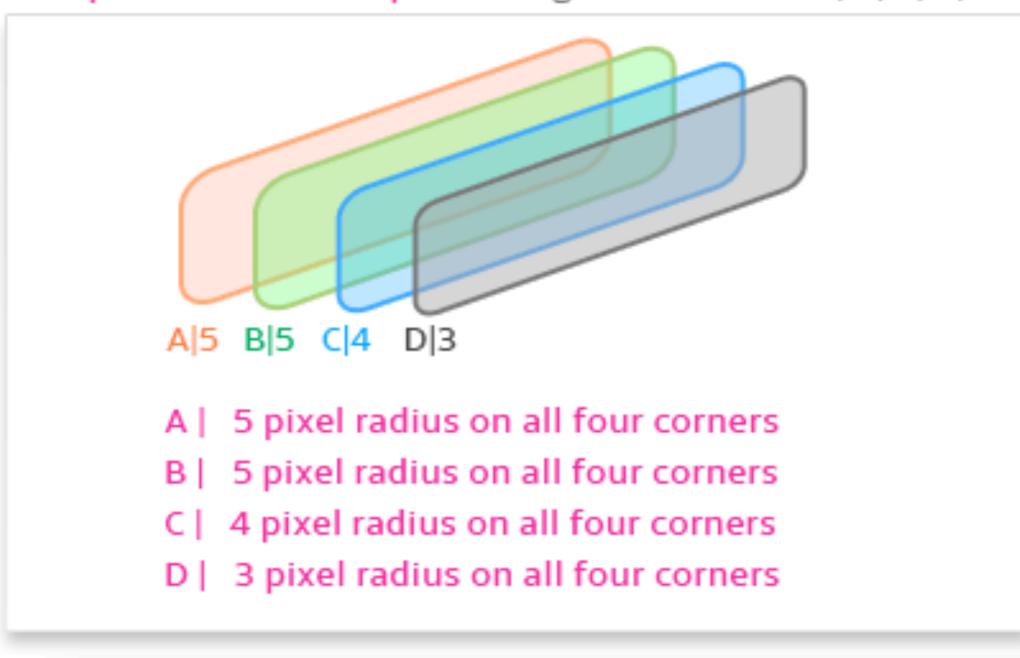


Let's look at a simple Button Control.

To create it, we stack 4 shapes on top of each other.
These shapes are gradient vectors, and are drawn with code...
They're rendered using CSS StyleClasses, IDs, Properties, and Values.

# Centered, Nested Shapes

specification example: background-radius: 5, 5, 4, 3;





Progressively smaller shapes & radii

Offset bottom shape = shadow/highlight effect



"Styling" a Ul Control

```
* CSS Styles for the Button control
 90
 91
 92
      .button {
 93
          -fx-padding: 3 10 2 10;
 94
          -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border,
 95
              -fx-inner-border, -fx-body-color;
          -fx-background-radius: 5, 5, 4, 3;
 97
          -fx-background-insets: 0 0 -1 0, 0, 1, 2;
          -fx-text-fill: -fx-text-base-color;
          -fx-vpos: CENTER;
          -fx-graphic-vpos: CENTER;
100
101
102
103
      .button:hover {
104
          -fx-color: -fx-hover-base;
105
106
107
      .button:armed {
          -fx-color: -fx-pressed-base;
108
109
110
111
      .button:focused {
          -fx-background-color: -fx-focus-color, -fx-outer-border,
112
113
              -fx-inner-border, -fx-body-color;
114
          -fx-background-radius: 6.4, 5, 4, 3;
          -fx-background-insets: -1.4, 0, 1, 2;
115
116
117
118
      .button:strong {
          -fx-base: -fx-accent
119
120
121
      .button:disabled {
122
          -fx-opacity: .4;
123
124
```

"Button"
section
from the
caspian.css
file



Now let's look at some CSS. We use a single style sheet named caspian.css to style our JavaFX UI Controls.

Here, I'm showing the CSS for the default Button control.

... if you've written with CSS before, you'll recognize lots of the syntax.

# "Styling" a Ul Control

```
* CSS Styles for the Button control
92
     .button {
         -fx-padding: 3 10 2 10;
94
         -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border,
            -fx-inner-border, -fx-body-color;
         -fx-background-radius: 5, 5, 4, 3;
         -fx-background-insets: 0 0 -1 0, 0, 1, 2;
         -fx-text-fill: -fx-text-base-color;
         -fx-vpos: CENTER;
         -fx-graphic-vpos: CENTER;
100
101
102
103
     .button:hover {
         -fx-color: -fx-hover-base;
104
105
106
107
     .button:armed
108
109
110
     con:focused
     -fx-background-color: -fx-focus-color, -fx-ox
          -fx-inner-border, -fx-body-color;
     -fx-background-radius: 6.4, 5, 4, 3;
     -fx-background-insets: -1.4, 0,__
118
119
120
121
     .button:disabled
122
         -fx-opacity: .4;
123
124
```

"Button"
section
from the
caspian.css
file



# "Styling" a Ul Control

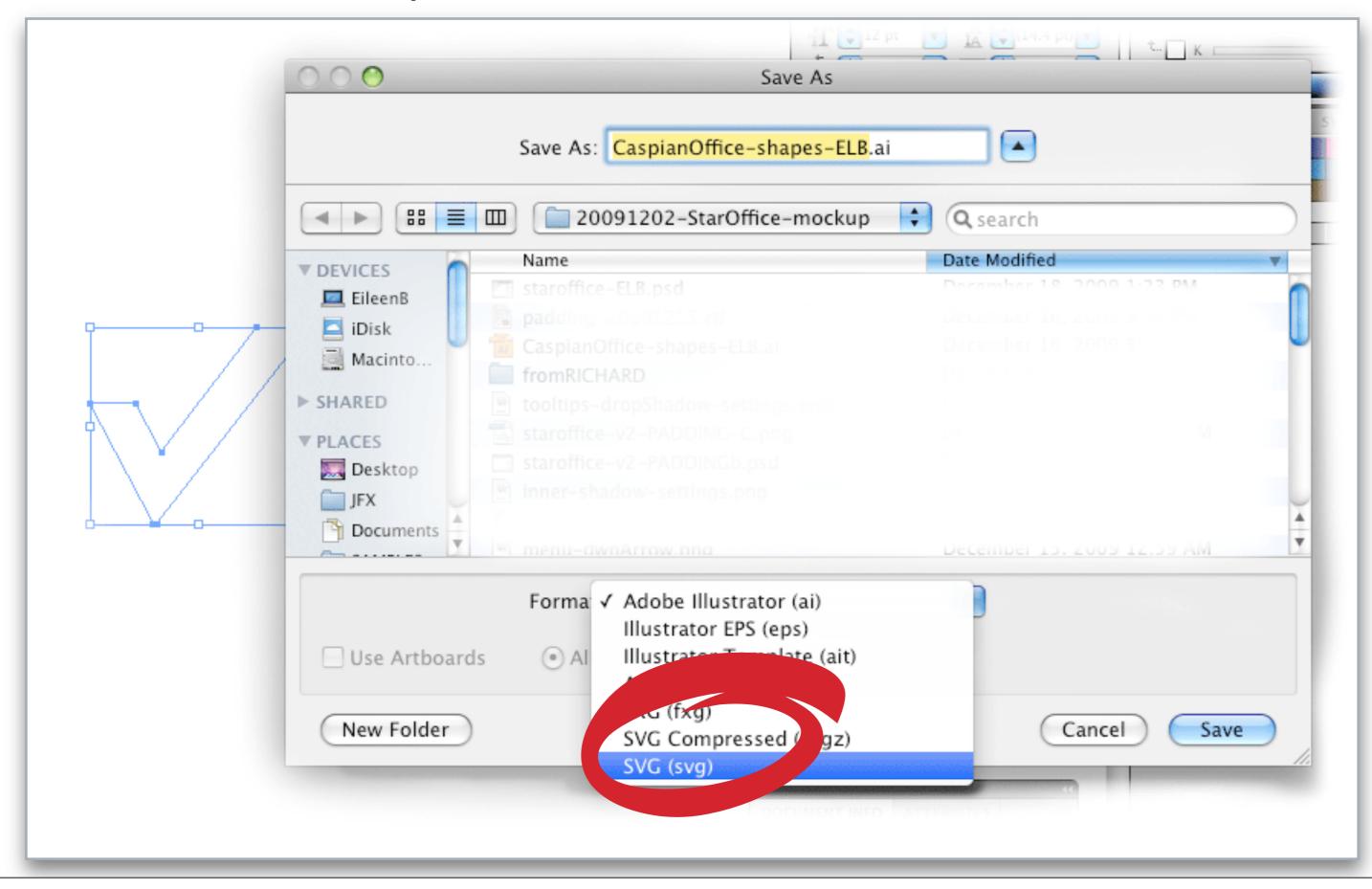
- \* Padding
- \*\* Color, including gradients
- \* Radius
- \* Insets
- **\*\*** Text-fill color
- \* Opacity
- \*\* Background Image

- **\*\*** Tick-mark-stroke
- \*\* Scale-shape
- \* Pannable
- # Icon-gutter
- **\*** Cursor
- # Echo-char
- \*\* ...etc.



## **\*\*** Use SVG Code

- Photoshop ---> Illustrator ---> SVG code ---> CSS







What about 'a complex' shape, like a checkmark? Can you style that with CSS?

Well, Yes you can!... and here's one way to do it, using SVG code.

First I create a vector shape in Adobe Photoshop.

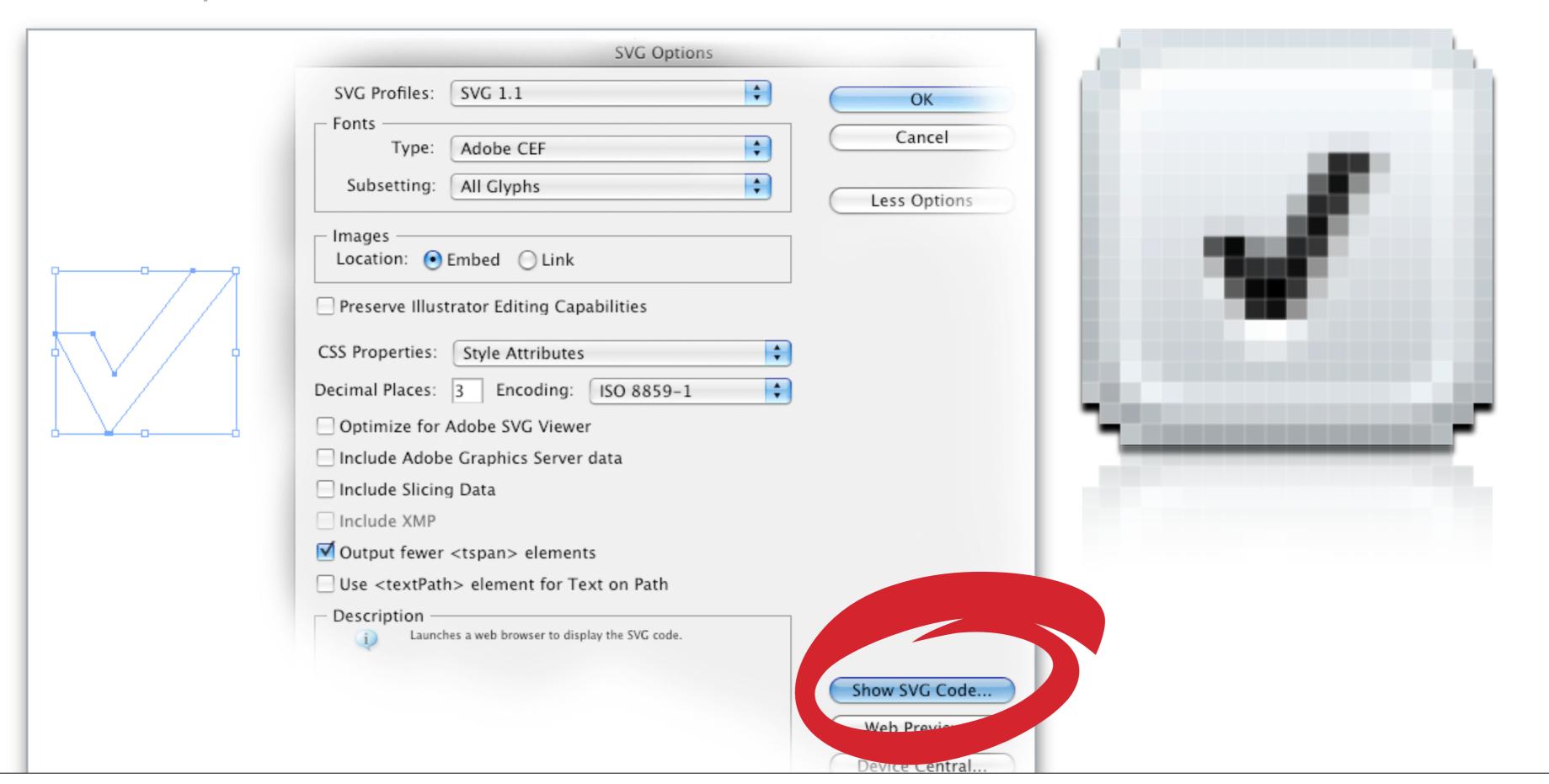
(You can also create a shape directly in Adobe Illustrator, or in any other vector drawing program)

I copy the shape and paste it into Illustrator as a "compound shape," and then I save this new file in SVG format.

.

## **\*\*** Use SVG Code

- Photoshop ---> Illustrator ---> SVG code ---> CSS



**ORACLE®** 

## **\*\*** Use SVG Code

Photoshop ---> Illustrator ---> SVG code ---> CSS

```
ai12857174131.txt
<?xml version="1.0" encoding="iso-8859-1"?>
<!-- Generator: Adobe Illustrator 14.0.0, SVG Export Plug-In . SVG Version: 6.00 Build 43363) -->
<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.1//EN" "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11.dtd">
<svg version="1.1" id="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px"</pre>
         width="612px" height="792px" viewBox="0 0 612 792" style="enable-background:new 0 0 612 792;" xml:space="preserve">
-path style="fill-rule:evenodd;clip-rule:evenodd;fill:none;" d="M0,4H2L3,6L6,0H8L4,8H2Z"/>
</svg>
                                                    284
                                                    285
                                                            check bex.selected *.mark {
SVG path for checkmark shape
                                                               -fx-shape: "M0,4H2L3,6L6,0H8L4,8H2Z";
                                                    286
                                                    287
                                                               -fx-background-color:
                                                                    -fx-mark-highlight-color,
                                                    288
                                                    289
                                                                    -fx-mark-color:
                                                               -fx-background-insets: 1 0 -1 0, 0;
                                                    290
                                                    291
                                                    292
                                                                                                                     ORACLE
```

A text-filled window is displayed.

From within this Adobe Illustrator "Show SVG Code" text window, I copy the SVG code string which begins with the letter "M", and which is located between the quotation marks near the end of the text output.

Then I paste that SVG code string into my CSS file, as the value for my checkmark's "-fx-shape".

1

- **\*\*** Use SVG Code
  - Photoshop ---> Illustrator ---> SVG code ---> CSS
- \*\* Examples:
  - Check Mark
  - Menu Arrows
  - Scrollbar Arrows
  - Tooltip Page Curl
  - Tree Turner
  - -... etc.







