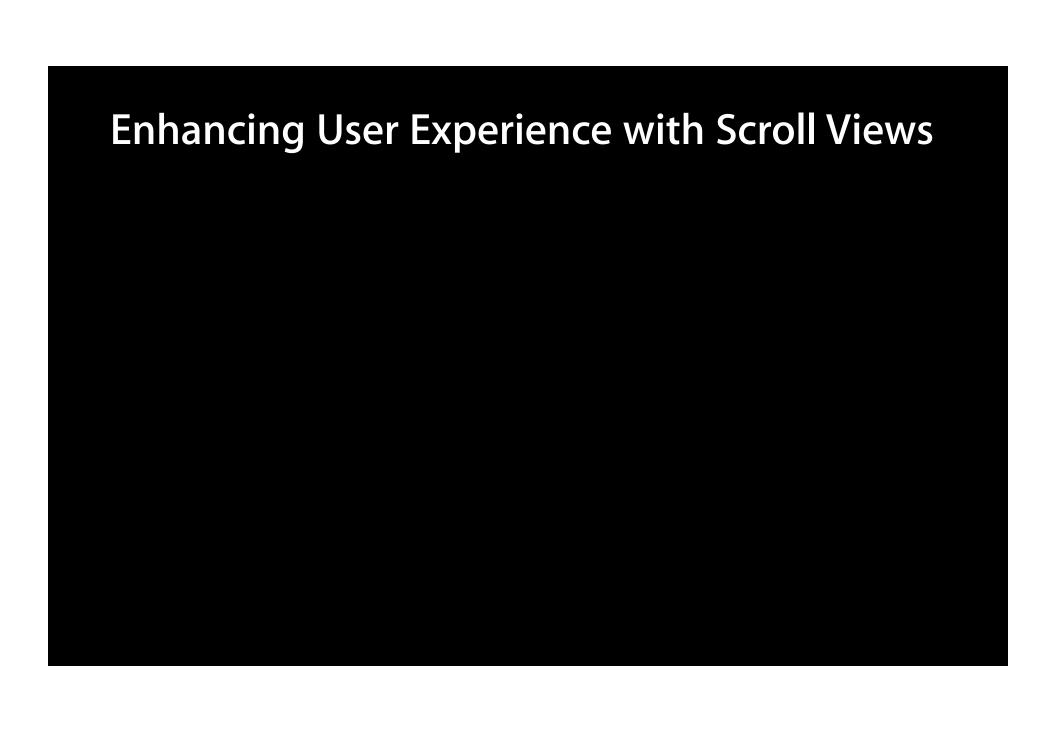
Session 223

Josh Shaffer

iOS Frameworks

These are confidential sessions—please refrain from streaming, blogging, or taking pictures



UIScrollView configuration

- UIScrollView configuration
- Improving paged scrolling

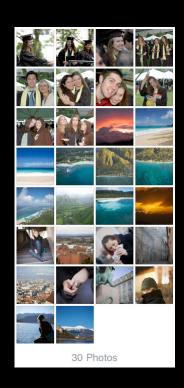
- UIScrollView configuration
- Improving paged scrolling
- Integrating with OpenGL

- UIScrollView configuration
- Improving paged scrolling
- Integrating with OpenGL
- Controlling stop offset

