

Developing Wearable Software

Conrad Stoll - @conradstoll - @mutualmobile

Apple Watch is Awesome

Apps

Do One Thing and Do It Well

If you could have any button on your wrist, what would it be?





Working with WatchKit



The image shows a blue architectural blueprint with white lines and text. A silver pen with a black grip is positioned diagonally across the center. A silver clip is visible in the top right corner. The blueprint contains several handwritten-style text labels: 'Unlimited Undo & Redo' in the top left, 'Precise control over font, text style, & paragraph settings' in the middle left, 'Writing tools' in the bottom left, 'Color palette' in the top right, 'Transpare Effects' in the middle right, 'Measuring tools' in the top right, 'Text spacing', 'Alignment', and 'Grid tool' in the middle right, 'Extreme' in the bottom right, and 'ARCHITECT: XCODE #1' in the bottom right. The text 'There's not much code!' is overlaid in the center.

There's not much code!

Access to iPhone App

Data and sensors from the iPhone

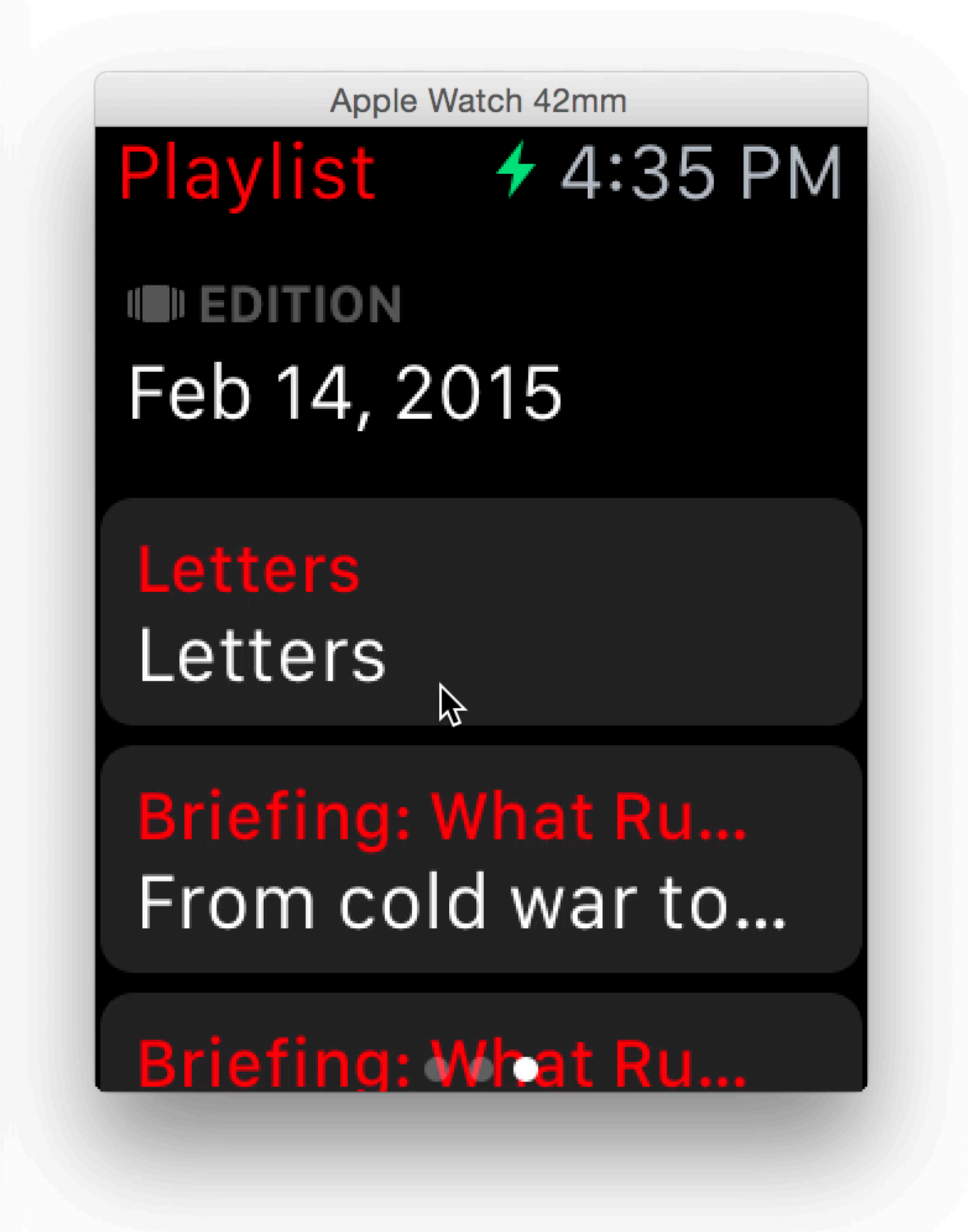
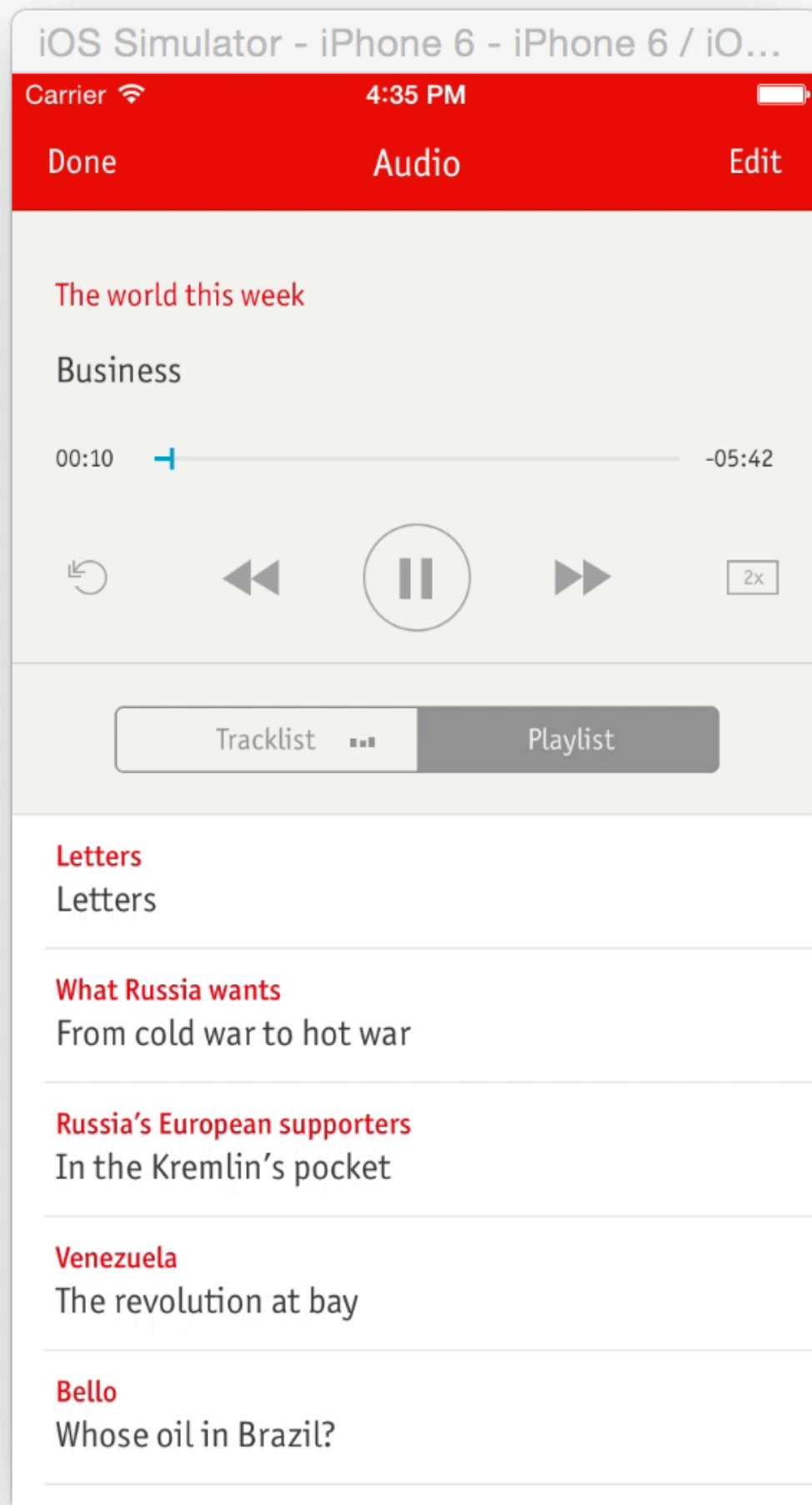
Existing iPhone code