## Outline

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- . Q&A

```
-fx-accent: #114169; fill: -fx-text-inner-color; -fx-base: #3f3f3f0mpt-text-fill: derive(-fx-control-in
  -fx-background: #040404;3 () %):
  -fx-control-inner-background: white; -fx-accent;
 -fx-focus-color: #31BAED;
-fx-dark-text-color: black;
-fx-mid-text-color: #292929;
  -fx-light-text-color white n-focus: true;
  -fx-color: -fx-base;
  -fx-hover-base: ladder -fx-base stops (20%,derive(-fx-base,20%)) (35%,derive(-fx-base,20%))
(50%, derive(-fx-base, 40%));
  -fx-pressed-base: derive(-fx-base,-40%);
  -fx-box-border: #000000;
  -fx-text-box-border: ladder -fx-background stops (0.1,black) (0.3,derive(-fx-background))
  -fx-shadow-highlight-color:#3B3B3B;
  -fx-outer-border: #000000;
  -fx-inner-border: linear (0%, 0%) to (0%, 100%) stops (0%, #7A7A7A) (100%, #52
  -fx-body-color: linear (0%,0%) to (0%,100%) stops (0,derive(-fx-color,34%)) (1,d
```

color,-18%));

Although the Caspian look is great, suppose you want to tweak it?

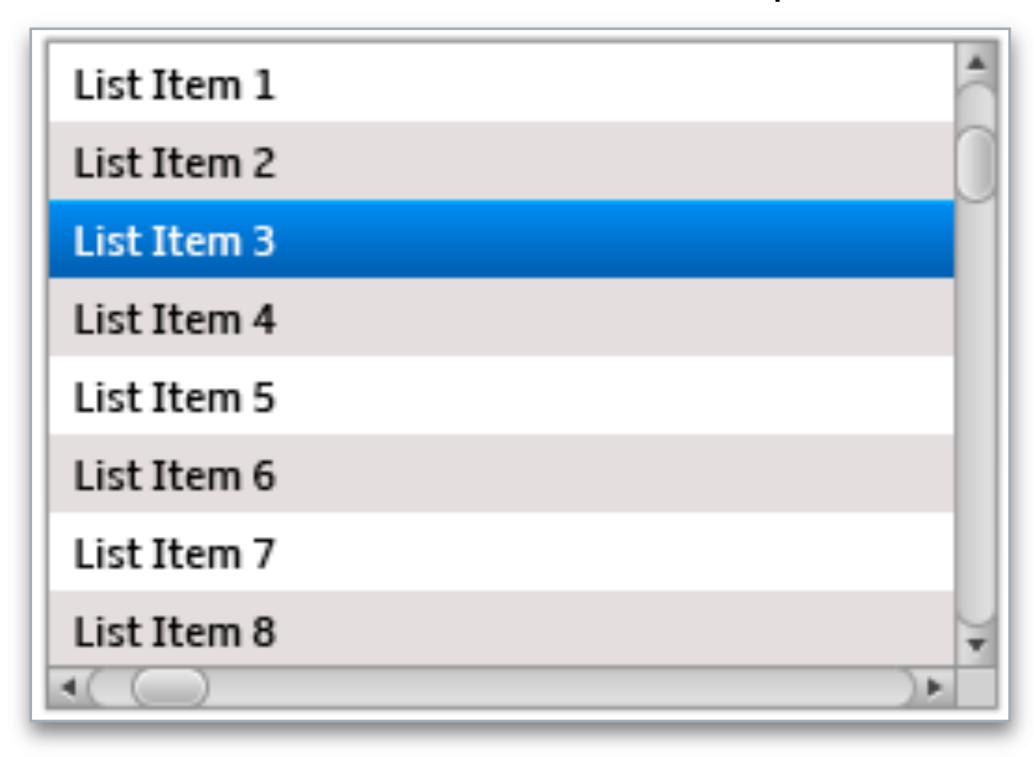
Maybe you need to incorporate some of your company's branding into your application.... Or maybe you're porting your app to a different form factor than the Desktop...

Our JavaFX CSS makes it easy to customize your interface to suit your needs.

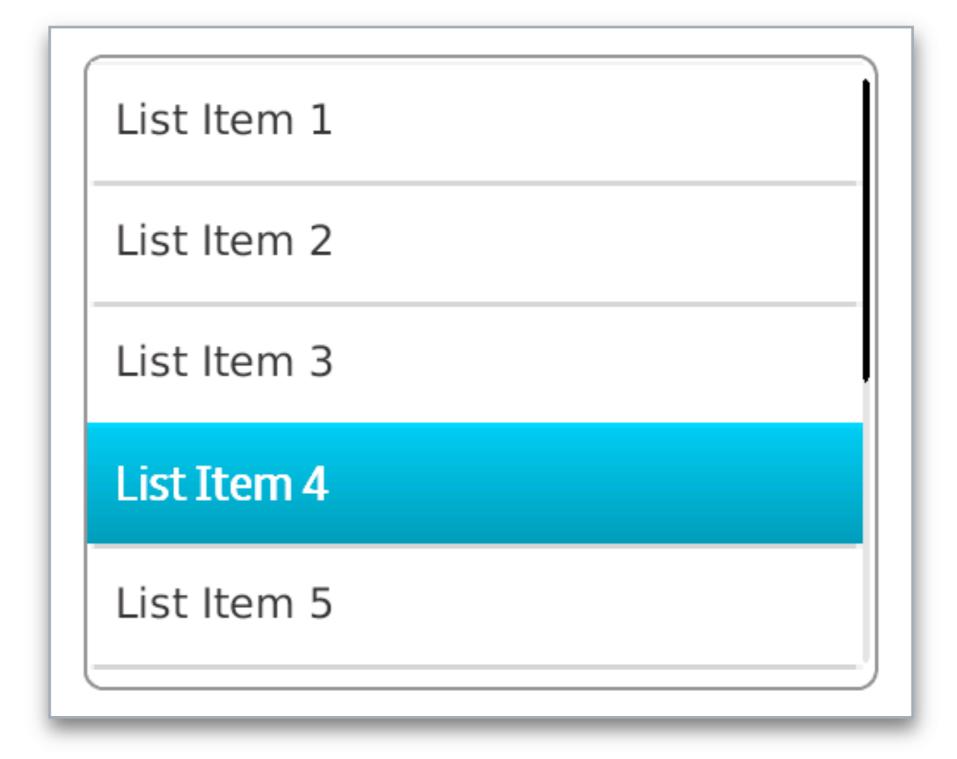
# Changing the Default Look

\* ListView: Re-themed for a Touch device





Touch Device ListView





As I mentioned, the Caspian default theme is designed & sized for Desktop use.

But what if you have a touch-screen device?

You'll need to make changes to the UI to accommodate things like finger touch-target sizes.

Here's an example of a ListView... on the left is the default Caspian appearance for Desktop. On the right is the same ListView control, re-themed for touch by making changes to the caspian.css file.

#### Changes include:

- -- removing the ListCell even/odd coloring
- -- increasing the ListCell font size and the cell-height
- -- specifying a color and thickness for the ListCell bottom border, to act as a separator between list items
- -- changing the color of the focused 'selection bar'
- -- giving a rounded corner effect to the LIstView container, and specifying a border color & thickness for it
- -- changing the vertical scrollbar to a scroll "indicator" by removing the increment/decrement arrows, corner piece and borders, and removing the horizontal scrollbar
- -- restyling the scrollbar thumb and track

1

# Ways to Implement JavaFX Theming

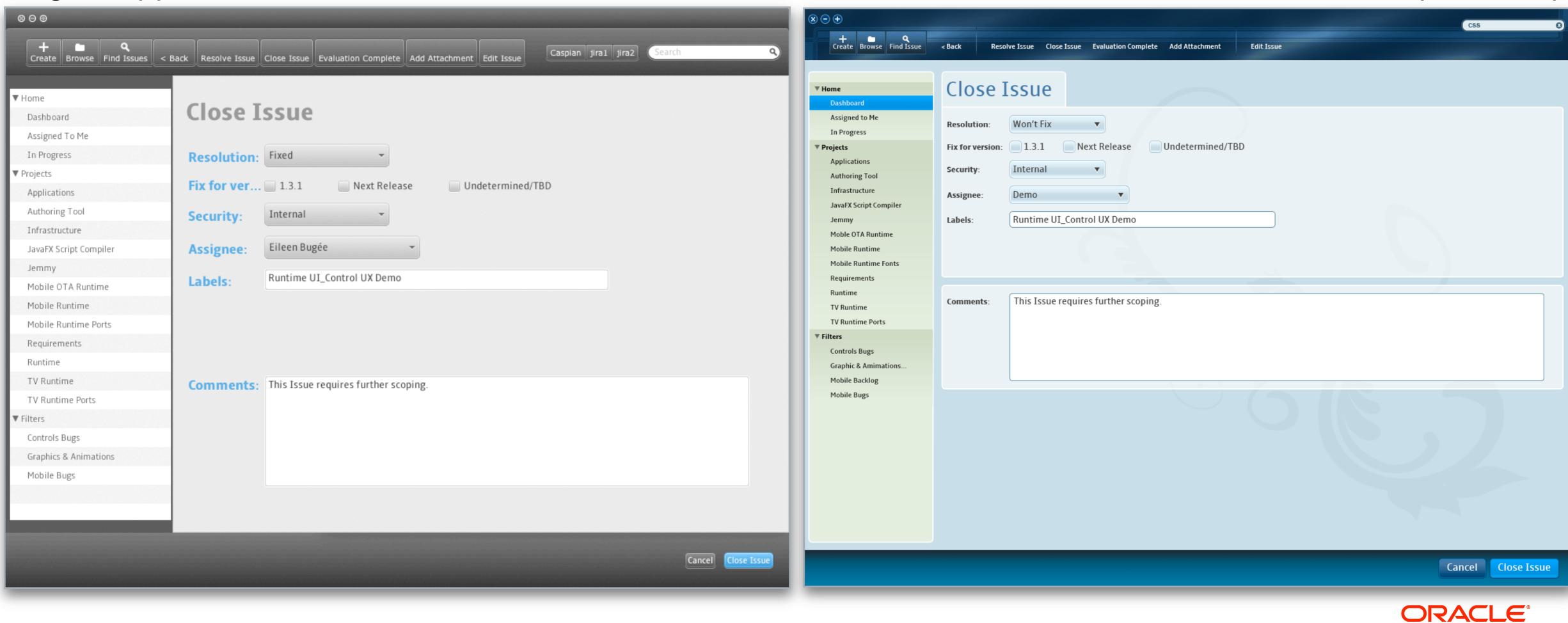
- \* Change the "base set" of Caspian theme colors
- \* Change specs for individual controls inside the "caspian.css" file
- \* Add new styleClasses to the "caspian.css" and ".fx" files
- \* Create an external ".css" file in which to make customizations
- # etc.



# Changing the Default Look ~ a Demo

Original application screen

Photoshop mock-up



I'm going to show you how I used CSS to re-theme this application screen. It's from a working version of the JIRA Dashboard app, written in JavaFX by one of Oracle's developers.

On the left you can see the Caspian-themed screen ...
And on the right is my Adobe Photoshop mock-up, with my new theme.

Let's see how close we can get to that, using CSS...

<------ The next section of slides represents a live demo which was given at JavaOne 2010. ----->

.

## Toolbar

## Default Caspian CSS

```
/**********
* CSS Styles for the Toolbar control
.tool-bar:vertical
 -fx-padding: 2;
 -fx-spacing: 2;
.tool-bar:horizontal {
-fx-padding: 2;
 -fx-spacing: 2;
```

### Caspian-themed Toolbar



For my demo... I'm using NetBeans 6.9 and JavaFX 1.3.1 to run the JIRA Dashboard app. I'll make changes to our external style sheet by typing into it within the NetBeans editing pane. Then I'll rebuild the app and run it in NetBeans to see the result of my changes.

The first area I want to change is the Toolbar, at the top of the application screen.

As I mentioned earlier, we've added an external style sheet to override, and add to, some of the existing caspian.css styleClasses.

In the center of this slide is the CSS for the default Caspian Toolbar.

On the right is the CSS of our external style sheet. It extends the default Toolbar styling, and it overrides values set for same-named properties in the caspian.css file. The external style sheet 'code' on this slide adds specs for the Main Window, Min/Max/Close buttons, and all the buttons aligned in a row on the toolbar.

This style sheet also specifies the color & appearance of the Toolbar itself.

## CSS in External Style Sheet

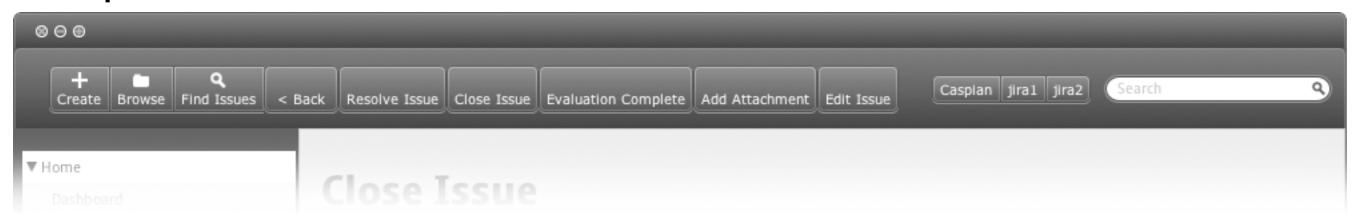
```
/*********
 Section 1 - Toolbar & Main Background
/* ===== MAIN WINDOW background ====== */
#main-window {
  -fx-background-color: #3e3e3e;
  -fx-background-radius: 6 6 0 0;
/* ===== used for Min/Max/Close ===== */
frame-button {
 -fx-background-color: #616161, #464646, #505050;
 -fx-background-insets: 0,1,2;
 -fx-background-radius: 6,5,4;
 -fx-padding: 2;
.frame-button Rectangle {
  -fx-fill: #949494;
/* ===== SEGMENT BUTTONS - Create/Browse/Find ====== */
#left-segement {
  -fx-background-radius: 5 0 0 5, 5 0 0 5, 4 0 0 4, 3 0 0 3;
  -fx-background-insets: 0 0 -1 0, 0, 1 0 1 1, 2 1 2 2;
#center-segement {
 -fx-background-radius: 0, 0, 0, 0;
 -fx-background-insets: 0 0 -1 0, 0, 1 0 1 1, 2 1 2 2;
#right-segement {
 -fx-background-radius: 0 5 5 0, 0 5 5 0, 0 4 4 0, 0 3 3 0;
/* ===== TOOLBAR ===== */
#toolbar {
  -fx-padding: 2 10 2 10;
  -fx-base: #434343;
  -fx-background: #434343;
 -fx-background-color: linear (0%,0%) to (0%,100%) stops (0%,
#6f6f6f) (100%, #4b4b4b),
             linear (0%,0%) to (0%,100%) stops (0%, #595959)
(100%, #282828);
 -fx-background-radius: 5 5 0 0, 4 4 0 0;
  -fx-background-insets: 0, 1 1 0 1;
#toolbar *.button {
 -fx-font: 10pt "Verdana";
  -fx-padding: 5 6 3 6;
  -fx-graphic-text-gap: 2;
  -fx-graphic-hpos: center;
                                           ORACLE
 -fx-graphic-vpos: top;
```



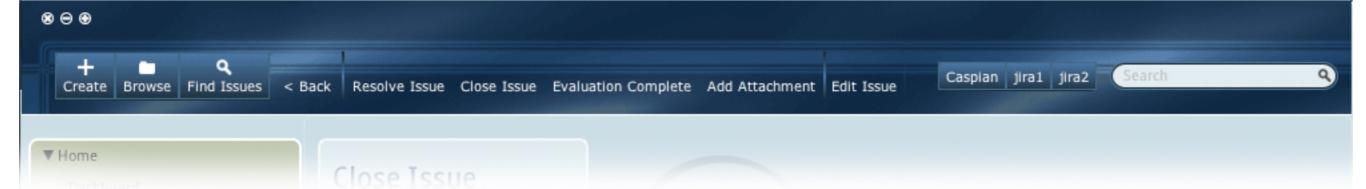
## Toolbar

```
CSS in External
/*********
Section 1 - Toolbar & Main Background
                                                      Style Sheet
/* ===== MAIN WINDOW background ====== */
#main-window {
 -fx-background-color: #3e3e3e;
 -fx-background-radius: 6 6 0 0;
/* ===== used for Min/Max/Close ===== */
frame-button {
 -fx-background-color: #616161, #464646, #505050;
 -fx-background-insets: 0,1,2;
 -fx-background-radius: 6,5,4;
 -fx-padding: 2;
.frame-button Rectangle {
 -fx-fill: #949494;
/* ===== SEGMENT BUTTONS - Create/Browse/Find ====== */
 -fx-background-radius: 5 0 0 5, 5 0 0 5, 4 0 0 4, 3 0 0 3;
 -fx-background-insets: 0 0 -1 0, 0, 1 0 1 1, 2 1 2 2;
 -fx-background-radius: 0, 0, 0, 0;
 -fx-background-insets: 0 0 -1 0, 0, 1 0 1 1, 2 1 2 2;
 -fx-background-radius: 0 5 5 0, 0 5 5 0, 0 4 4 0, 0 3 3 0;
/* ===== TOOLBAR ===== */
#toolbar {
 -fx-padding: 2 10 2 10;
 -fx-base: #434343;
 -fx-background: #434343;
  -fx-background-color: linear (0%,0%) to (0%,100%) stops (0%, #6f6f6f) (100%, #4b4b4b),
            linear (0%,0%) to (0%,100%) stops (0%, #595959) (100%, #282828);
 -fx-background-radius: 5 5 0 0, 4 4 0 0;
 -fx-background-insets: 0, 1 1 0 1;
```

### Caspian Theme



### My New Theme



In order to get the Toolbar area closer to my Photoshop mock-up, I need to change some of the CSS specifications in our external style sheet.