UIScrollView Configuration

Review of the basics

Content Size



Content Size

contentSize.width

contentSize.height











View for Zooming in Scroll View



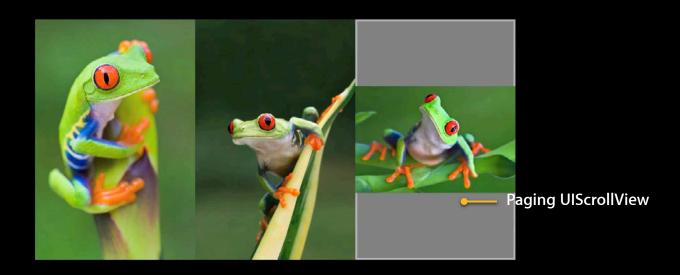
View for Zooming in Scroll View

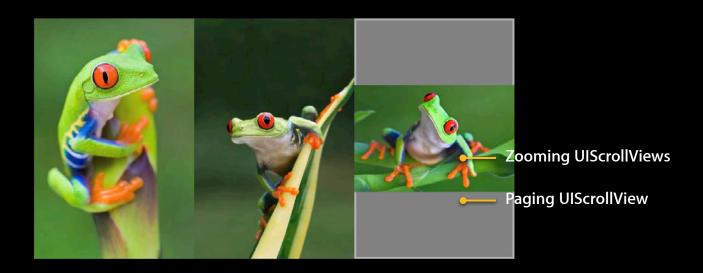


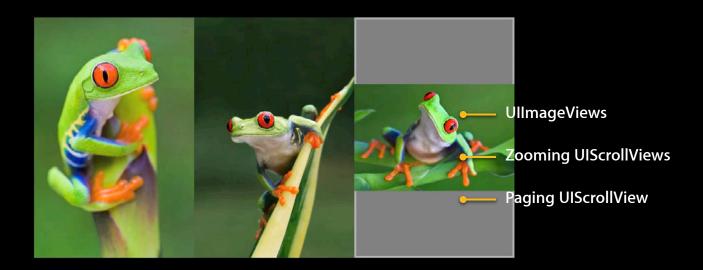












UIPageViewController





UIPageViewController



UllmageViews

Zooming UIScrollViews

UIPageViewControllerOptionInterPageSpacingKey