Communication

Message Passing and File Transfer

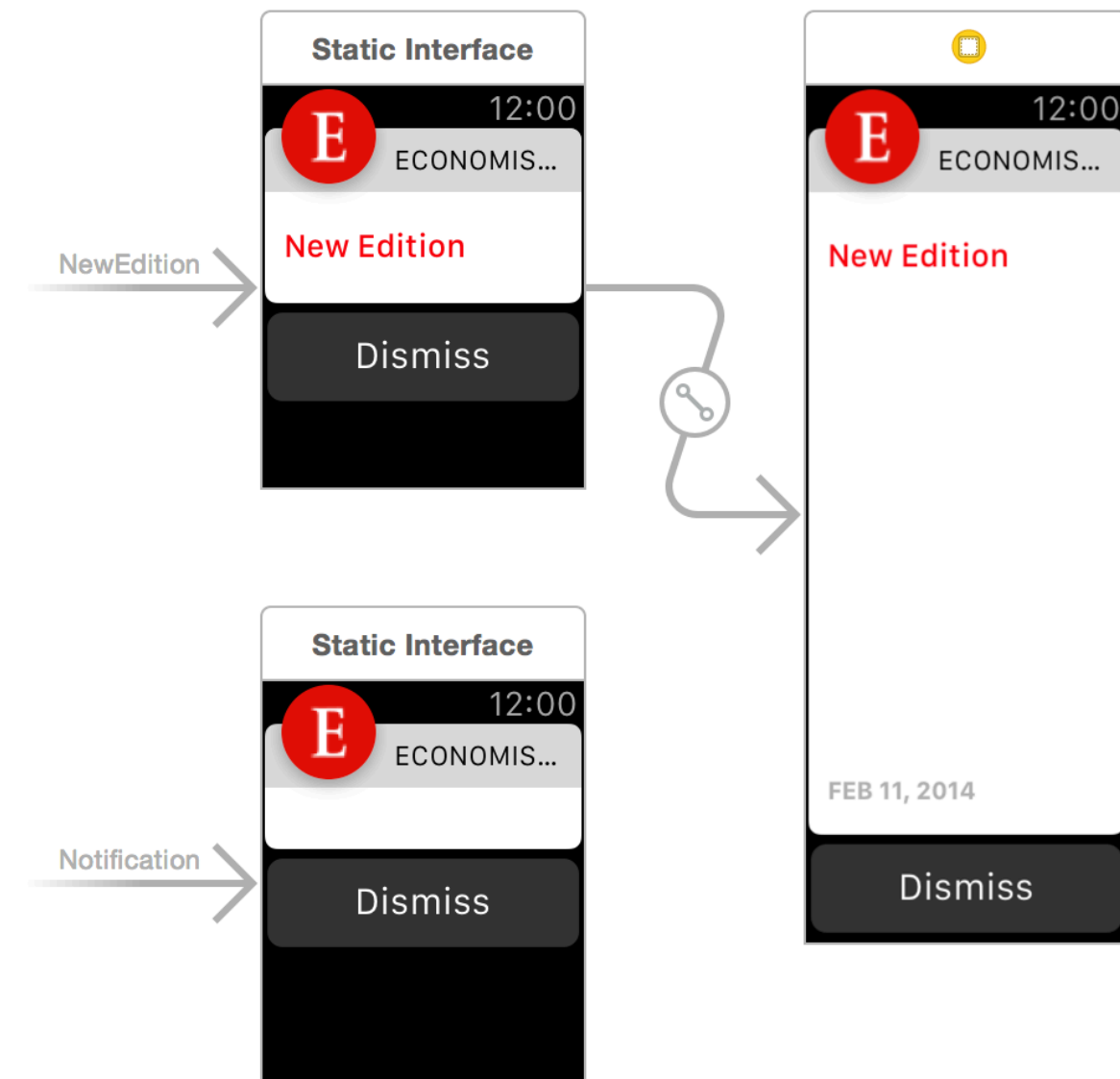