In the center of this slide is the CSS for the 'original/Caspian-themed' Toolbar.

On the right you see the same base CSS, but with my additions and revisions highlighted.

Here's what I changed:

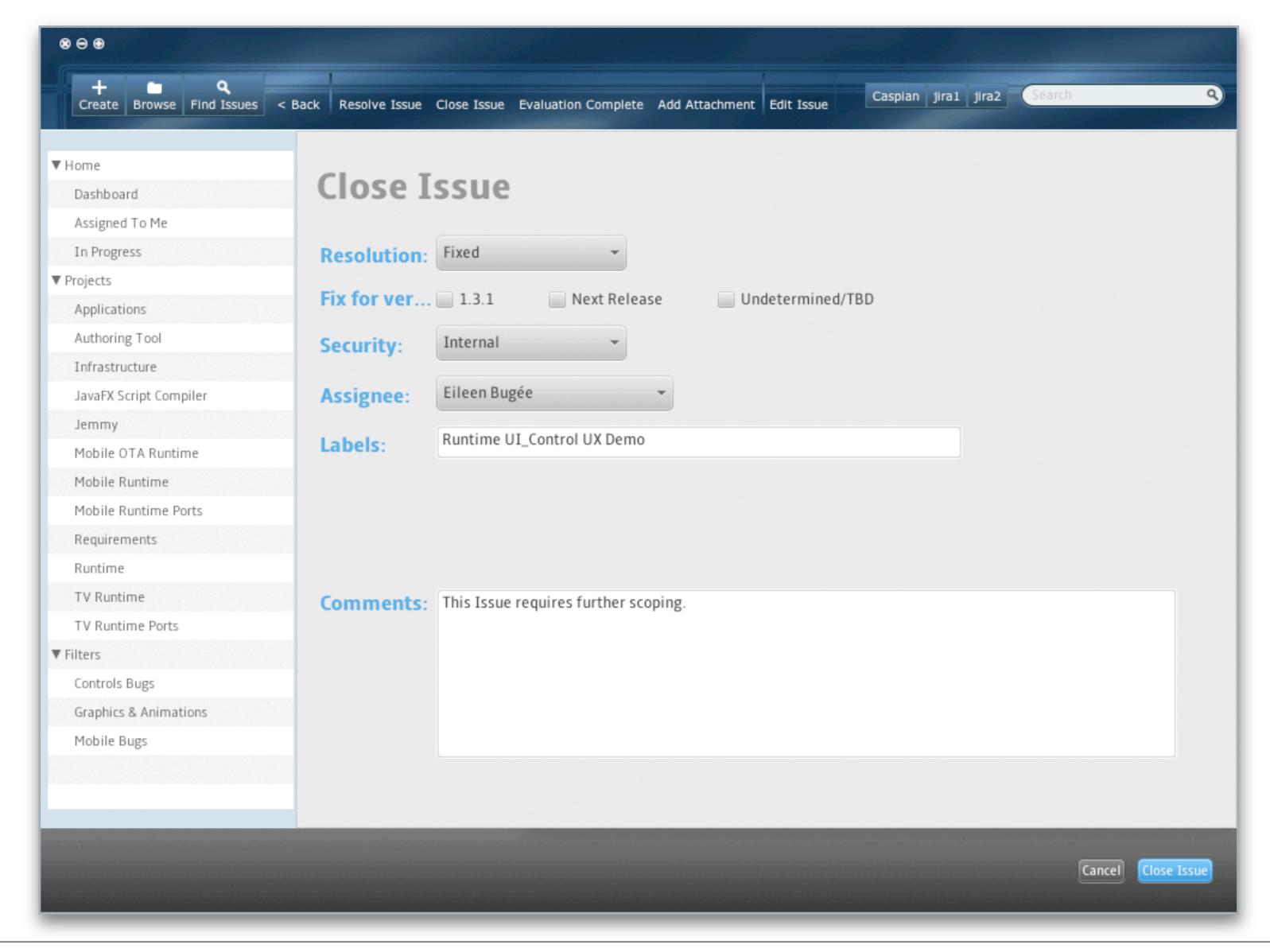
- -- replaced the main window's grey background color with light blue (-fx-background-color: #bdd6e2;)
- -- changed the Min/Max/Close buttons' background color to transparent, and their icons to white (frame-button) (frame-button Rectangle) -- replaced the inherited grey colors of the "Create/Browse/Find" Toolbar buttons with blue gradients and a blue border (SEGMENT BUTTONS - Create/Browse/Find)
- -- removed the background color completely from the "Back/Resolve/Close/etc" Toolbar buttons (-fx-background-color: transparent;)
- -- styled one vertical border of these buttons with a gradient to act as a separator between button groups (#action-left-segement) (#action-right-segement)
  - (I am misspelling "segment" as "segement" in the CSS to follow the original engineer's misspelling, so as to not break the build)
- -- replaced the grey gradient backgrounds on #toolbar\_top and #toolbar with background-images. These 2 images "butt" up against each other, and combine to give the look of a single background,
- -- specified new colors for the SearchBox

```
Changes to CSS
/********
Section 1 - Toolbar & Main Background
/* ===== MAIN WINDOW background ====== */
#main-window {
  -fx-background-color: #bdd6e2;
  -fx-background-radius: 6 6 0 0;
/* ===== used for Min/Max/Close ===== */
.frame-button {
  -fx-background-color: transparent;
 -fx-background-insets: 0,1,2;
 -fx-background-radius: 6,5,4;
 -fx-padding: 2;
.frame-button Rectangle
  -fx-fill: white;
/* ===== SEGMENT BUTTONS - Create/Browse/Find ====== */
 -fx-background-radius: 5 0 0 5, 5 0 0 5, 4 0 0 4, 3 0 0 3;
 -fx-background-insets: 0 0 -1 0, 0, 1 0 1 1, 2 1 2 2;
  -fx-background-color: linear (0%,0%) to (0%,100%) stops (0%, #336699) (100%, #15232d);
 -fx-border-color: #2b5974;
 -fx-border-width: 1;
#center-segement {
  -fx-background-radius: 0, 0, 0, 0;
 -fx-background-insets: 0 0 -1 0, 0, 1 0 1 1, 2 1 2 2;
 -fx-background-color: linear (0%,0%) to (0%,100%) stops (0%, #336699) (100%, #15232d);
 -fx-border-color: #2b5974;
  -fx-border-width: 1;
#right-segement {
  -fx-background-radius: 0 5 5 0, 0 5 5 0, 0 4 4 0, 0 3 3 0;
 -fx-background-color: linear (0%,0%) to (0%,100%) stops (0%, #336699) (100%, #15232d);
 -fx-border-color: #2b5974;
  -fx-border-width: 1;
/* ===== SEGMENT BUTTONS - Back/Resolve/Close/etc. ====== */
#action-left-segement {
 -fx-background-color: transparent;
 -fx-border-color: linear (0%,0%) to (0%,100%) stops (0%, #142129) (50%, #326496) (100%, #142129);
 -fx-border-width: 0 2 0 0;
#action-center-segement {
  -fx-background-color: transparent;
  -fx-border-width: 0;
#action-right-segement {
 -fx-background-color: transparent;
 -fx-border-color: linear (0%,0%) to (0%,100%) stops (0%, #142129) (50%, #326496) (100%, #142129);
  -fx-border-width: 0 0 0 2;
/* ===== TOOLBAR ===== */
#toolbar_top {
 -fx-padding: 2 10 2 10;
 -fx-base: #434343;
 -fx-background: #434343;
  -fx-background-image: "Header_1261x26-8bt.png";
  -fx-background-radius: 5 5 0 0, 4 4 0 0;
  -fx-background-insets: 0, 1 1 0 1;
 -fx-padding: 2 10 2 10;
 -fx-base: #434343;
 -fx-background: #434343;
  -fx-background-image: "Header_1261x60-8bt.png";
  -fx-background-radius: 0 0;
 -fx-background-insets: 0, 1 1 0 1;
#toolbar *.button {
 -fx-font: 10pt "Verdana";
 -fx-padding: 5 6 3 6;
                                                                                     ORACLE
 -fx-graphic-text-gap: 2;
  -fx-graphic-hpos: center;
  -fx-graphic-vpos: top;
/* ===== SEARCH BOX ============ */
```

#search-box-textbox {

-fx-background-color: #396789, #142129, #DAE8EE;

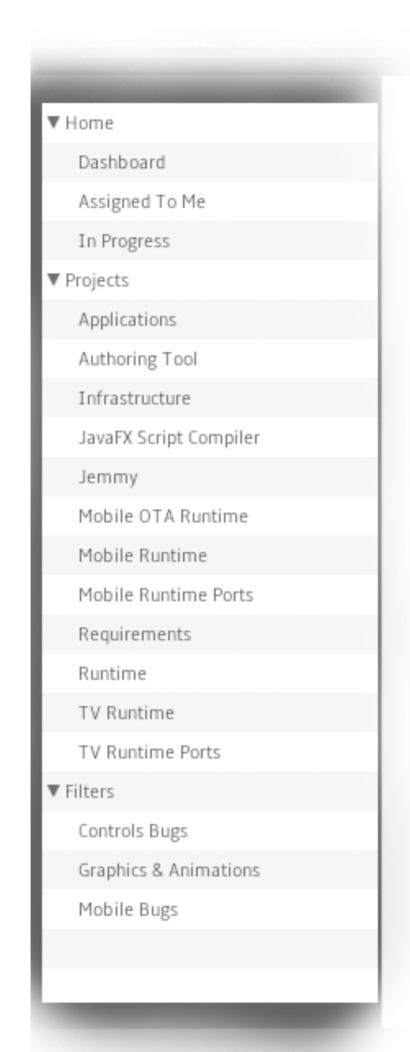
## Toolbar ~ Re-themed





Here's the result of my NetBeans build, with my Toolbar revisions added to our external style sheet...

## TreeView



## Caspian-themed TreeView

```
/*************
* CSS Styles for the TreeView control including the TreeCell
************
.tree-view {
  -fx-padding: 1;
 -fx-background-color: pink, yellow;
 xxx-fx-background-color: -fx-box-border,
-fx-control-inner-background;
 -fx-background-insets: 0,1;
.tree-view:focused {
  -fx-padding: 1;
 -fx-background-color: pink, yellow;
  xxx-fx-background-color: -fx-focus-color,-fx-box-border,
-fx-control-inner-background;
 -fx-background-insets: -1.4, 0, 1;
  -fx-background-radius: -1.4, 0, 0;
.tree-view > * > .scroll-bar:vertical{
  -fx-background-insets: 0, 0 0 0 1;
 -fx-padding: -1 -1 -1 0;
.tree-view > * > .scroll-bar:horizontal{
 -fx-background-insets: 0, 1 0 0 0;
  -fx-padding: 0 0 -1 -1;
.tree-cell {
  -fx-cell-size: 24;
  -fx-indent: 6;
  -fx-padding: 3;
  -fx-background-color: pink, yellow;
  xxx-fx-background-color: -fx-control-inner-background;
.tree-cell .label {
  -fx-padding: 0 0 0 3;
.tree-cell:odd {
 -fx-background-color: pink, yellow;
 xxx-fx-background-color:
derive(-fx-control-inner-background,-5%);
.tree-cell:filled:selected {
  -fx-background: -fx-accent;
  -fx-background-color: pink, yellow;
 xxx-fx-background-color: -fx-selection-bar;
  -fx-text-fill: -fx-selection-bar-text;
.tree-disclosureNode {
  -fx-background-color: pink, yellow;
  xxx-fx-background-color: -fx-mark-color;
  -fx-padding: 4;
  -fx-shape: "M 0 -4 L 8 0 L 0 4 z";
.tree-cell:filled:selected .tree-disclosureNode {
 -fx-background-color: pink, yellow;
  xxx-fx-background-color: -fx-selection-bar-text;
```

Default

CSS

Caspian

\* CSS Styles for the TreeView control including the TreeCell

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

/\* nothing added to default \*/

in External

Style Sheet



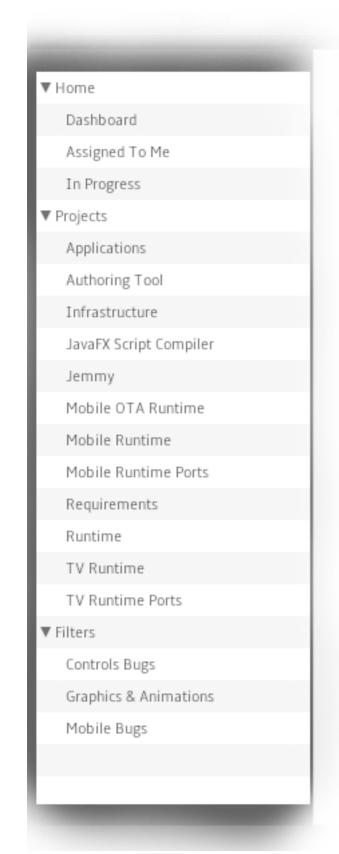
The next area I want to change is the TreeView, on the left side of the application screen.

In the center of this slide is the CSS for the default Caspian TreeView.

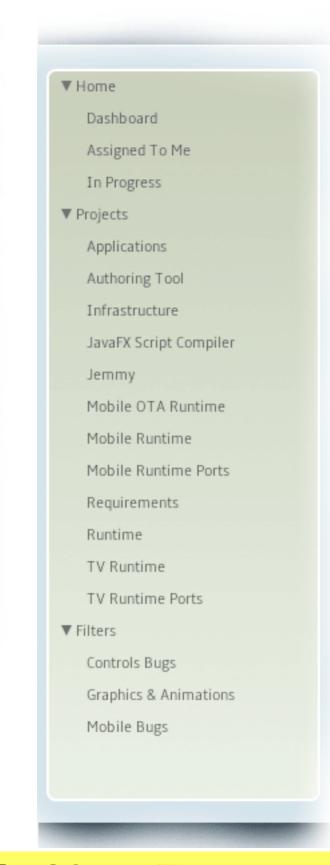
Next to it is the CSS of our external style sheet for the TreeView. You can see that the engineer used the default TreeView for his JIRA Dashboard application.