After view controller







Before view controller





Zooming



Zooming



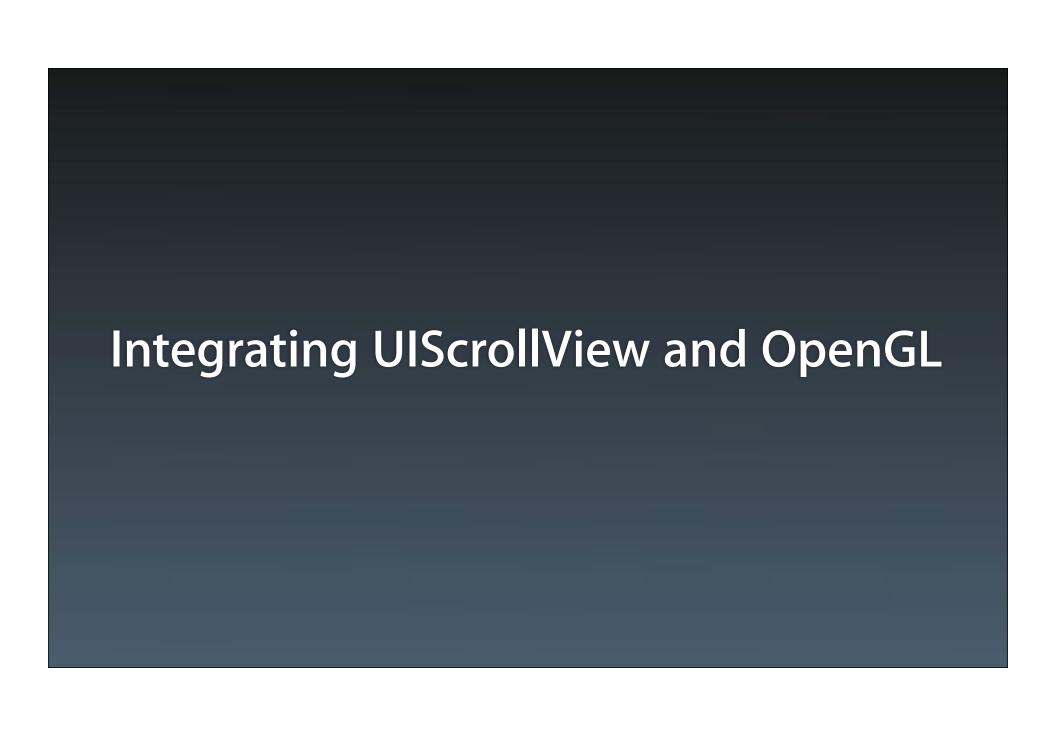
Paged Scrolling

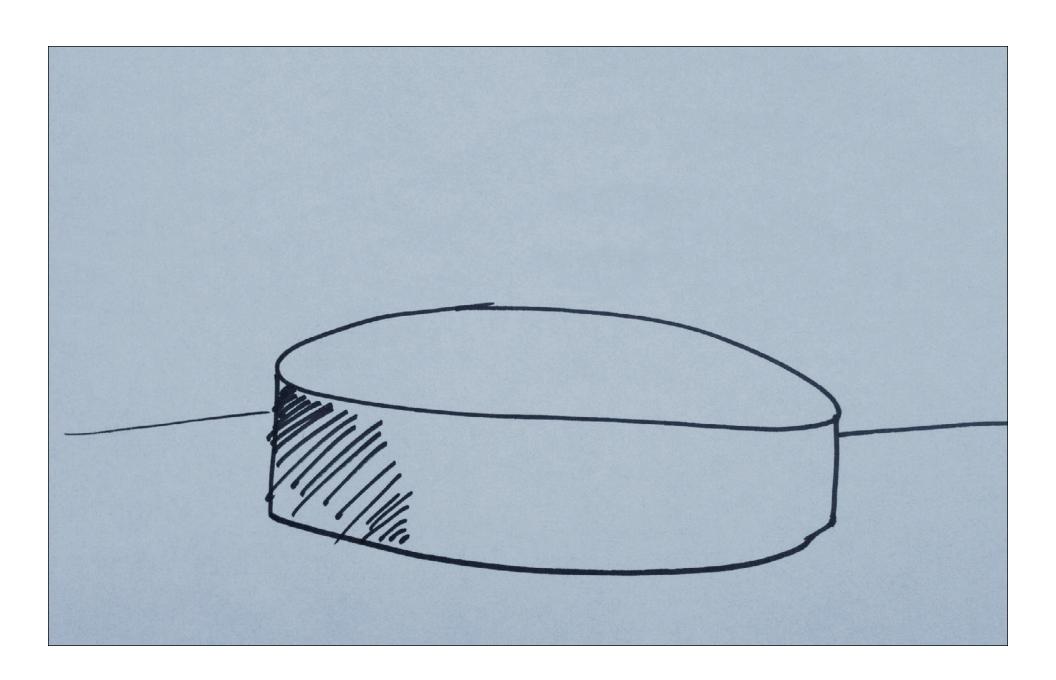


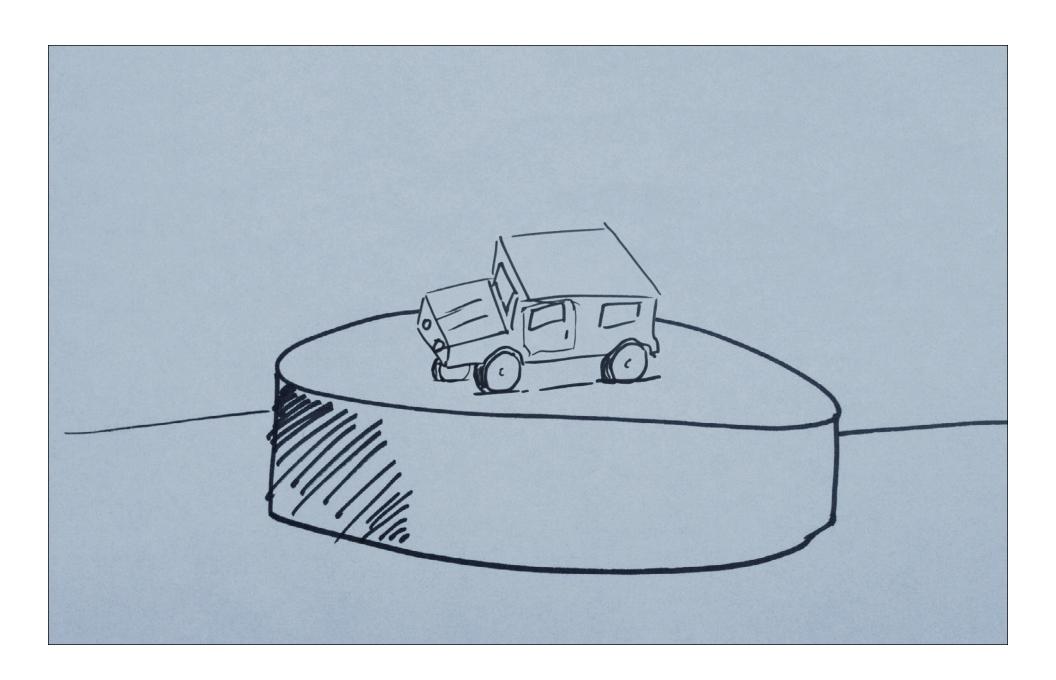
Paged Scrolling

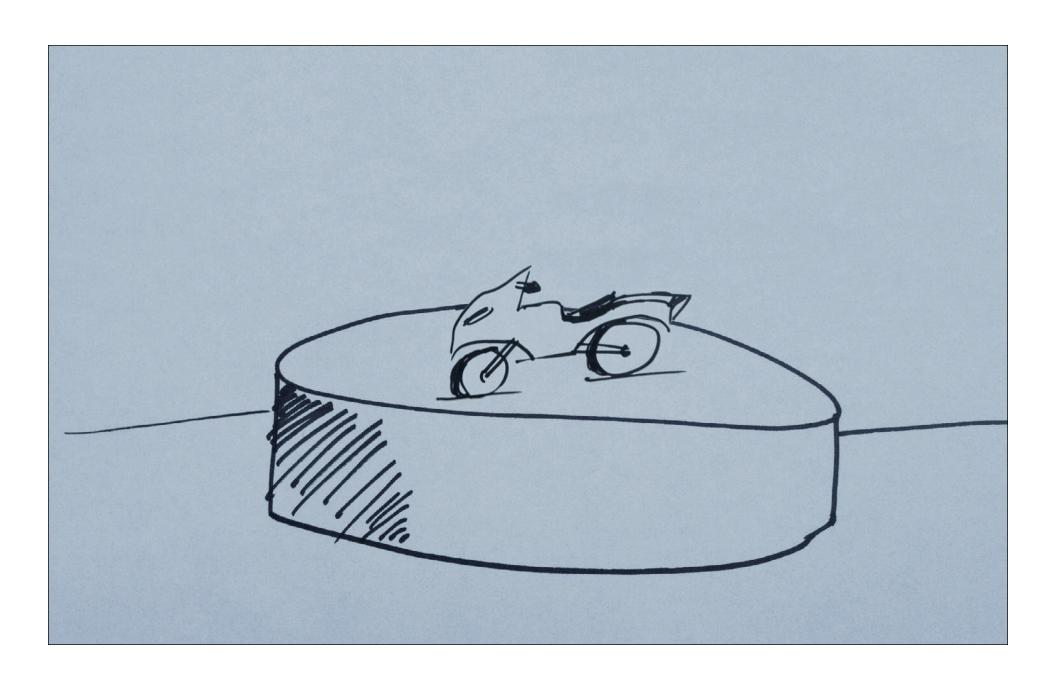


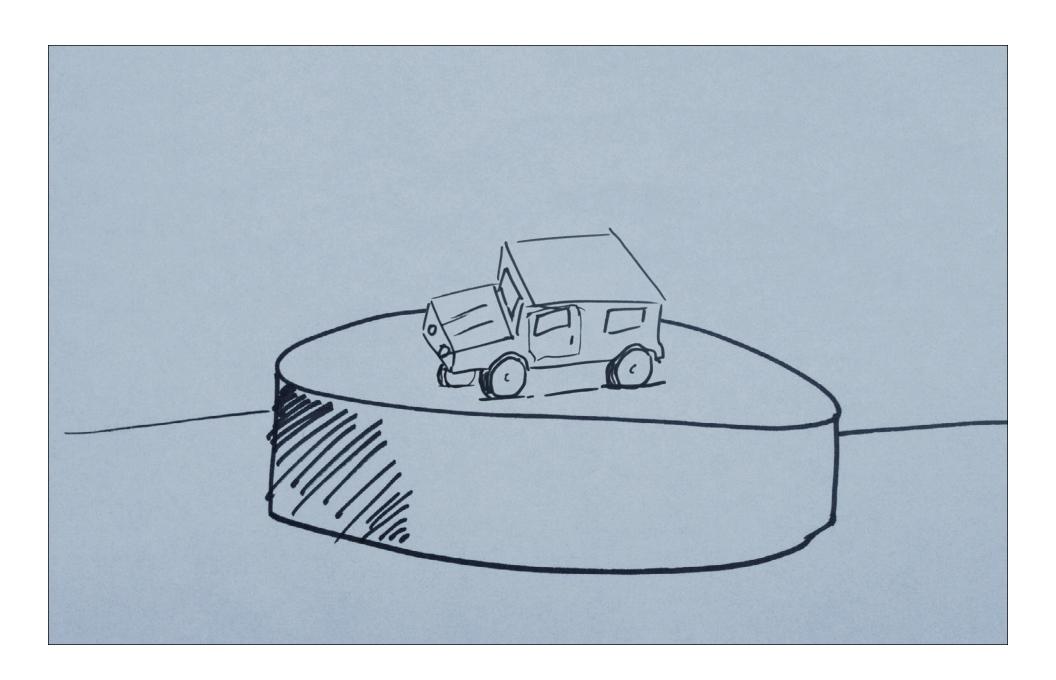
Demo Eliza Block

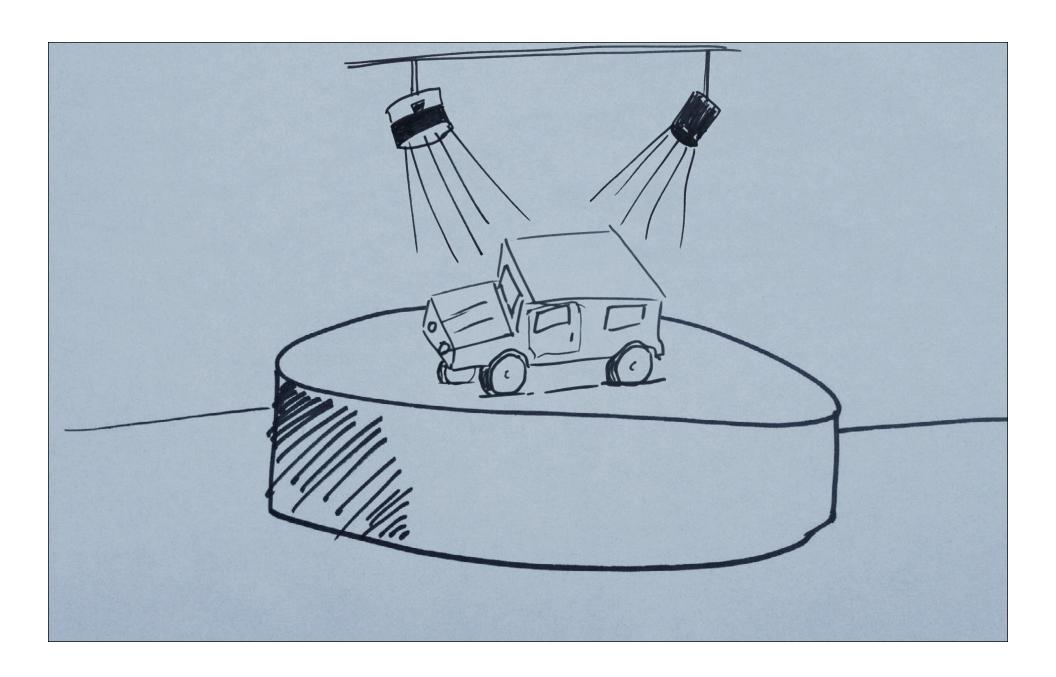


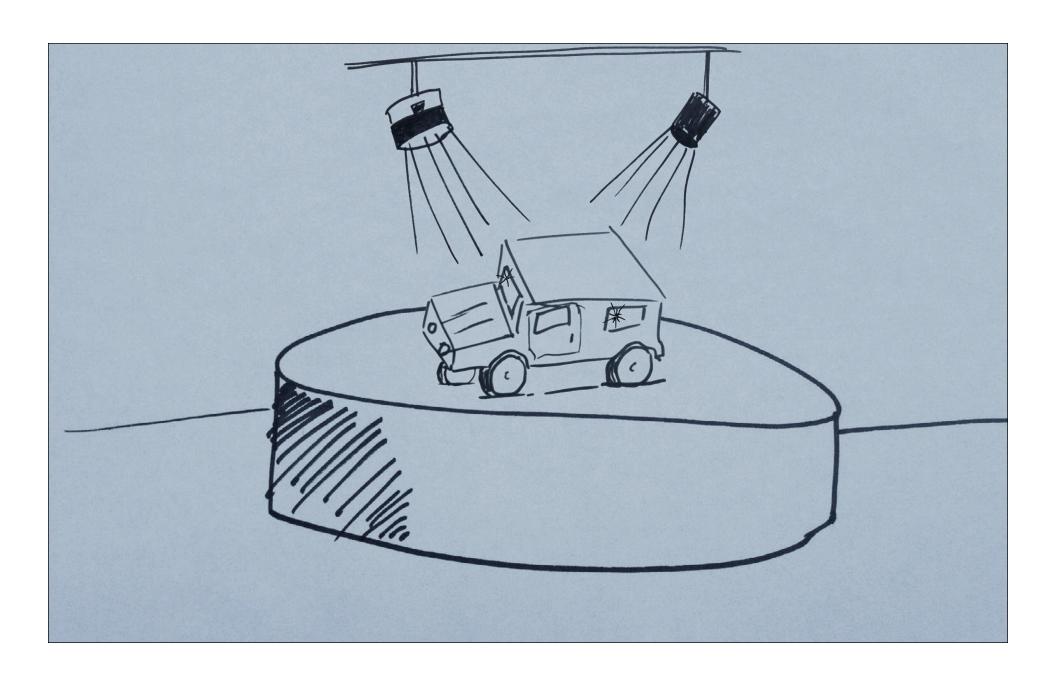


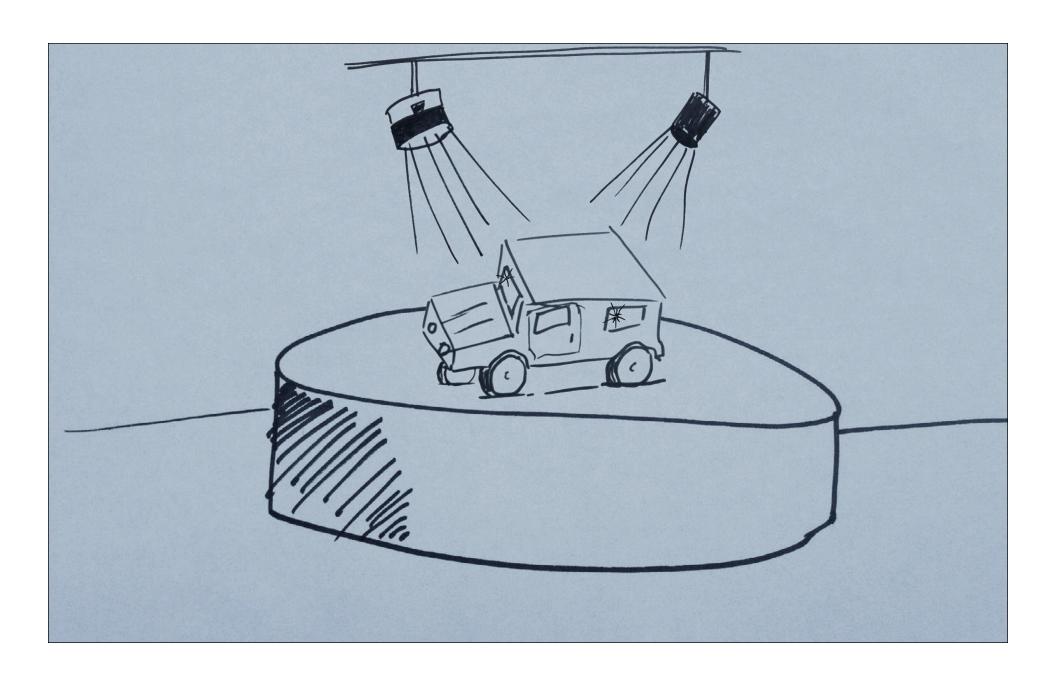