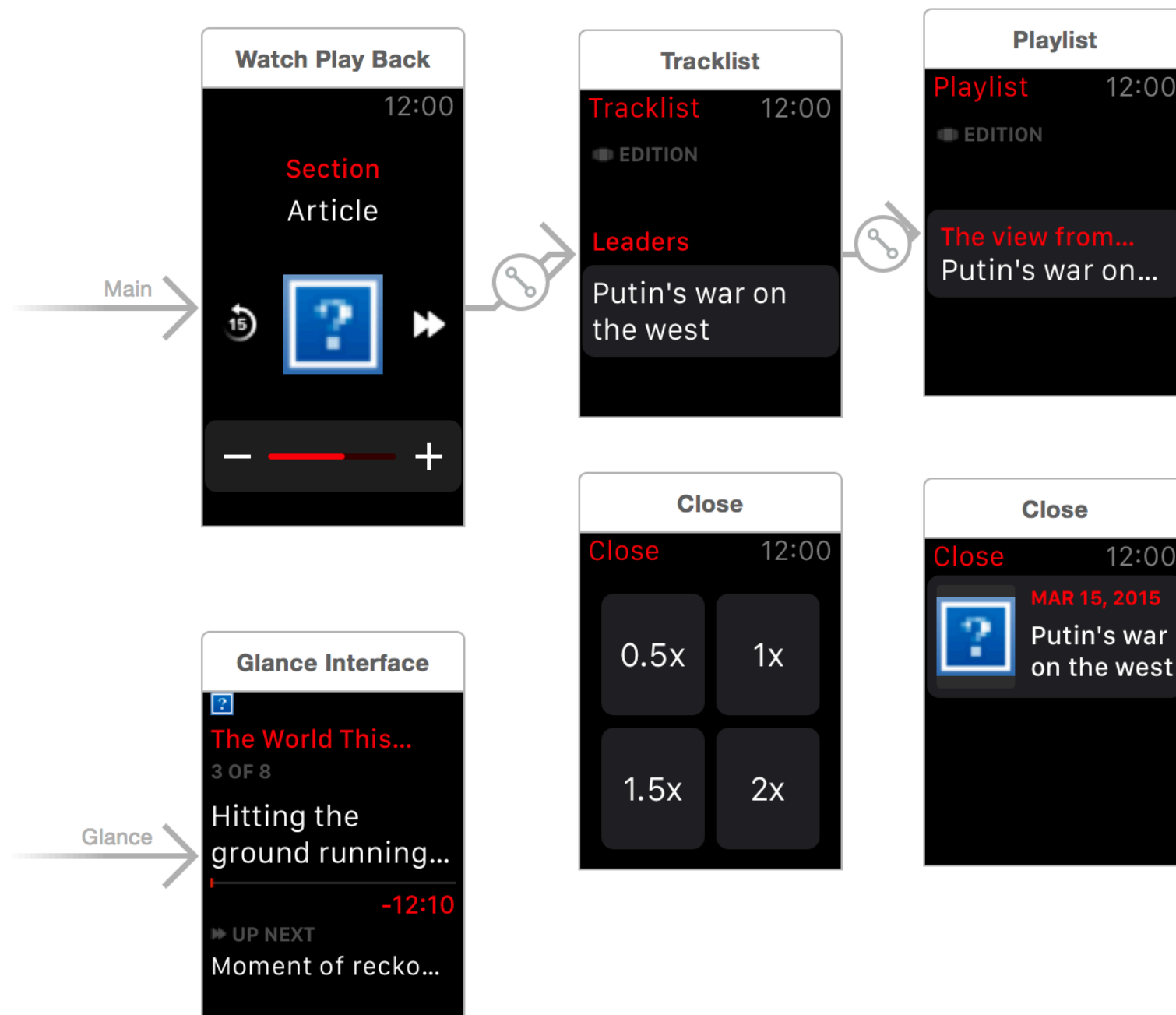
MMWormhole