However, I'm going to change the TreeView's appearance to match my Photoshop mock-up. To do this, I'll need to add some new CSS 'code' to our external style sheet...

## TreeView



## Caspian Theme



My New Theme

```
/*************
                                                             Default
* CSS Styles for the TreeView control including the TreeCell
************
                                                          Caspian
.tree-view {
 -fx-padding: 1;
 -fx-background-color: pink, yellow;
 xxx-fx-background-color: -fx-box-border,
-fx-control-inner-background;
 -fx-background-insets: 0,1;
.tree-view:focused {
 -fx-padding: 1;
  -fx-background-color: pink, yellow;
 xxx-fx-background-color: -fx-focus-color,-fx-box-border,
-fx-control-inner-background;
  -fx-background-insets: -1.4, 0, 1;
  -fx-background-radius: -1.4, 0, 0;
.tree-view > * > .scroll-bar:vertical{
 -fx-background-insets: 0, 0 0 0 1;
  -fx-padding: -1 -1 -1 0;
.tree-view > * > .scroll-bar:horizontal{
 -fx-background-insets: 0, 1 0 0 0;
 -fx-padding: 0 0 -1 -1;
.tree-cell {
 -fx-cell-size: 24;
  -fx-indent: 6;
  -fx-padding: 3;
 -fx-background-color: pink, yellow;
 xxx-fx-background-color: -fx-control-inner-background;
.tree-cell .label {
 -fx-padding: 0 0 0 3;
.tree-cell:odd {
 -fx-background-color: pink, yellow;
 xxx-fx-background-color:
derive(-fx-control-inner-background,-5%);
.tree-cell:filled:selected {
 -fx-background: -fx-accent;
 -fx-background-color: pink, yellow;
 xxx-fx-background-color: -fx-selection-bar;
  -fx-text-fill: -fx-selection-bar-text;
.tree-disclosureNode {
 -fx-background-color: pink, yellow;
 xxx-fx-background-color: -fx-mark-color;
 -fx-padding: 4;
  -fx-shape: "M 0 -4 L 8 0 L 0 4 z";
.tree-cell:filled:selected .tree-disclosureNode {
 -fx-background-color: pink, yellow;
```

xxx-fx-background-color: -fx-selection-bar-text;

```
/*********
** Section 2 - Tree
.mystyle {
 -fx-padding: 1;
 -fx-background-color:
linear (0%, 0%) to (0%, 100%)
stops (0%, #adbb9b) (100%, #deebd7);
 -fx-background-insets: 2,2,2,2;
 -fx-border-width: 2222;
 -fx-border-color: white;
 -fx-border-radius: 6;
.mystyle:focused {
  -fx-border-color: white;
/* ===== TreeItem/TreeCell ===== */
.tree-cell {
 -fx-cell-size: 24;
 -fx-indent: 6;
 -fx-padding: 10;
 -fx-background-color: transparent;
.tree-cell .label {
 -fx-padding: 0 0 0 3;
```

-fx-background-color: transparent;

.tree-cell:odd {

**CSS** 

New CSS in External Style Sheet



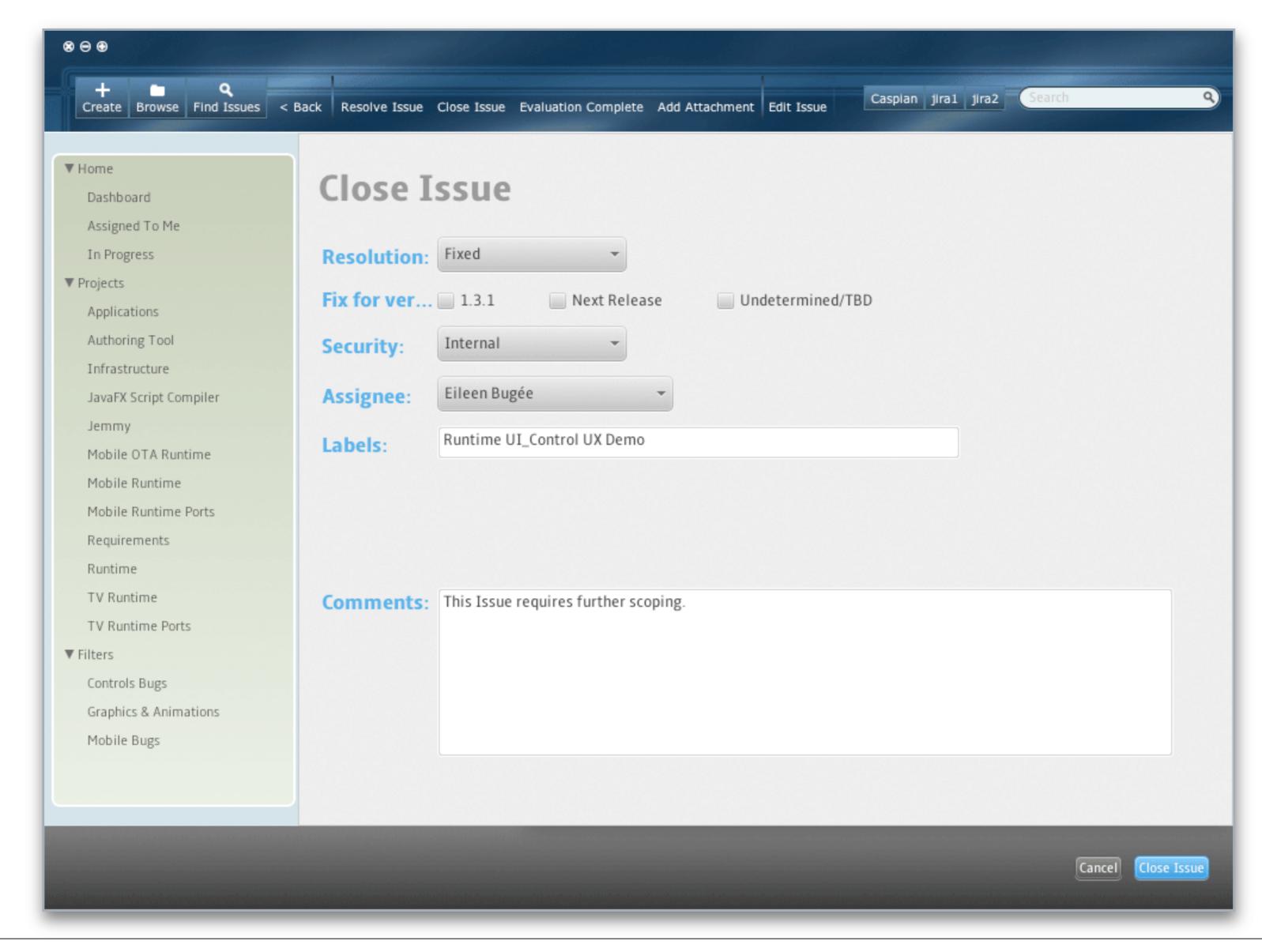
In order to get the TreeView to look like my Photoshop mock-up, I need to add some specifications & revise other specs in our external style sheet.

In the center of this slide is the CSS for the 'original/Caspian-themed' TreeView. On the right you see my additions to our external style sheet, and a couple of revisions to the default caspian.css.

Here's what I changed:

- -- created a styleClass for a new background shape (.mystyle). The styleClass "mystyle" was also added to the MainWindow.fx file.
- -- styled this background with rounded corners, a white border and a green background gradient. ( .mystyle )
- -- changed the TreeView's even/odd striped background to transparent, so that the green background gradient shows through. (.tree-cell) (.tree-cell)
- -- unpinned the TreeView from the screen edge and "floated" it within the left pane area. (in the MainWindow.fx file)

## TreeView ~ Re-themed





Here's the result of my NetBeans build, with my TreeView revisions added to our external style sheet.

It's getting close to looking like my Photoshop mock-up, but now the "body" of the screen looks out of place. Let's fix that next...

# Body

### Default Caspian CSS

```
/***************
** Section 3 - Right Panel & Status bar
*************
/* Close Action Region */
#issue-action-region {
 -fx-font-size: 14pt;
 -fx-background: #e5e5e5;
 -fx-padding: 20;
 -fx-background-color: #b6b6b6, #e5e5e5;
 -fx-background-insets: 0,1;
 -fx-effect: dropshadow(three-pass-box,
rgba(0,0,0,0.4), 25, 0.0, 0, 0);
#issue-action-region-title {
 -fx-font-size: 50;
 -fx-font-weight: bold;
 -fx-text-fill: #767676;
 -fx-effect: dropshadow(one-pass-box, white,
0, 0.0, 0, 1);
.issue-action-region-label {
 -fx-font-size: 18pt;
 -fx-font-weight: bold;
 -fx-text-fill: #2092e4;
 -fx-effect: dropshadow(one-pass-box, white,
0, 0.0, 0, 1);
#issue-action-region-button {
 -fx-font-size: 12pt:
 -fx-padding: 6 15 6 15;
 -fx-background-radius: 5, 5, 4, 3;
#issue-action-region-button:strong {
 -fx-text-fill: white;
```

```
.check-box .box
  -fx-padding: 3 3 3 3;
  -fx-background-color: -fx-shadow-highlight-color,
-fx-outer-border, -fx-inner-border, -fx-body-color;
  -fx-background-radius: 2, 2, 1, 1;
  -fx-background-insets: 0 0 -1 0, 0, 1, 2;
.choice-box {
  -fx-padding: 2 6 3 6;
  -fx-background-color: -fx-shadow-highlight-color,
-fx-outer-border, -fx-inner-border, -fx-body-color;
  -fx-background-radius: 5, 5, 4, 3;
  -fx-background-insets: 0 0 -1 0, 0, 1, 2;
  -fx-vpos: CENTER;
  -fx-graphic-vpos: CENTER;
#statusbar {
  -fx-padding: 2 20 2 10;
  -fx-base: #434343;
  -fx-background: #434343;
  -fx-background-color: linear (0%,0%) to (0%,100%)
stops (0%, #595959) (100%, #212121);
#statusbar *.button {
  -fx-padding: 3 4 2 4;
```

### New CSS in External Style Sheet

```
** Section 3 - Right Panel & Status bar
*************
/* ===== Close Action Region ===== */
#issue-action-region {
 -fx-font-size: 16pt;
  -fx-background: #e5e5e5;
  -fx-padding: 17;
  -fx-background-color: #b6b6b6, #e5e5e5;
  -fx-background-insets: 0,1;
  -fx-effect: dropshadow(three-pass-box,
rgba(0,0,0,0.4), 25, 0.0, 0, 0);
  -fx-border-color: white;
  -fx-border-radius: 6;
  -fx-background-color: #bdd6e2;
  -fx-text-fill: #336699;
  -fx-background-image: "watermark80pct.png";
#issue-action-region-title {
  -fx-font-size: 50;
  -fx-text-fill: #003366;
  -fx-effect: dropshadow(one-pass-box, white, 0,
0.0, 0, 1);
  -fx-border-width: 2202;
  -fx-border-color: white;
  -fx-border-radius: 6 6 0 0;
  -fx-padding: 4 16 4 6;
  -fx-background-color: #e5eff3;
  -fx-background-radius: 6 6 0 0;
  -fx-opacity: .6;
.issue-action-region-label {
  -fx-font-size: 14pt;
  -fx-font-weight: bold;
  -fx-text-fill: #333333;
  -fx-effect: dropshadow(one-pass-box, white, 0,
0.0, 0, 1);
#issue-action-region-button {
  -fx-font-size: 18pt;
  -fx-padding: 6 15 6 15;
  -fx-background-radius: 6, 6, 5, 4;
  -fx-background-color: linear (0%,0%) to (0%,100%)
stops (0%, #336699) (100%, #033669);
  -fx-background-color: #003366, #006699,
linear (0%,0%) to (0%,100%) stops (0%, #336699)
(100\%, #003366);
  -fx-text-fill: white;
#issue-action-region-button:strong {
 -fx-background-color: #003366, #006699,
linear (0%,0%) to (0%,100%) stops (0%, #4bb1fc)
(75%, #0072ce) (95%, #0093ff);
```

```
#issue-action-region-choice-box {
  -fx-padding: 5 18 6 6;
  -fx-background-color: #92b6c7, white,
linear (0%,0%) to (0%,100%) stops (0%, #elf4fd)
(70%, #aaccdd) (100%, #elf4fd);
  -fx-background-radius: 6, 5, 4;
  -fx-background-insets: 0, 1, 2;
  -fx-vpos: CENTER;
  -fx-graphic-vpos: CENTER;
  -fx-text-fill: #333333;
  -fx-color: -fx-pressed-base;
  -fx-font-size: 16pt;
#issue-check-box.box {
 -fx-background-color: #92b6c7, white,
linear (0%,0%) to (0%,100%) stops (0%, #elf4fd)
(70%, #aaccdd) (100%, #elf4fd);
 -fx-background-radius: 6, 5, 4;
  -fx-background-insets: 0, 1, 2;
  -fx-padding: 7777;
  -fx-font-size: 16pt;
#issue-action-region-roundedbox {
  -fx-background-color: #deebf1;
  -fx-background-radius: 6px;
  -fx-padding: 10px;
  -fx-border-width: 2;
  -fx-border-color: white;
  -fx-border-radius: 6;
  -fx-opacity: .6;
#issue-action-region-mostly-roundedbox {
  -fx-background-color: #deebfl;
  -fx-background-radius: 6px;
  -fx-padding: 10px;
  -fx-border-width: 2;
  -fx-border-color: white;
  -fx-border-radius: 0 6 6 6;
  -fx-opacity: .6;
/* ===== STATUSBAR ===== */
#statusbar {
  -fx-padding: 2 20 2 10;
  -fx-base: #434343;
  -fx-background: #434343;
  -fx-background-color: linear (0%,0%) to (0%,100%)
stops (0%, #142129) (100%, #006699);
#statusbar *.button {
  -fx-padding: 7 13 9 13;
                           ORACLE®
```

As I mentioned, the final area that I want to change is the body/content area of the application screen.