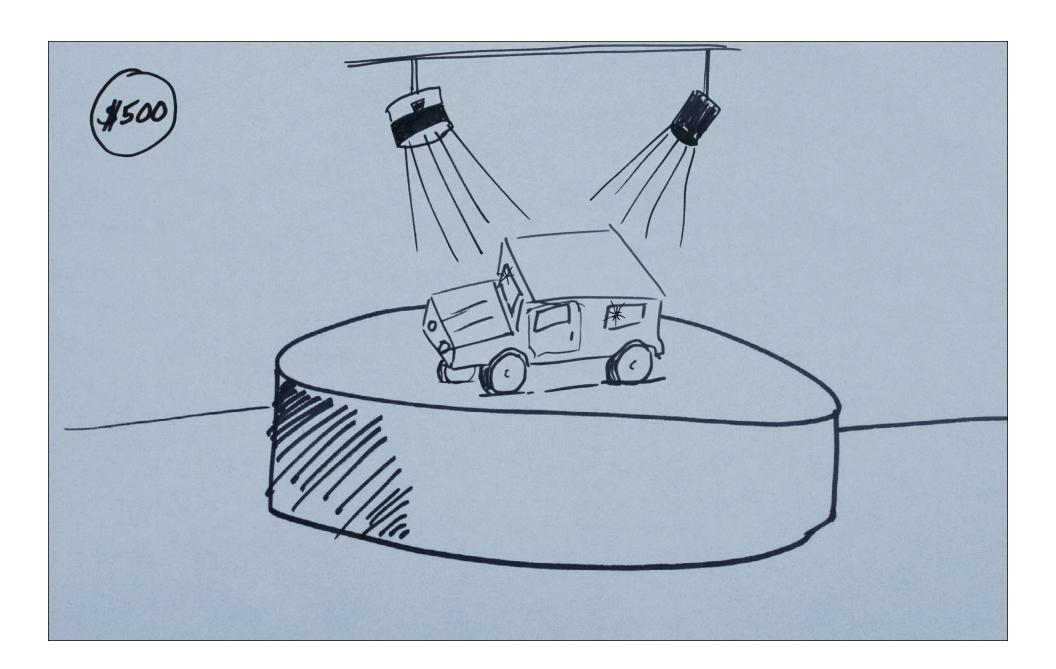


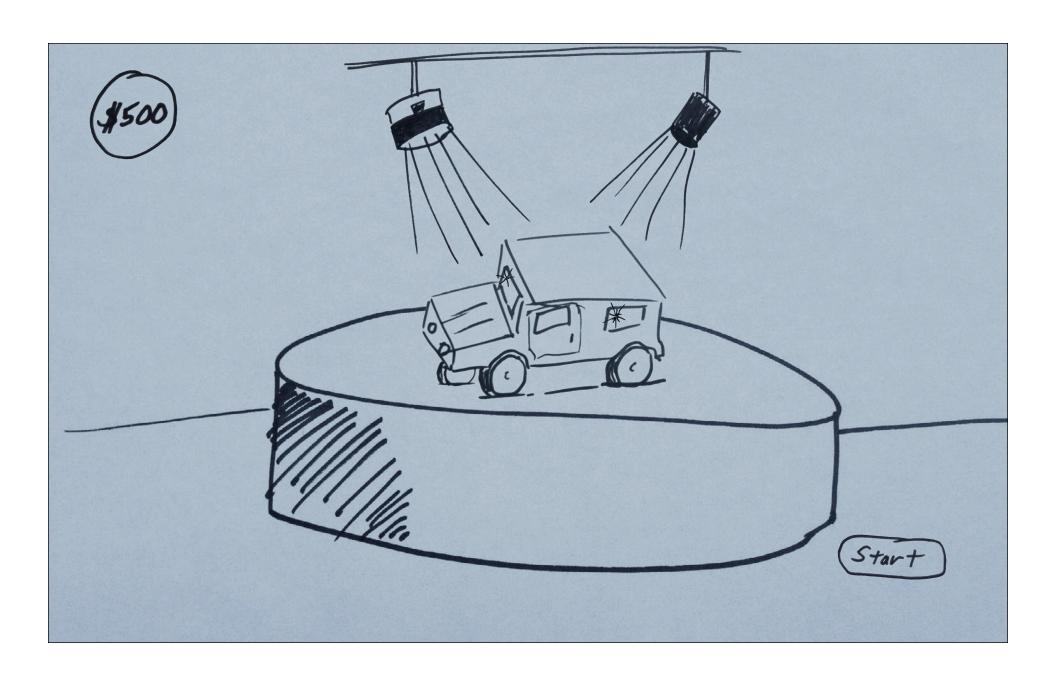


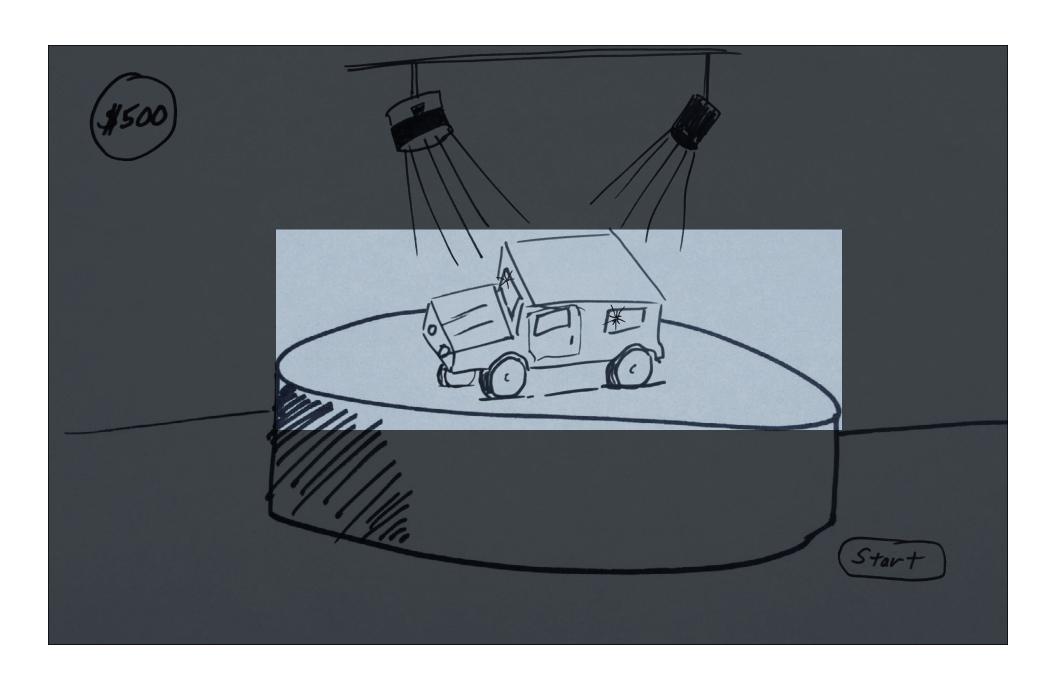


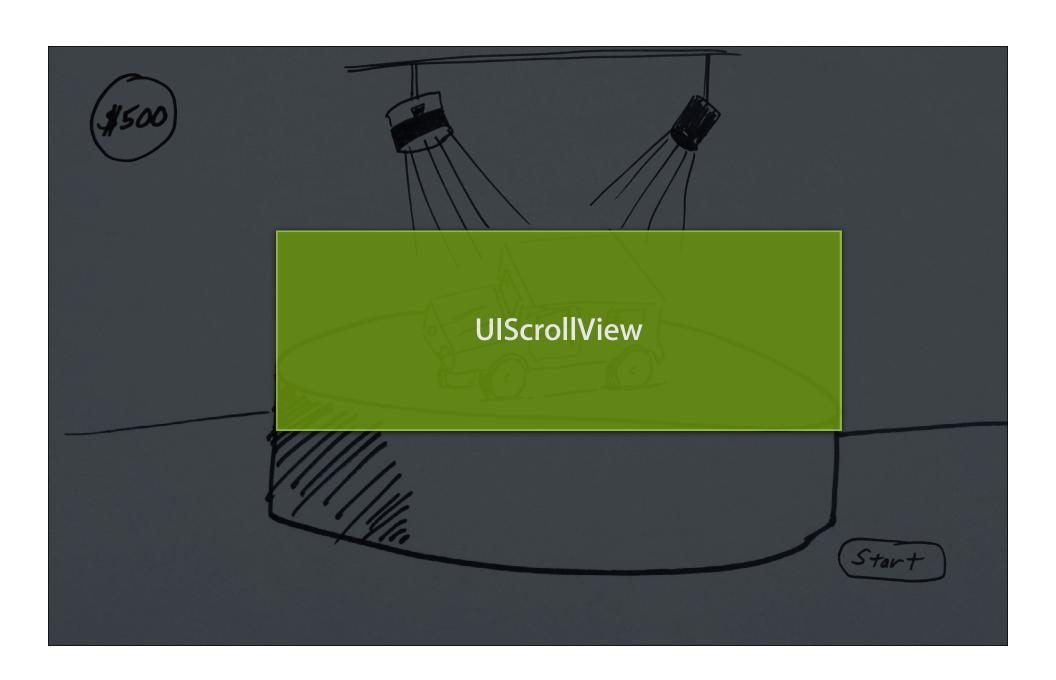








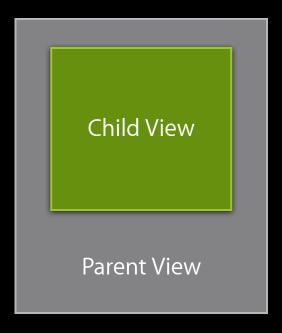




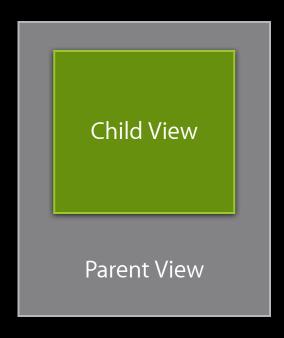
Demo Eliza Block



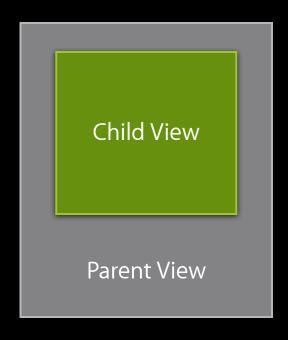
Parent View

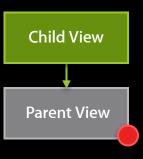




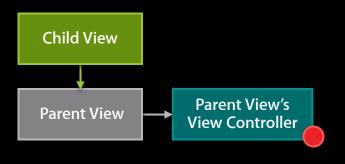


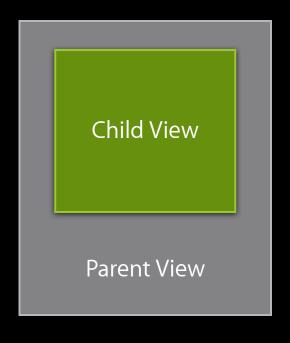
Child View