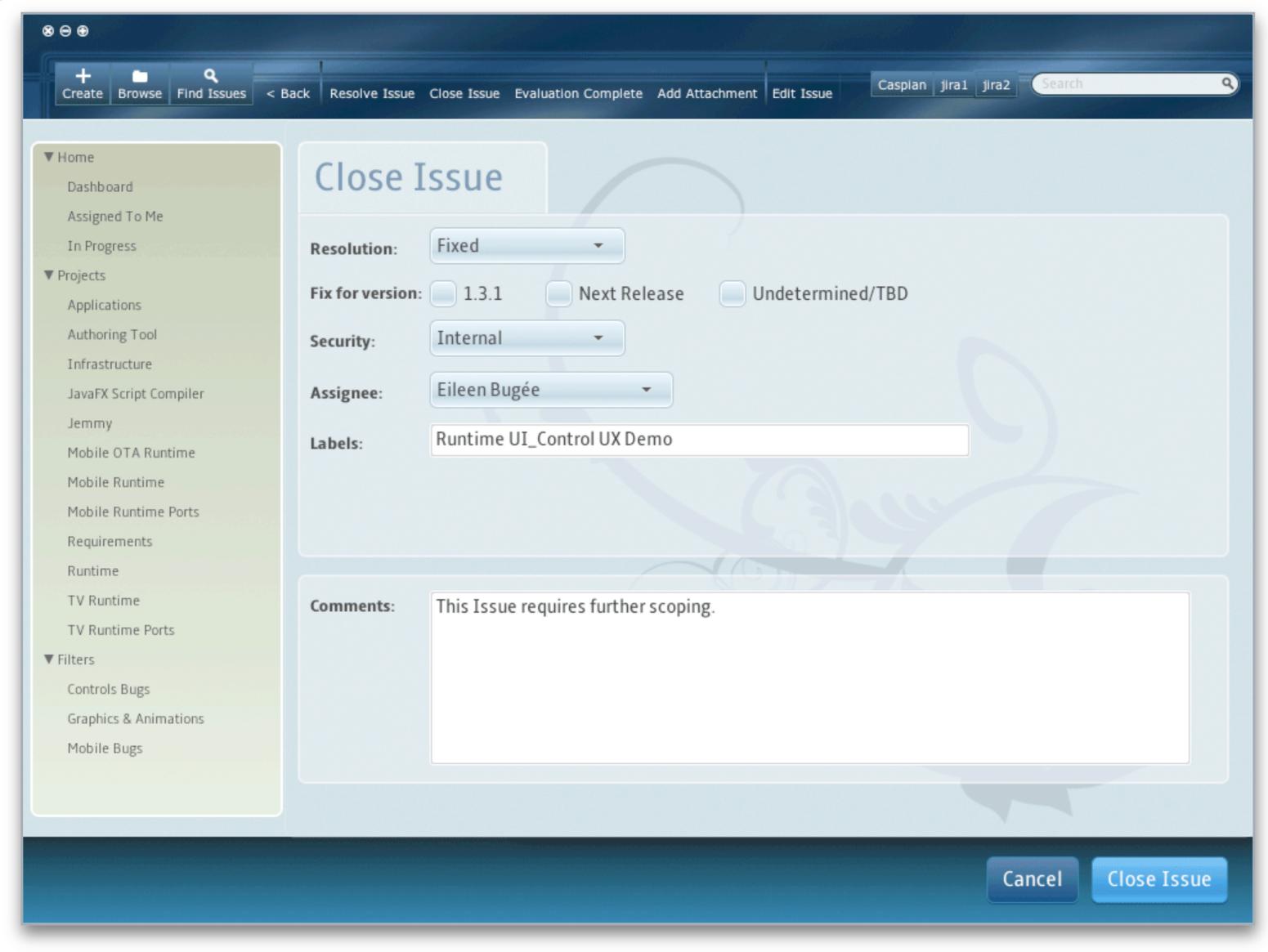
At the left of this slide are sections from the default caspian.css.

At the right is CSS of our external style sheet, showing all of my changes to these sections, as well as some new specifications.

```
Here's what I changed:
```

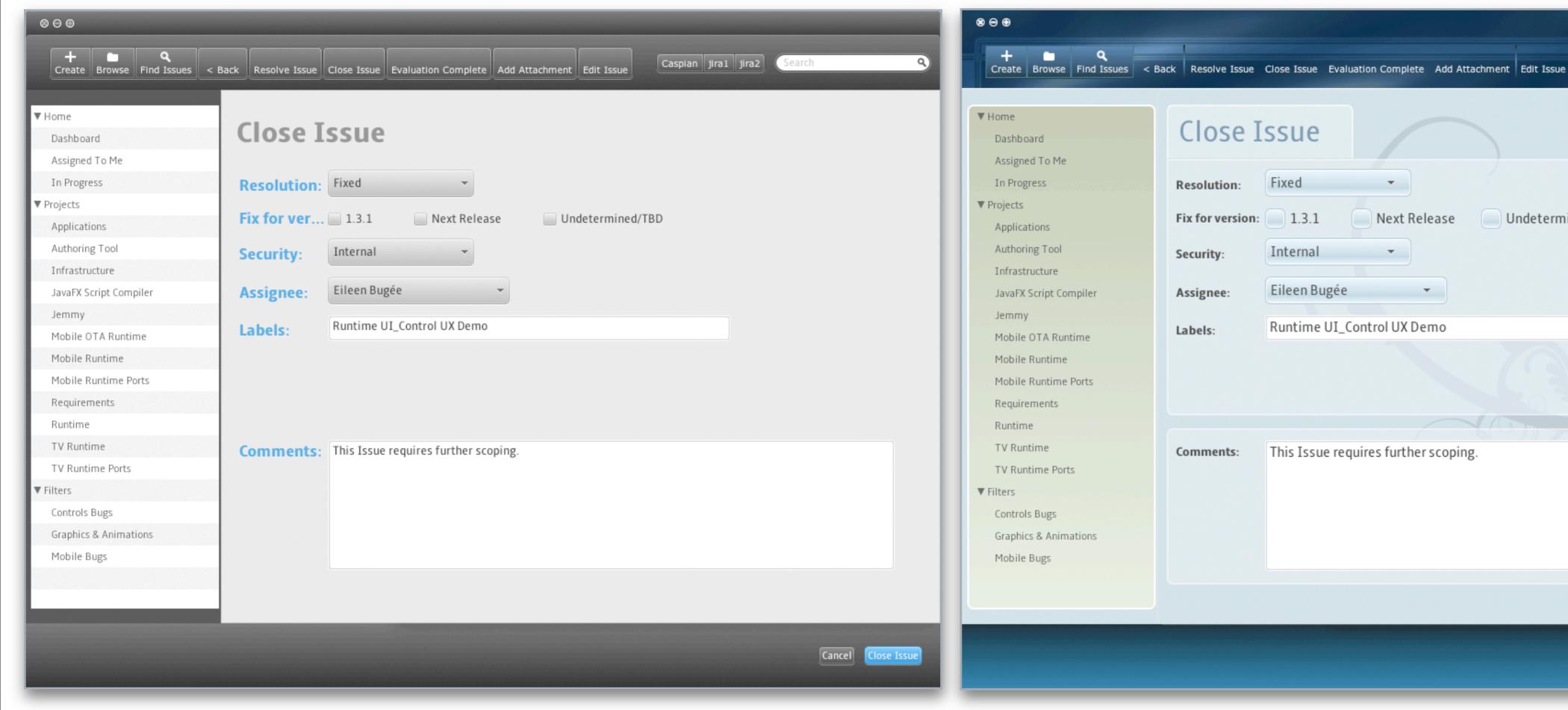
- -- increased the font size of the Controls' text (#issue-action-region { -fx-font-size: 16pt;) -- added a background image ( -fx-background-image: "watermark80pct.png"; )
- -- increased the size and changed the color of the screen's Title text ( #issue-action-region-title { -fx-font-size: 50; ) ( -fx-text-fill: #003366; )
- -- decreased the size and changed the weight and color of the Label text (.issue-action-region-label { -fx-font-size: 14pt; -fx-font-weight: bold; -fx-text-fill: #333333; )
- -- increased the dimensions and font size, and changed the colors of the status bar buttons (#issue-action-region-button) (#issue-action-region-button:strong)
- -- specified new colors, radii, padding and font size, and removed the shadow-highlight shape for the ChoiceBox and CheckBox (#issue-action-region-choice-box) (#issue-check-box .box) -- added rounded, translucent white shapes as backgrounds behind the controls (#issue-action-region-title) (#issue-action-region-roundedbox) (#issue-action-region-mostly-roundedbox)
- -- specified different button padding and gradient colors for the StatusBar background (-fx-background-color: linear (0%,0%) to (0%,100%) stops (0%, #142129) (100%, #006699); )

# **Body** ~ Entire Screen Re-themed





# Before and After... Summary



Original Application Screen

Re-themed Application Screen



Close Issue

Casplan jira1 jira2 Search

Undetermined/TBD

Here's a recap of what I did...

#### Toolbar changes:

- -- replaced the main window's grey background color with light blue ( -fx-background-color: #bdd6e2; )
- -- changed the Min/Max/Close buttons' background color to transparent, and their icons to white (frame-button) (frame-button Rectangle) -- replaced the inherited grey colors of the "Create/Browse/Find" Toolbar buttons with blue gradients and a blue border ( SEGMENT BUTTONS - Create/Browse/Find )
- -- removed the background color completely from the "Back/Resolve/Close/etc" Toolbar buttons (-fx-background-color: transparent;)
- -- styled one vertical border of these buttons with a gradient to act as a separator between button groups (#action-left-segement) (#action-right-segement)
- (I am misspelling "segment" as "segement" in the CSS to follow the original engineer's misspelling, so as to not break the build)
- -- replaced the grey gradient backgrounds on #toolbar\_top and #toolbar with background-images. These 2 images "butt" up against each other, and combine to give the look of a single background, -- specified new colors for the SearchBox

- TreeView changes: -- created a styleClass for a new background shape ( .mystyle ). The styleClass "mystyle" was also added to the MainWindow.fx file.
- -- styled this background with rounded corners, a white border and a green background gradient. ( .mystyle )
- -- changed the TreeView's even/odd striped background to transparent, so that the green background gradient shows through. (.tree-cell) (.tree-cell)
- -- unpinned the TreeView from the screen edge and "floated" it within the left pane area. (in the MainWindow.fx file)

#### **Body changes:**

- -- increased the font size of the Controls' text (#issue-action-region { -fx-font-size: 16pt;)
- -- added a background image ( -fx-background-image: "watermark80pct.png"; )
- -- increased the size and changed the color of the screen's Title text ( #issue-action-region-title { -fx-font-size: 50; ) ( -fx-text-fill: #003366; )
- -- decreased the size and changed the weight and color of the Label text (.issue-action-region-label { -fx-font-size: 14pt; -fx-font-weight: bold; -fx-text-fill: #333333; )
- -- increased the dimensions and font size, and changed the colors of the status bar buttons (#issue-action-region-button) ( #issue-action-region-button: strong) -- specified new colors, radii, padding and font size, and removed the shadow-highlight shape for the ChoiceBox and CheckBox (#issue-action-region-choice-box) (#issue-check-box .box)
- -- added rounded, translucent white shapes as backgrounds behind the controls (#issue-action-region-title) (#issue-action-region-roundedbox) (#issue-action-region-mostly-roundedbox)
- -- specified different button padding and gradient colors for the StatusBar background (-fx-background-color: linear (0%,0%) to (0%,100%) stops (0%, #142129) (100%, #006699); )

## Summary of Re-theming Changes

#### **Toolbar changes:**

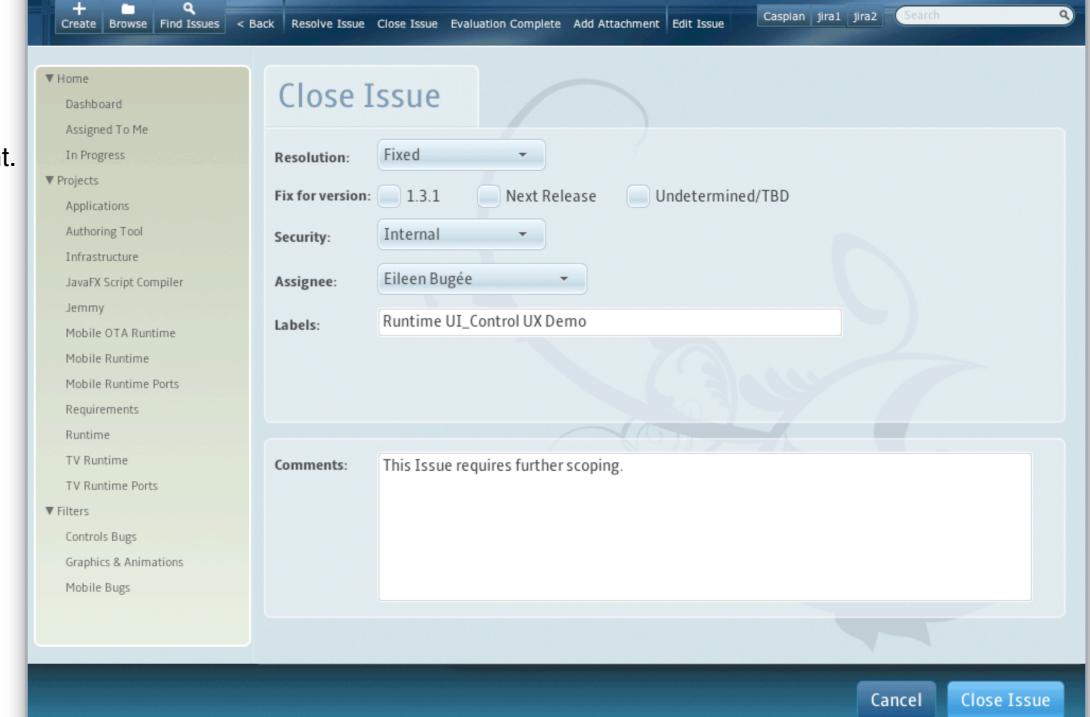
- -- replaced the main window's grey background color with light blue (-fx-background-color: #bdd6e2; )
- -- changed the Min/Max/Close buttons' background color to transparent, and their icons to white (frame-button) (frame-button Rectangle)
- -- replaced the inherited grey colors of the "Create/Browse/Find" Toolbar buttons with blue gradients and a blue border (SEGMENT BUTTONS Create/Browse/Find)
- -- removed the background color completely from the "Back/Resolve/Close/etc" Toolbar buttons (-fx-background-color: transparent;)
- -- styled one vertical border of these buttons with a gradient to act as a separator between button groups (#action-left-segement) (#action-right-segement) (I am misspelling "segment" as "segement" in the CSS to follow the original engineer's misspelling, so as to not break the build)
- -- replaced the grey gradient backgrounds on #toolbar\_top and #toolbar with background-images. These 2 images "butt" up against each other, and combine to give the look of a single background,
- -- specified new colors for the SearchBox

#### **TreeView changes:**

- -- created a styleClass for a new background shape (.mystyle). The styleClass "mystyle" was also added to the MainWindow.fx file.
- -- styled this background with rounded corners, a white border and a green background gradient. (.mystyle)
- -- changed the TreeView's even/odd striped background to transparent, so that the green background gradient shows through. (.tree-cell) (.tree-cell:odd)
- -- unpinned the TreeView from the screen edge and "floated" it within the left pane area. (in the MainWindow.fx file)

#### **Body changes:**

- -- increased the font size of the Controls' text (#issue-action-region { -fx-font-size: 16pt;)
- -- added a background image (-fx-background-image: "watermark80pct.png";)
- -- increased the size and changed the color of the screen's Title text
- ( #issue-action-region-title { -fx-font-size: 50; ) ( -fx-text-fill: #003366; ) -- decreased the size and changed the weight and color of the Label text
- (.issue-action-region-label { -fx-font-size: 14pt; -fx-font-weight: bold; -fx-text-fill: #333333; )
- -- increased the dimensions and font size, and changed the colors of the status bar buttons (#issue-action-region-button) (#issue-action-region-button)
- -- specified new colors, radii, padding and font size, and removed the shadow-highlight shape for the ChoiceBox and CheckBox (#issue-action-region-choice-box) (#issue-check-box.box)
- -- added rounded, translucent white shapes as backgrounds behind the controls
- (#issue-action-region-title) (#issue-action-region-roundedbox) (#issue-action-region-mostly-roundedbox)
- -- specified different button padding and gradient colors for the StatusBar background (-fx-background-color: linear (0%,0%) to (0%,100%) stops (0%, #142129) (100%, #006699); )



## Outline

- . The Caspian Theme
- . Styling Overview
- . Desktop Re-theming
- . TV: Current and Future
- . Q&A

```
fx-mid-border-color, -fx-control-inner-back -fx-background-radius: 6, 5 4;
  -fx-accent: #14369; fill: -fx-text-inner-color; -fx-base: #3f3f3f0 mpt-text-fill: derive (-fx-control-in
  -fx-background: #040404;3 () %)
  -fx-control-inner-background: white; -fx-accent;
 -fx-focus-color: #31BAED;
-fx-dark-text-color: black;
-fx-mid-text-color: #292929;
-fx-mid-text-color: #292929;
  -fx-light-Yext-Color White n-focus: true;
  -fx-color: -fx-base;
  -fx-hover-base: ladder -fx-base stops (20%,derive(-fx-base,20%)) (35%,derive(-fx-base,20%))
(50%, derive(-fx-base, 40%));
  -fx-pressed-base: derive(-fx-base,-40%);
  -fx-box-border: #000000;
  -fx-text-box-border: ladder -fx-background stops (0.1,black) (0.3,derive(-fx-background))
  -fx-shadow-highlight-color:#3B3B3B;
  -fx-outer-border: #000000;
  -fx-inner-border: linear (0%, 0%) to (0%, 100%) stops (0%, #7A7A7A) (100%, #52
  -fx-body-color: linear (0%,0%) to (0%,100%) stops (0,derive(-fx-color,34%)) (1,d
```

color,-18%));

# JavaFX for TV Design Process for UX Controls

- Desktop "look" as a basis
- Visual Designer Concepts > Engineer > CSS File
- Close collaborations
  - With Interaction Designer
  - With TV Engineer



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## Design Considerations

For Designing UI Controls in the TV Environment

- "Content is King"
- Respect the living room context
- Design for the TV screen
- Safe area
- The text must be readable
- Make the UI intuitive



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- Color palette
- The UI controls were enlarged



- Color palette
- The UI controls were enlarged



- Color palette
- The UI controls were enlarged

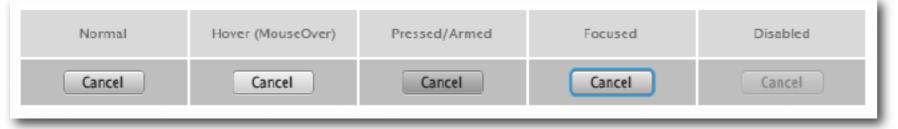
### JavaFX Desktop button control:





- Color palette
- The UI controls were enlarged

### JavaFX Desktop button control:



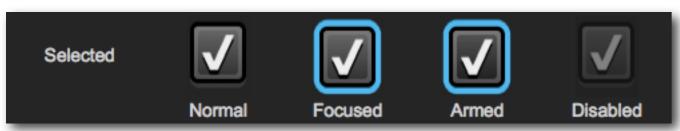
### JavaFX TV button control:





### JavaFX TV UI Controls ~ Summer 2010 Release

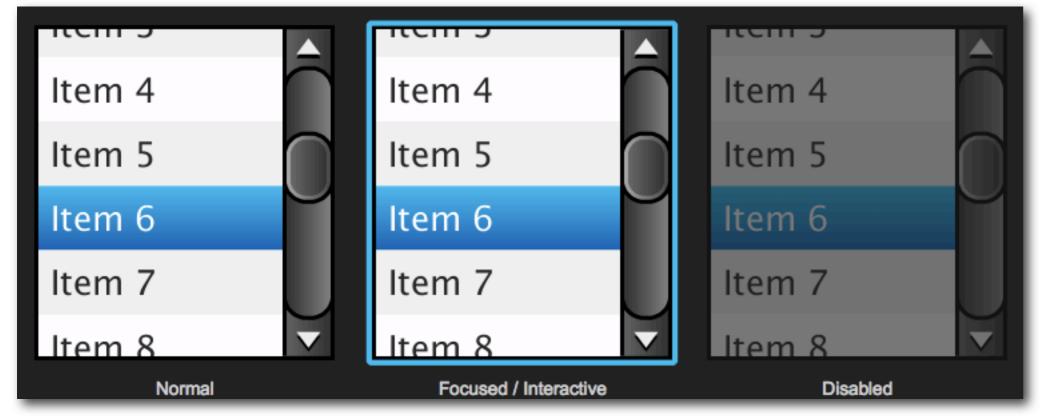
#### JavaFX TV Check Box Control:



### JavaFX TV Progress Bar Control:



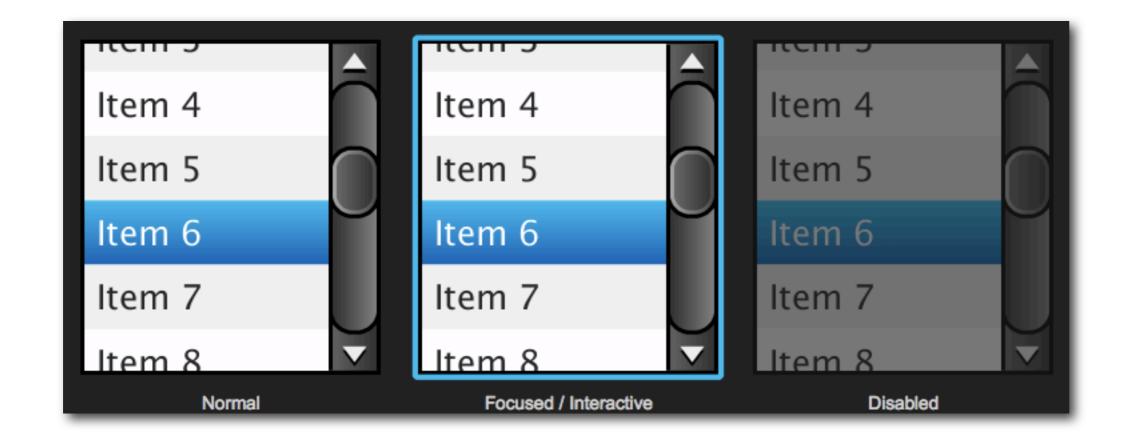
#### JavaFX TV List View Control:





### ListView UI Control

Currently Implemented in the JavaFX 1.3.1 Release



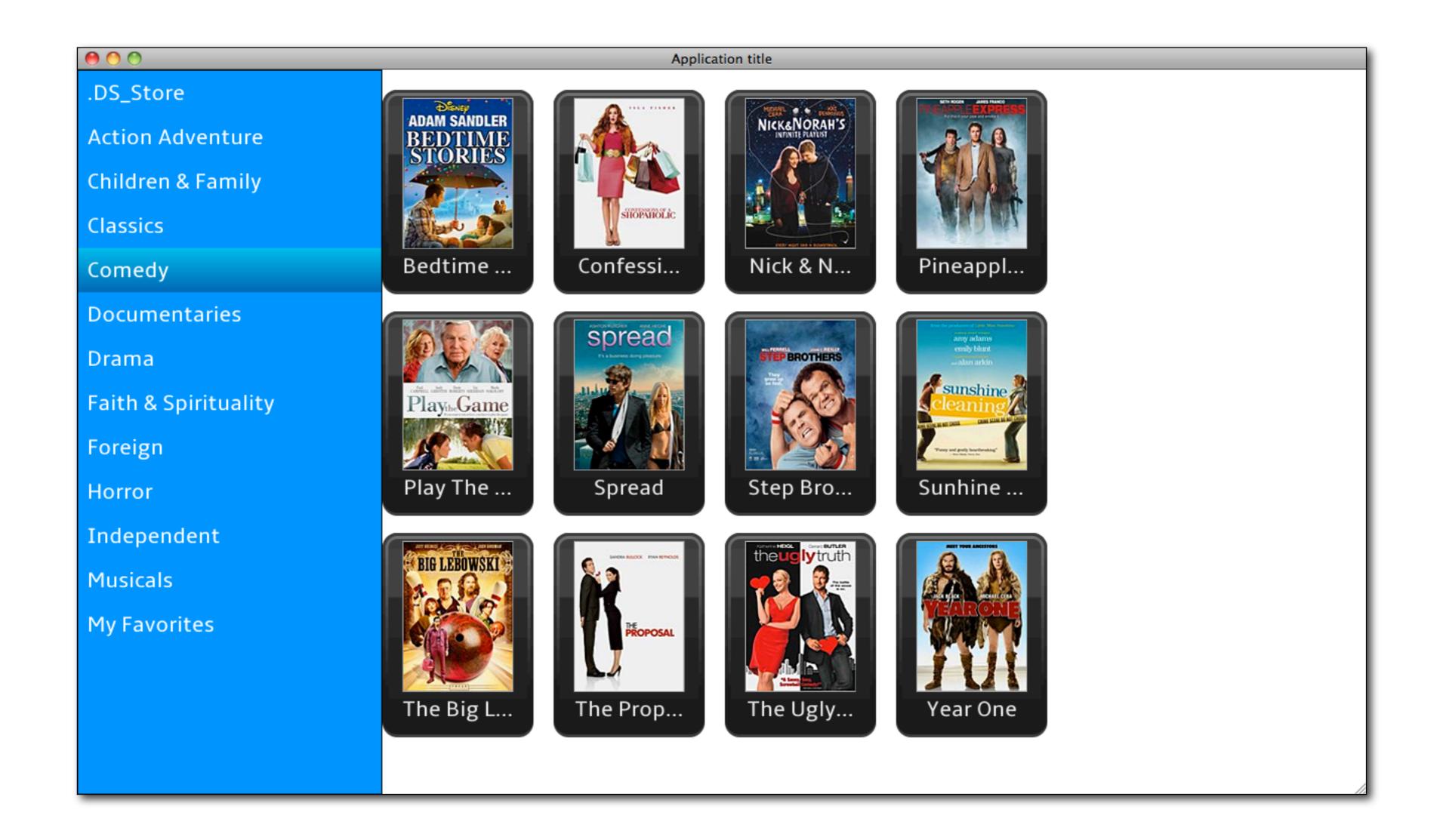


But, it that really appropriate for the TV format?

### Demo

Using CSS to customize implemented UI Controls to create a more *TV*–*Centric* presentation.







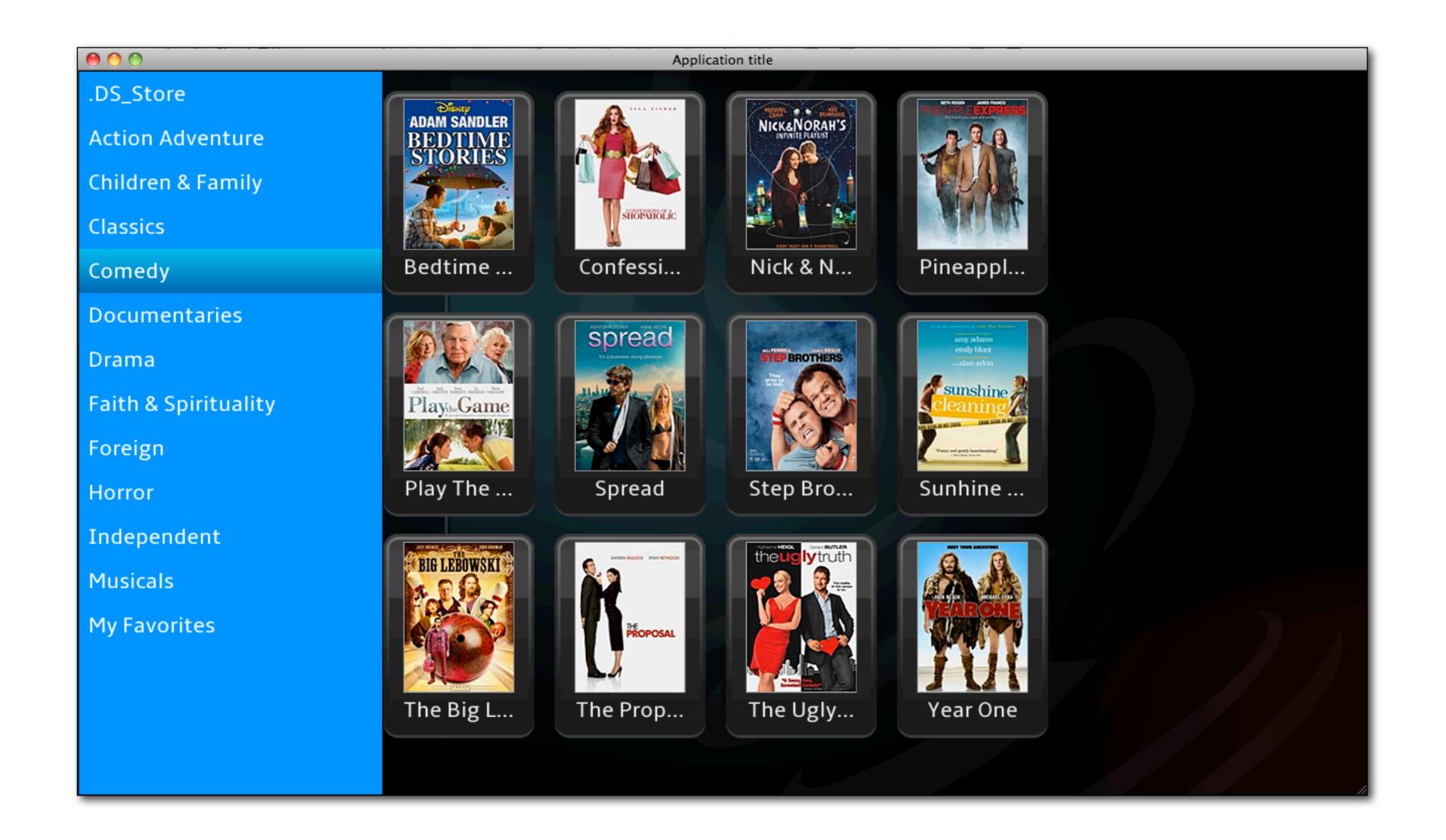
I'm running a simple TV application in the NetBeans IDE. It consists of a vertical list view control on the left side of the screen and a movie grid control in the screen. As I scroll up and down through the vertical list view control, the content of the movie grid changes accordingly.