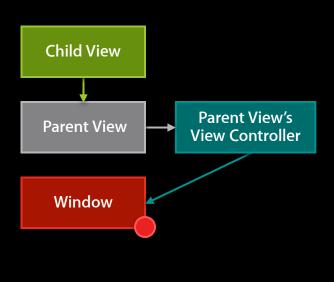




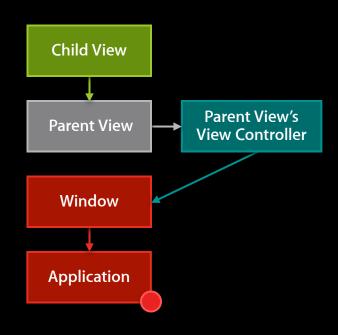




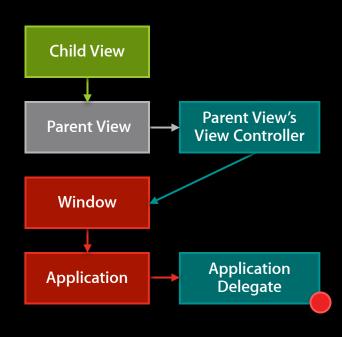


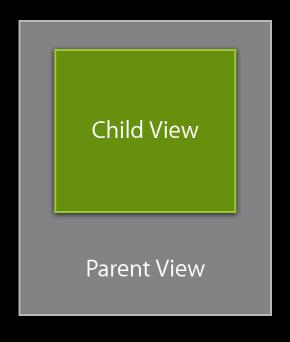


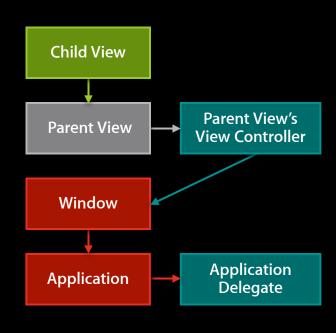










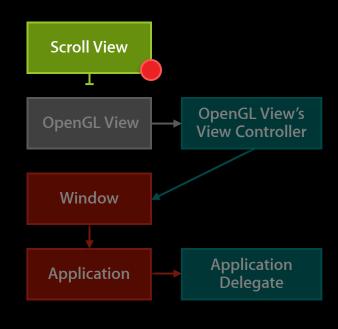


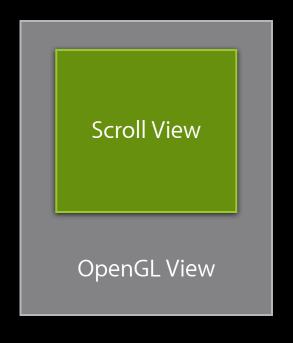


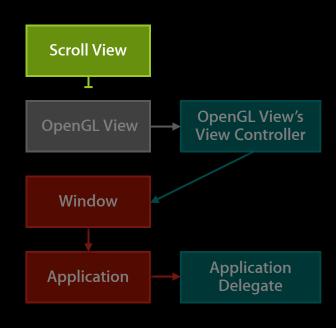












How not to do it

How not to do it

```
- (void)touchesBegan:(NSSet *)touches withEvent:(UIEvent *)event
{
    [[self nextResponder] touchesBegan:touches withEvent:event];
}
```

How not to do it



```
- (void)touchesBegan:(NSSet *)touches withEvent:(UIEvent *)event
{
    [[self nextResponder] touchesBegan:touches withEvent:event];
}
```

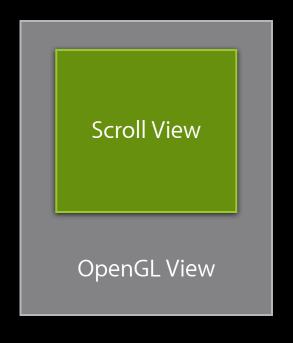
How not to do it

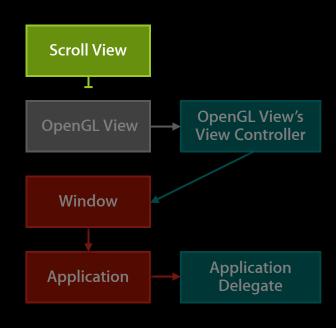
```
X
```

```
- (void)touchesBegan:(NSSet *)touches withEvent:(UIEvent *)event
{
    [[self nextResponder] touchesBegan:touches withEvent:event];
}
```