The mechanics of this application work very well, but the presentation is not very "TV Centric." I'm going to insert and modify the css code to change the look and feel of the application. The first element I would like to change is to take out the white background behind the movie grid and have a more "TV Centric" background appear in this application.

```
@charset "UTF-8";
     /* CSS Document */
     Application Specific Styles
     These styles are specific to the application. They use the scene properties defined by default.css.
     */
 10
11
12
     .app-background {
       -fx-fill: darkblue;
13
14
15
16
     .app-content *.button:armed {
17
18
          -fx-color: red;
19
          -fx-text-fill: white;
20
21
22
23
     .app-content *.button {
         //desktop// padding: 2 10 3 10;
         -fx-padding: 6 30 9 30;
25
26
         -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
         //desktop// -fx-background-radius: 5, 5, 4, 3;
27
28
         -fx-background-radius: 15, 15, 12, 9;
29
         //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
30
         -fx-background-insets: 0 0 -3 0, 0, 3, 6;
31
         -fx-text-fill: -fx-text-base-color;
         -fx-vpos: CENTER;
32
33
         -fx-graphic-vpos: CENTER;
34
35
     .app-content *.button:focused {
36
          -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
 0
                            -fx-background-radius: 6.4, 5, 4, 3;
 38
         -fx-background-radius: 19.2, 15, 12, 9;
         //desktop// -fx-background-insets: -1.4, 0, 1, 2;
39
 40
         -fx-background-insets: -4.2, 0, 3, 6;
41
42
     .app-content *.list-view {
 43
          -fx-padding: 1;
         -fx-background-color: -fx-box-border, -fx-control-inner-background;
44
45
         -fx-background-insets: 0,1;
 46
          -fx-pannable: true
47
      .app-content *.list-view:focused {
                        -fx-padding: 1;
         //desktop//
51
         -fx-padding: 3;
52
         -fx-background-color: -fx-focus-color,-fx-box-border,-fx-control-inner-background;
53
         //desktop// -fx-background-insets: -1.4, 0, 1;
         -fx-background-insets: -4.2, 0, 3;
54
         //desktop// -fx-background-radius: -1.4, 0, 0;
55
56
57
58
          -fx-background-radius: -4.2, 0, 0;
```

```
@charset "UTF-8";
     /* CSS Document */
     /*
     Application Specific Styles
     These styles are specific to the application. They use the scene properties defined by default.css.
10
11
     .app-background {
       -fx-background-image: url("background.png");
13
       -fx-background-repeat: no-repeat;
       -fx-background-position: left top;
14
       -fx-padding-top: 0px;
15
       -fx-margin-bottom: 0px;
17
     .app-content *.button:armed {
19
20
         -fx-color: red;
         -fx-text-fill: white;
21
22
     .app-content *.button {
23
9
25
         //desktop// padding: 2 10 3 10;
         -fx-padding: 6 30 9 30;
         -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
27
         //desktop// -fx-background-radius: 5, 5, 4, 3;
28
         -fx-background-radius: 15, 15, 12, 9;
         //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
21
         -fx-background-insets: 0 0 -3 0, 0, 3, 6;
3.
         -fx-text-fill: -fx-text-base-color;
         -fx-vpos: CENTER;
32
33
         -fx-graphic-vpos: CENTER;
34
35
     .app-content *.button:focused {
         -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
         //desktop//
                            -fx-background-radius: 6.4, 5, 4, 3;
         -fx-background-radius: 19.2, 15, 12, 9;
         //desktop// -fx-background-insets: -1.4, 0, 1, 2;
39
40
         -fx-background-insets: -4.2, 0, 3, 6;
41
     .app-content *.list-view {
43
         -fx-padding: 1;
         -fx-background-color: -fx-box-border, -fx-control-inner-background;
45
         -fx-background-insets: 0,1;
46
         -fx-pannable: true
     .app-content *.list-view:focused {
         //desktop// -fx-padding: 1;
50
         -fx-padding: 3;
         -fx-background-color: -fx-focus-color,-fx-box-border,-fx-control-inner-background;
52
         //desktop// -fx-background-insets: -1.4, 0, 1;
53
         -fx-background-insets: -4.2, 0, 3;
54
         //desktop// -fx-background-radius: -1.4, 0, 0;
         -fx-background-radius: -4.2, 0, 0;
57
58
```







```
10
11
12
     .app-background {
13
       -fx-background-image: url("background.png");
14
       -fx-background-repeat: no-repeat;
       -fx-background-position: left top;
15
       -fx-padding-top: 0px;
16
       -fx-margin-bottom: 0px;
17
18
19
20
21
22
     .app-content *.button:armed {
23
24
         -fx-color: red;
25
         -fx-text-fill: white;
26
27
28
29
     .app-content *.button {
                       padding: 2 10 3 10;
         //desktop//
31
         -fx-padding: 6 30 9 30;
32
         -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
33
         //desktop// -fx-background-radius: 5, 5, 4, 3;
34
         -fx-background-radius: 15, 15, 12, 9;
35
         //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
36
         -fx-background-insets: 0 0 -3 0, 0, 3, 6;
         -fx-text-fill: -fx-text-base-color;
37
38
         -fx-vpos: CENTER;
39
         -fx-graphic-vpos: CENTER;
40
     .app-content *.button:focused {
         -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
42
44
         //desktop//
                            -fx-background-radius: 6.4, 5, 4, 3;
         -fx-background-radius: 19.2, 15, 12, 9;
         //desktop// -fx-background-insets: -1.4, 0, 1, 2;
45
46
         -fx-background-insets: -4.2, 0, 3, 6;
47
48
      .app-content *.list-view {
         -fx-padding: 1;
         -fx-background-color: -fx-box-border, -fx-control-inner-background;
51
         -fx-background-insets: 0,1;
         -fx-pannable: true
52
53
54
55
     .app-content *.list-view:focused {
9 57
         //desktop// -fx-padding: 1;
         -fx-padding: 3;
58
         -fx-background-color: -fx-focus-color,-fx-box-border,-fx-control-inner-background;
         //desktop// -fx-background-insets: -1.4, 0, 1;
         -fx-background-insets: -4.2, 0, 3;
         //desktop// -fx-background-radius: -1.4, 0, 0;
62
         -fx-background-radius: -4.2, 0, 0;
64
```

```
10
11
     .app-background {
       -fx-background-image: url("background.png");
       -fx-background-repeat: no-repeat;
15
       -fx-background-position: left top;
       -fx-padding-top: 0px;
16
17
       -fx-margin-bottom: 0px;
18
19
20
21
     .app-content *.button:armed {
24
         -fx-color: red;
25
         -fx-text-fill: white;
26
27
28
     .app-content *.button {
        //desktop// padding: 2 10 3 10;
        -fx-padding: 6 30 9 30;
31
         -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
        //desktop// -fx-background-radius: 5, 5, 4, 3;
        -fx-background-radius: 15, 15, 12, 9;
        //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
        -fx-background-insets: 0 0 -3 0, 0, 3, 6;
        -fx-text-fill: -fx-text-base-color;
        -fx-vpos: CENTER;
39
         -fx-graphic-vpos: CENTER;
40
     .app-content *.button:focused {
         -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
         //desktop//
                           -fx-background-radius: 6.4, 5, 4, 3;
        -fx-background-radius: 19.2, 15, 12, 9;
45
        //desktop// -fx-background-insets: -1.4, 0, 1, 2;
        -fx-background-insets: -4.2, 0, 3, 6;
46
47
     .app-content *.list-view {
48
         -fx-padding: 50 3 50 3;
         -fx-background-color: transparent;
51
        -fx-background-insets: 0,1;
        -fx-pannable: true
52
53
54
55
      app-content *.list-view:focused {
        //desktop// -fx-padding: 1;
59
        -fx-padding: 50 3 50 3;
        -fx-background-color: transparent;
        //desktop// -fx-background-insets: -1.4, 0, 1;
         -fx-background-insets: -4.2, 0, 3;
         //desktop// -fx-background-radius: -1.4, 0, 0;
        -fx-background-radius: -4.2, 0, 0;
64
65
```



In the .app-content \*.list-view selector, I'm going to swap out the -fx-background; which referenced the hexadecimal value of #1e90ff in the caspian.css document.





```
padding: 2 10 3 10;
         //desktop//
         -fx-padding: 6 30 9 30;
32
         -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
        //desktop// -fx-background-radius: 5, 5, 4, 3;
         -fx-background-radius: 15, 15, 12, 9;
34
        //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
35
        -fx-background-insets: 0 0 -3 0, 0, 3, 6;
37
        -fx-text-fill: -fx-text-base-color;
        -fx-vpos: CENTER;
38
39
         -fx-graphic-vpos: CENTER;
40
    .app-content *.button:focused {
         -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
42
        //desktop//
                           -fx-background-radius: 6.4, 5, 4, 3;
        -fx-background-radius: 19.2, 15, 12, 9;
        //desktop// -fx-background-insets: -1.4, 0, 1, 2;
        -fx-background-insets: -4.2, 0, 3, 6;
47
     .app-content *.list-view {
49
         -fx-padding: 50 3 50 3;
50
         -fx-background-color: transparent;
        -fx-background-insets: 0,1;
51
         -fx-pannable: true
52
53
54
55
56
57
     .app-content *.list-view:focused {
        //desktop// -fx-padding: 1;
59
        -fx-padding: 50 3 50 3;
         -fx-background-color: transparent;
        //desktop// -fx-background-insets: -1.4, 0, 1;
61
62
         -fx-background-insets: -4.2, 0, 3;
        //desktop// -fx-background-radius: -1.4, 0, 0;
        -fx-background-radius: -4.2, 0, 0;
64
65
66
67
     .app-content *.list-cell:filled:selected {
        -fx-background: transparent;
        -fx-background-color: linear (0%, 0%) to (0%, 100%) stops (0%, #bed5fa) (10%, #6a93e6) (50%, #5b7cb4) (51%, #274b88) (90%, #27589e) (95%, #4f92d7);
        -fx-text-fill: -fx-selection-bar-text;
        -fx-padding: 6 6 6 90;
71
         -fx-scale-x: 140%;
72
73
        -fx-scale-y: 140%;
        -fx-background-insets: 0 118 0 0;
74
        -fx-effect: dropshadow( gaussian, black, 10, 0.4, 0, 7);
75
76
77
```







This is the result of the build. The focus selector is now 40% larger as is the selected text. There is now a slick glossy texture to the focus selector that is more "TV Centric." The selected font is now shifted to the right for a more dynamic look and feel.

The focus selector also has a drop shadow to add more depth and ground it to the movie genre text panel. The vertical negative space between the unselected movie genre text needs to be increased so that it doesn't look so crowded. It will also visually balance the vertical height of the selected text in the focus selector. The focus selector also needs to be enlarged to span the entire width of the movie genre text panel. The next code insertion I make in the NetBeans IDE will address those issues.

```
padding: 2 10 3 10;
         //desktop//
        -fx-padding: 6 30 9 30;
31
        -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
32
33
        //desktop// -fx-background-radius: 5, 5, 4, 3;
        -fx-background-radius: 15, 15, 12, 9;
34
        //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
        -fx-background-insets: 0 0 -3 0, 0, 3, 6;
        -fx-text-fill: -fx-text-base-color;
37
        -fx-vpos: CENTER;
39
         -fx-graphic-vpos: CENTER;
40
    .app-content *.button:focused {
        -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
42
                           -fx-background-radius: 6.4, 5, 4, 3;
        //desktop//
        -fx-background-radius: 19.2, 15, 12, 9;
        //desktop// -fx-background-insets: -1.4, 0, 1, 2;
        -fx-background-insets: -4.2, 0, 3, 6;
    .app-content *.list-view {
48
         -fx-padding: 50 3 50 3;
49
50
        -fx-background-color: transparent;
        -fx-background-insets: 0,1;
51
         -fx-pannable: true
52
53
54
55
     .app-content *.list-view:focused {
        //desktop// -fx-padding: 1;
        -fx-padding: 50 3 50 3;
        -fx-background-color: transparent;
        //desktop// -fx-background-insets: -1.4, 0, 1;
61
        -fx-background-insets: -4.2, 0, 3;
        //desktop// -fx-background-radius: -1.4, 0, 0;
        -fx-background-radius: -4.2, 0, 0;
64
65
67
     .app-content *.list-cell:filled:selected {
        -fx-background: transparent;
70
        -fx-background-color: linear (0%, 0%) to (0%, 100%) stops (0%, #bed5fa) (10%, #6a93e6) (50%, #5b7cb4) (51%, #274b88) (90%, #27589e) (95%, #4f92d7);
        -fx-text-fill: -fx-selection-bar-text;
        -fx-padding: 6 6 6 90;
        -fx-scale-x: 140%;
        -fx-scale-y: 140%;
73
        -fx-background-insets: 0 118 0 0;
        -fx-effect: dropshadow( gaussian, black, 10, 0.4, 0, 7);
75
76
77
     .app-content *.list-cell {
        -fx-cell-size: 24;
        //desktop// -fx-padding: 3;
        -fx-padding: 24;
        -fx-background-color: transparent;
83
```



ove the movie arid control to the right and





\_\_\_\_\_

```
-fx-padding: 50 3 50 3;
60
61
        -fx-background-color: transparent;
        //desktop// -fx-background-insets: -1.4, 0, 1;
        -fx-background-insets: -4.2, 0, 3;
62
        //desktop// -fx-background-radius: -1.4, 0, 0;
63
         -fx-background-radius: -4.2, 0, 0;
65
66
67
     .app-content *.list-cell:filled:selected {
68
         -fx-background: transparent;
         -fx-background-color: linear (0%, 0%) to (0%, 100%) stops (0%, #bed5fa) (10%, #6a93e6) (50%, #5b7cb4) (51%, #274b88) (90%, #27589e) (95%, #4f92d7);
         -fx-text-fill: -fx-selection-bar-text;
         -fx-padding: 6 6 6 90;
        -fx-scale-x: 140%;
73
         -fx-scale-y: 140%;
        -fx-background-insets: 0 118 0 0;
         -fx-effect: dropshadow( gaussian, black, 10, 0.4, 0, 7);
75
76
77
78
     .app-content *.list-cell {
79
         -fx-cell-size: 24;
81
        //desktop// -fx-padding: 3;
        -fx-padding: 24;
        -fx-background-color: transparent;
82
83
84
     .app-content *.scroll-bar:vertical {
         -fx-background-color:transparent;
85
        //desktop// -fx-background-insets: 0, 1;
        -fx-background-insets: 0, 3;
88
89
90
91
      .app-content *.scroll-bar:vertical *.thumb {
92
         -fx-background-color:transparent;
        //desktop// -fx-background-radius: 6, 5, 4;
94
        -fx-background-radius: 18, 15, 12;
        //desktop// -fx-background-insets: 0, 1, 2;
        -fx-background-insets: 0, 3, 6;
97
98
99
     .app-content *.scroll-bar:vertical *.track {
100
101
          -fx-background-color:transparent;
        //desktop// -fx-background-radius: 6, 5;
103
        -fx-background-radius: 18, 15;
        //desktop// -fx-background-insets: 0, 1;
104
        -fx-background-insets: 0, 3;
105
```







```
-fx-padding: 24;
82
          -fx-background-color: transparent;
83
84
      .app-content *.scroll-bar:vertical {
85
          -fx-background-color:transparent;
87
         //desktop// -fx-background-insets: 0, 1;
          -fx-background-insets: 0, 3;
88
89
90
      .app-content *.scroll-bar:vertical *.thumb {
92
          -fx-background-color:transparent;
         //desktop// -fx-background-radius: 6, 5, 4;
          -fx-background-radius: 18, 15, 12;
         //desktop// -fx-background-insets: 0, 1, 2;
95
96
97
          -fx-background-insets: 0, 3, 6;
98
99
100
      .app-content *.scroll-bar:vertical *.track {
101
           -fx-background-color:transparent;
103
          //desktop// -fx-background-radius: 6, 5;
         -fx-background-radius: 18, 15;
104
         //desktop// -fx-background-insets: 0, 1;
105
         -fx-background-insets: 0, 3;
106
      .app-content *.scroll-bar:vertical *.increment-arrow {
107
109
         //desktop// -fx-padding: 4 6 0 0;
      // -fx-padding: 15 20 0 0;
         -fx-background-color: -fx-mark-highlight-color, -fx-mark-color; //desktop// -fx-background-insets: 0 0 0 0, 1;
110
111
112
      // -fx-background-insets: 10 0 -3 0, 0;
113
114
      // -fx-shape: "M346.5,335.5114,141-28-0.5L346.5,335.5z"
         -fx-translate-y: 40;
115
         -fx-translate-x: -270;
116
         -fx-scale-x: 200%;
117
118
      .app-content *.scroll-bar:vertical *.decrement-arrow {
120
         //desktop// -fx-padding: 4 6 0 0;
        // -fx-padding: 15 20 0 0;
121
         -fx-background-color: -fx-mark-highlight-color, -fx-mark-color;
122
123
         //desktop// -fx-background-insets: 0 0 0 0, 1;
        // -fx-background-insets: 10 0 -3 0, 0;
124
        // -fx-shape: "M346.5,335.5114,141-28-0.5L346.5,335.5z"
125
126
127
128
         -fx-translate-y: -40;
         -fx-translate-x: -270;
          -fx-scale-x: 200%;
129
```



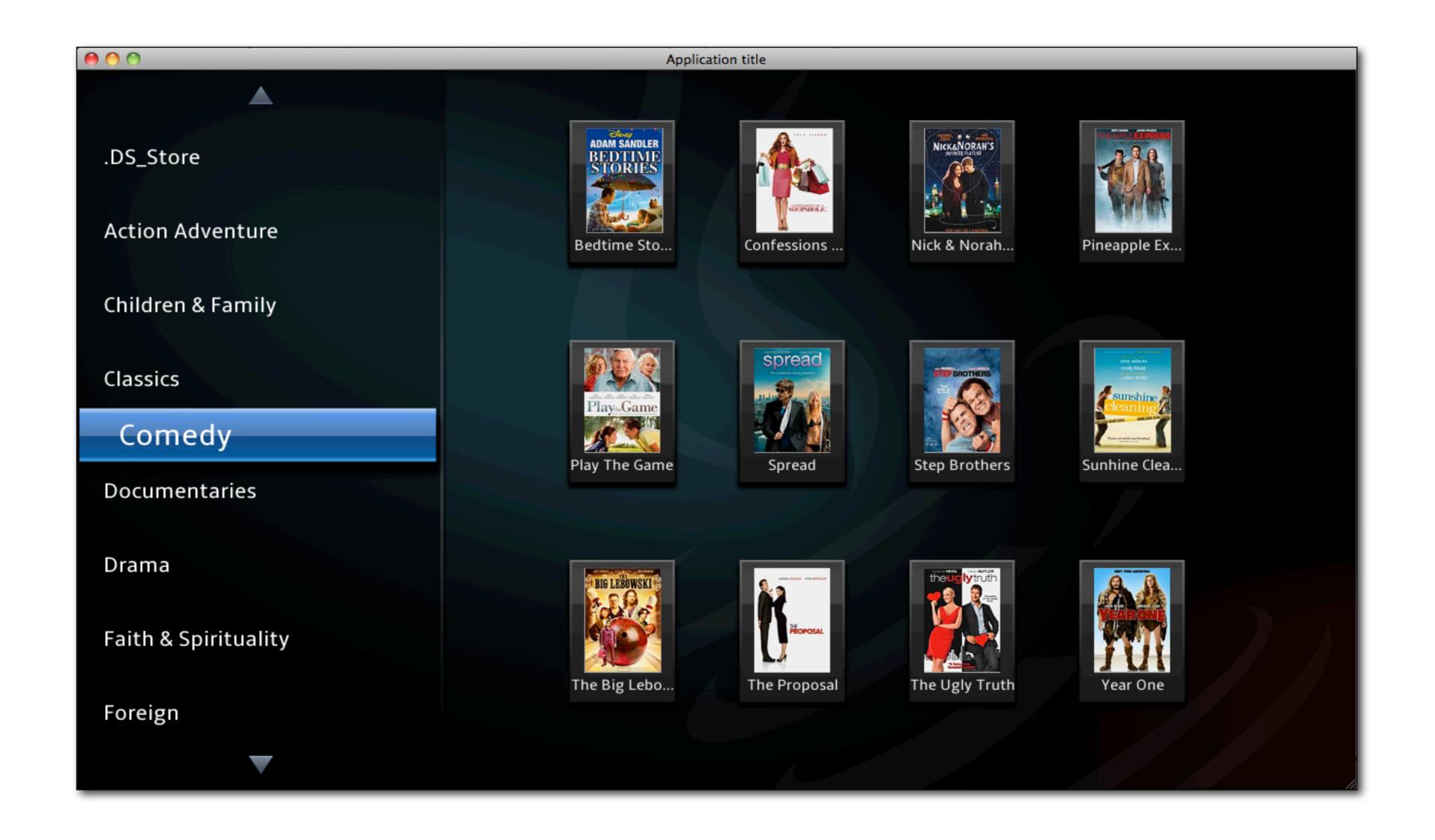




```
*/
10
11
     .app-background {
12
       -fx-background-image: url("background.png");
13
       -fx-background-repeat: no-repeat;
14
       -fx-background-position: left top;
15
       -fx-padding-top: 0px;
16
       -fx-margin-bottom: 0px;
17
18
19
20
21
     .app-content *.button:armed {
22
23
24
         -fx-color: red;
25
         -fx-text-fill: white;
26
27
28
     .app-content *.button {
29
         //desktop// padding: 2 10 3 10;
         -fx-padding: 6 30 9 30;
31
         -fx-background-color: -fx-shadow-highlight-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
32
         //desktop// -fx-background-radius: 5, 5, 4, 3;
33
         -fx-background-radius: 15, 15, 12, 9;
34
        //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
35
         -fx-background-insets: 0 0 -3 0, 0, 3, 6;
36
         -fx-text-fill: -fx-text-base-color;
37
         -fx-vpos: CENTER;
38
         -fx-graphic-vpos: CENTER;
39
40
41
     .app-content *.button:focused {
         -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
42
                            -fx-background-radius: 6.4, 5, 4, 3;
         //desktop//
         -fx-background-radius: 19.2, 15, 12, 9;
         //desktop// -fx-background-insets: -1.4, 0, 1, 2;
45
         -fx-background-insets: -4.2, 0, 3, 6;
46
47
     .app-content *.list-view {
48
         -fx-padding: 50 3 50 3;
49
         -fx-background-color: transparent;
50
51
         -fx-background-insets: 0,1;
         -fx-pannable: true
52
53
54
55
```

```
*/
10
11
     .app-background {
       -fx-background-image: url("background.png");
       -fx-background-repeat: no-repeat;
14
       -fx-background-position: left top;
15
16
       -fx-padding-top: 0px;
17
       -fx-margin-bottom: 0px;
18
19
20
21
     .app-content *.button:armed {
23
24
         -fx-color: red;
25
         -fx-text-fill: white;
26
27
28
29
     .app-content *.button {
31
         //desktop// padding: 2 10 3 10;
         -fx-padding: 2 0 0 0;
32
33
         -fx-background-color: -fx-outer-border, -fx-inner-border, -fx-body-color;
         //desktop// -fx-background-radius: 5, 5, 4, 3;
         -fx-background-radius: 0, 0, 0, 0;
34
         //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
35
36
         -fx-background-insets: 0 0 -3 0, 0, 3, 6;
37
         -fx-text-fill: -fx-text-base-color;
38
         -fx-vpos: CENTER;
39
         -fx-hpos: RIGHT;
         -fx-graphic-vpos: CENTER;
         -fx-scale-x: 70%;
41
42
         -fx-scale-y: 70%;
43
         -fx-effect: dropshadow( gaussian, black, 10, 0.4, 0, 7);
44
45
     .app-content *.button:focused {
         -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
         //desktop//
                            -fx-background-radius: 6.4, 5, 4, 3;
49
         -fx-background-radius: 19.2, 15, 12, 9;
         //desktop// -fx-background-insets: -1.4, 0, 1, 2;
50
51
         -fx-background-insets: -4.2, 0, 3, 6;
52
     .app-content *.list-view {
53
54
         -fx-padding: 50 3 50 3;
55
         -fx-background-color: transparent;
         -fx-background-insets: 0,1;
```









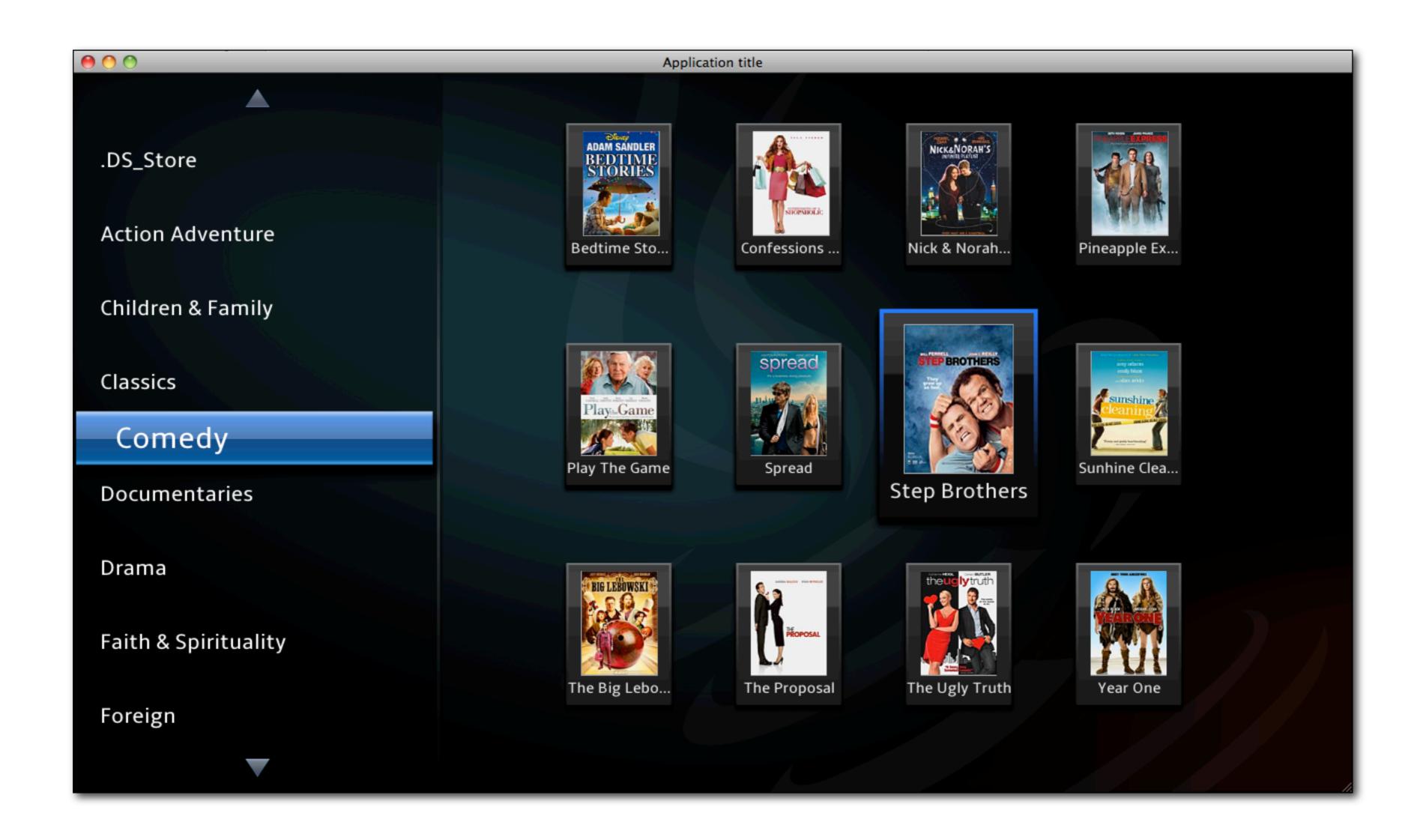
address those issues.



```
.app-content *.button {
         //desktop//
                       padding: 2 10 3 10;
31
         -fx-padding: 2 0 0 0;
32
         -fx-background-color: -fx-outer-border, -fx-inner-border, -fx-body-color;
33
         //desktop// -fx-background-radius: 5, 5, 4, 3;
         -fx-background-radius: 0, 0, 0, 0;
34
35
         //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
         -fx-background-insets: 0 0 -3 0, 0, 3, 6;
36
37
         -fx-text-fill: -fx-text-base-color;
         -fx-vpos: CENTER;
38
39
         -fx-hpos: RIGHT;
40
         -fx-graphic-vpos: CENTER;
         -fx-scale-x: 70%;
41
42
         -fx-scale-y: 70%;
         -fx-effect: dropshadow( gaussian, black, 10, 0.4, 0, 7);
43
44
45
     .app-content *.button:focused {
46
         -fx-background-color: -fx-focus-color, -fx-outer-border, -fx-inner-border, -fx-body-color;
47
49
                           -fx-background-radius: 6.4, 5, 4, 3;
         //desktop//
         -fx-background-radius: 19.2, 15, 12, 9;
         //desktop// -fx-background-insets: -1.4, 0, 1, 2;
50
51
         -fx-background-insets: -4.2, 0, 3, 6;
52
53
     .app-content *.list-view {
         -fx-padding: 50 3 50 3;
54
55
         -fx-background-color: transparent;
         -fx-background-insets: 0,1;
56
57
         -fx-pannable: true
58
59
60
61
     .app-content *.list-view:focused {
62
         //desktop// -fx-padding: 1;
64
         -fx-padding: 50 3 50 3;
         -fx-background-color: transparent;
65
         //desktop// -fx-background-insets: -1.4, 0, 1;
         -fx-background-insets: -4.2, 0, 3;
68
         //desktop// -fx-background-radius: -1.4, 0, 0;
69
         -fx-background-radius: -4.2, 0, 0;
```

```
.app-content *.button {
        //desktop// padding: 2 10 3 10;
-fx-padding: 2 0 0 0;
        -fx-background-color: -fx-outer-border, -fx-inner-border, -fx-body-color;
        //desktop// -fx-background-radius: 5, 5, 4, 3;
        -fx-background-radius: 0, 0, 0, 0;
        //desktop// -fx-background-insets: 0 0 -1 0, 0, 1, 2;
        -fx-background-insets: 0 0 -3 0, 0, 3, 6;
        -fx-text-fill: -fx-text-base-color;
        -fx-vpos: CENTER;
        -fx-hpos: RIGHT;
        -fx-graphic-vpos: CENTER;
        -fx-scale-x: 70%;
        -fx-scale-y: 70%;
        -fx-effect: dropshadow( gaussian, black, 10, 0.4, 0, 7);
     .app-content *.button:focused {
         -fx-background-color: -fx-focus-color, -fx-pressed-base;
                           -fx-background-radius: 6.4, 5, 4, 3;
        //desktop//
        -fx-background-radius: 0, 0, 0, 0;
        //desktop// -fx-background-insets: -1.4, 0, 1, 2;
        -fx-background-insets: -4.2, 0, 3, 6;
        -fx-scale-x: 100%;
        -fx-scale-y: 100%;
     .app-content *.list-view {
         -fx-padding: 50 3 50 3;
         -fx-background-color: transparent;
        -fx-background-insets: 0,1;
         -fx-pannable: true
     .app-content *.list-view:focused {
        //desktop// -fx-padding: 1;
        -fx-padding: 50 3 50 3;
        -fx-background-color: transparent;
        //desktop// -fx-background-insets: -1.4, 0, 1;
        -fx-background-insets: -4.2, 0, 3;
        //desktop// -fx-background-radius: -1.4, 0, 0;
        -fx-background-radius: -4.2, 0, 0;
```







The new build has the selected movie button image enlarged from the unselected state. It also has the squared off corners to match the movie image. The body color of the selected movie image is also a darker hue.

By modifying and inserting the css code into the simple tv app.css document, we have changed the appearance of the ux controls to a more "TV Centric" presentation without ever touching the source code of the application. That is pretty powerful!!!



.text-box -fx-font: 12pt "Amble-Condensed";



-fx-color: -fx-base;X-Select-on-focus: true;

# Using CSS to Style JavaFX UI Controls The Visual Designer's Experience

#### backgro Our e-mail addresses:

Our slides are posted here:

-fx-shadow-highlight-color:#3B3B3B; -fx-oueileen\_bugee@oracle.com http://openworld.vportal.net/

-fx-intimothy.dunn@oracle.com<sup>0%, 100%)</sup> stops (0%, #7A7A7A) (100%, #525252

**Eileen Bugée and Tim Dunn Principal Visual Designers | Oracle Corporation**