Scroll View
OpenGL View's View Controller

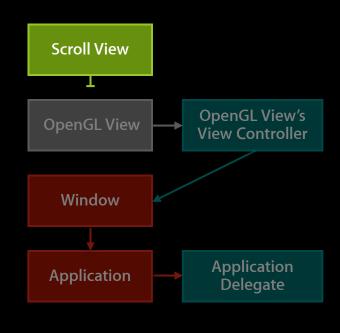
Window
Application
Delegate





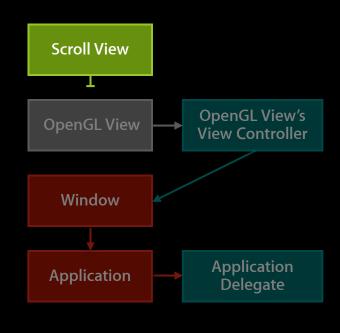
Scroll View

OpenGL View

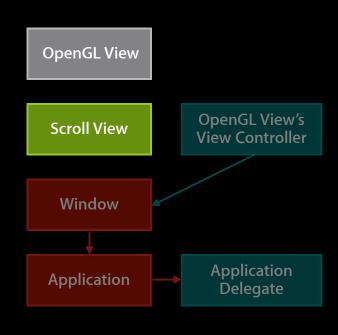


Scroll View

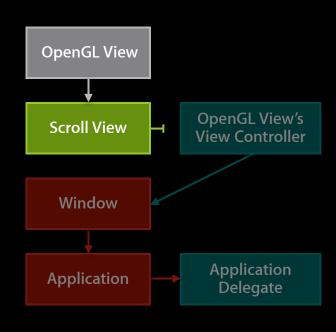
OpenGL View



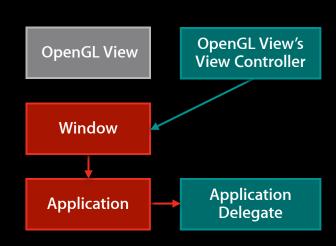


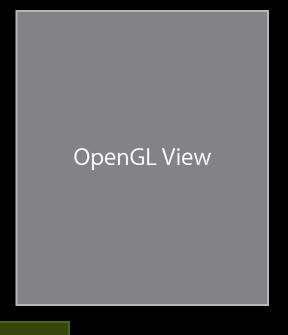


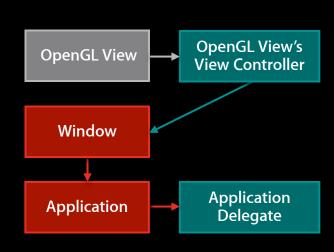




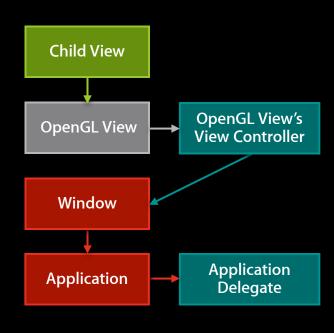




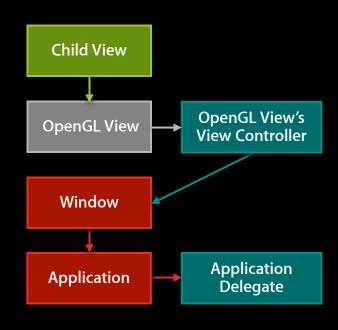






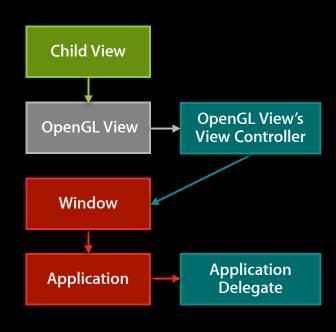




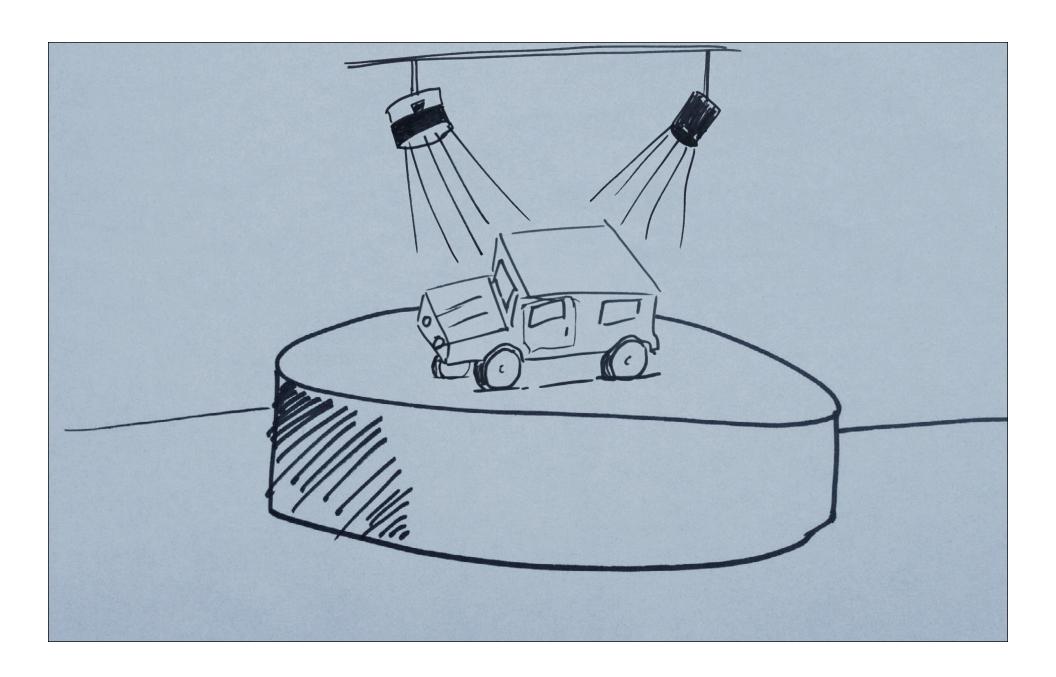


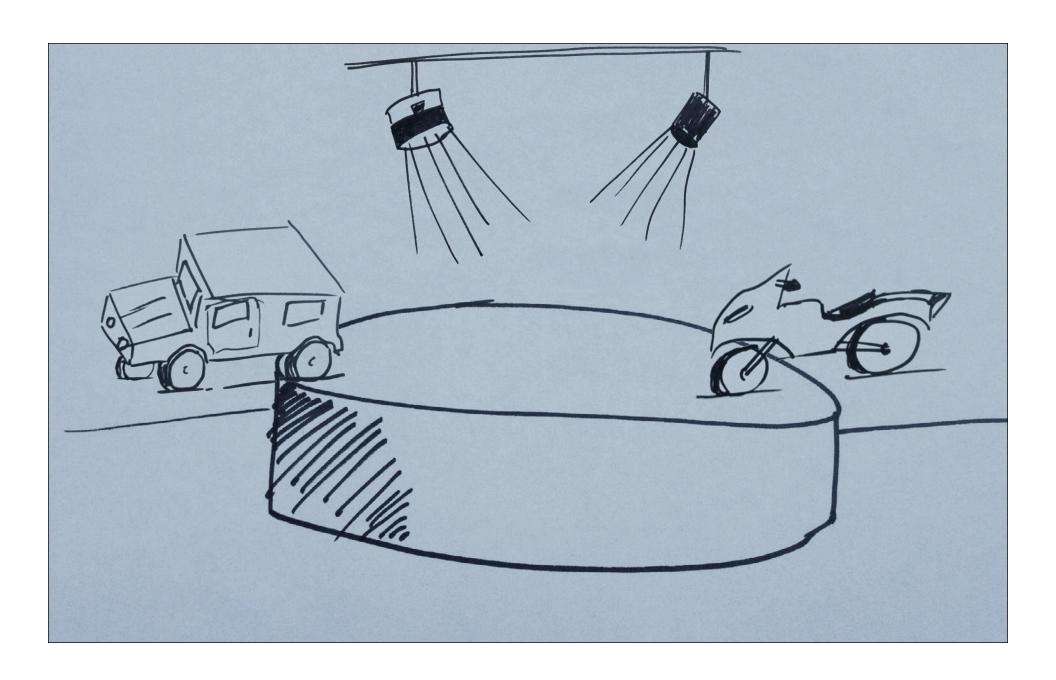


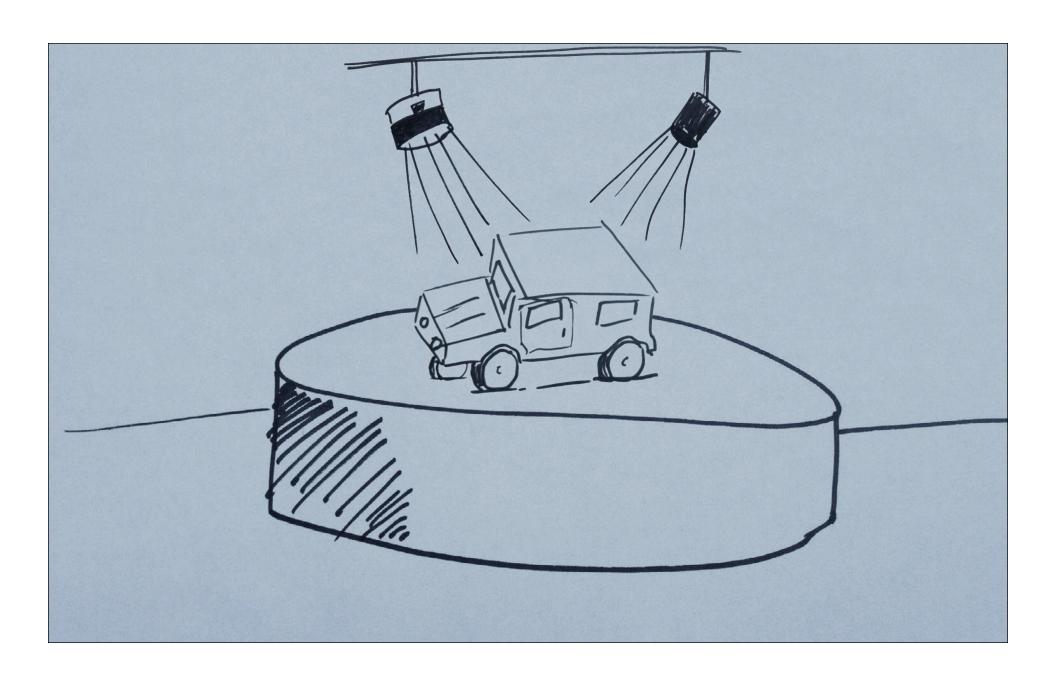


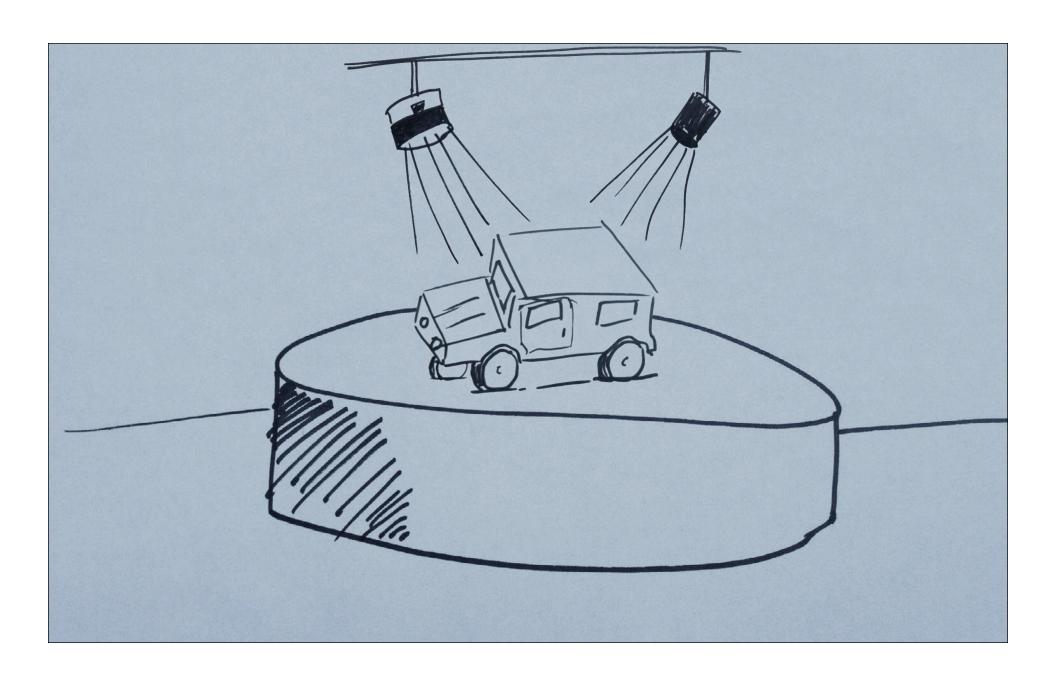


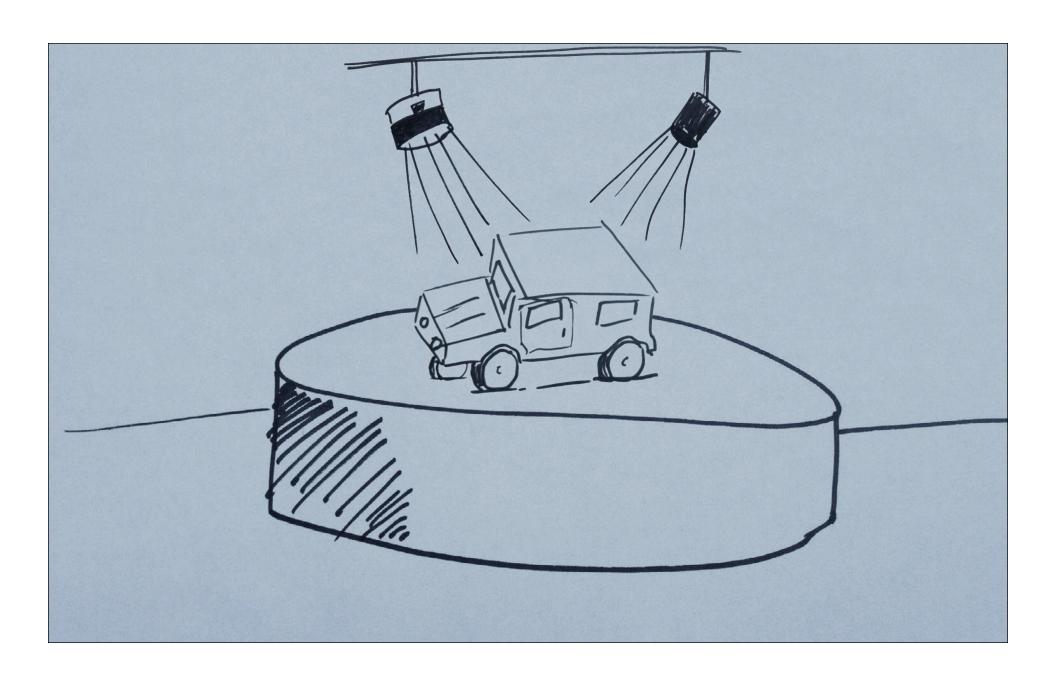
Demo Eliza Block











Deceleration Targets

Deceleration Targets



Deceleration Targets



Demo Eliza Block

More Information

Jake Behrens

UI Frameworks Evangelist behrens@apple.com

Documentation

Scroll View Programming Guide for iOS http://developer.apple.com/library/ios/#documentation/WindowsViews/Conceptual/UIScrollView_pg

Apple Developer Forums

http://devforums.apple.com

Related Sessions

Introducing Collection Views	Marina Thursday 9:00AM
Building Advanced Gesture Recognizers	Marina Thursday 11:30AM

Labs

Scroll Views on iOS Lab

Essentials Lab A Thursday 9:00AM

WWDC2012