<http://github.com/mutualmobile/mmwormhole>



Storyboards

Watch app UI is entirely defined using Storyboards

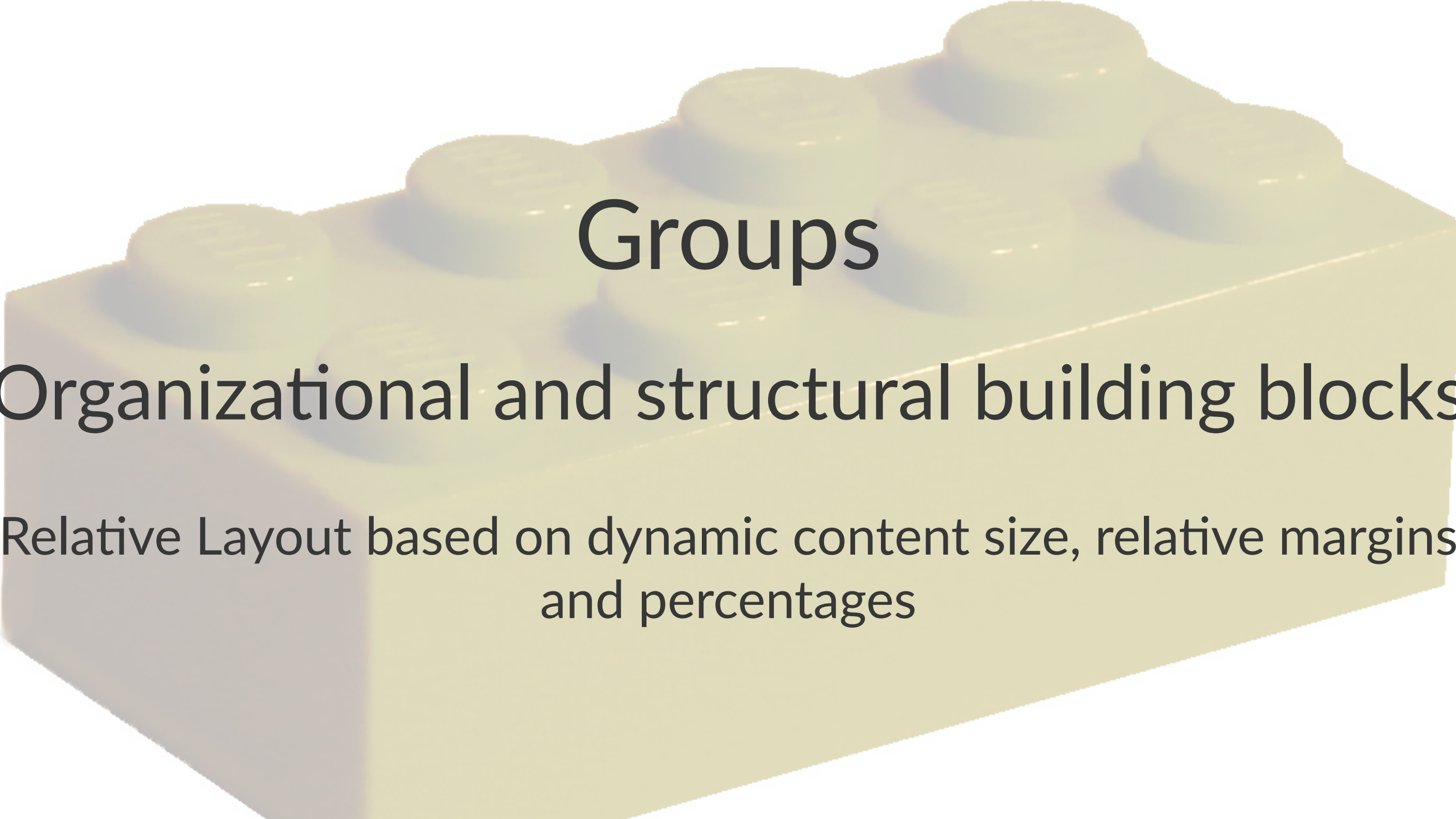


Digital Crown

WKInterfacePicker



Demo



Groups

Organizational and structural building blocks

Relative Layout based on dynamic content size, relative margins
and percentages

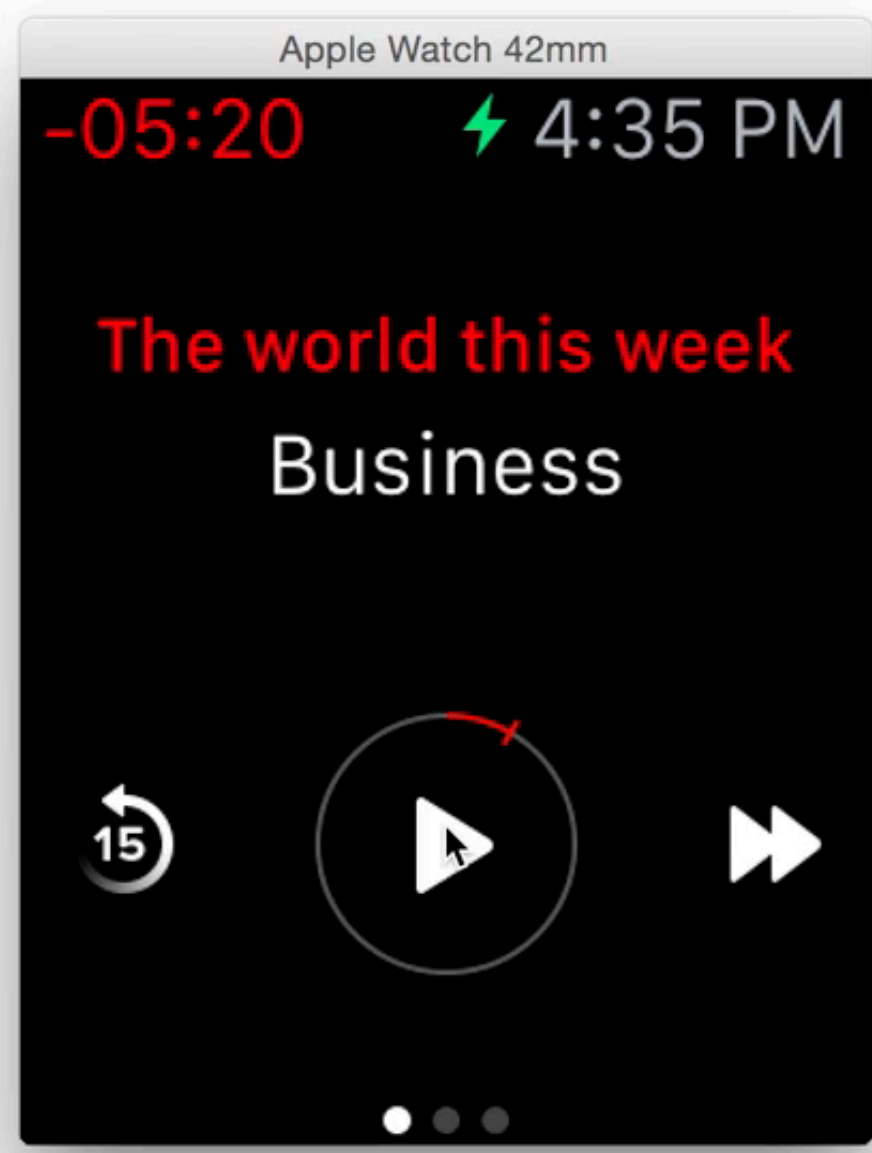
~~View~~ Interface Controllers

Every screen is backed by a light weight interface controller

Runtime



Image Sequences and Animations!



UA Record





Demo

Complications

Great Watch Apps are Great Complications

My Watch Face



Demo

Notifications

Very customizable

Richly detailed

Actionable



Demo

Glances

Quick bits of information





Labels

Attributed text, dynamic type, multiline text layout



Demo

Sample Code

github.com/cnstoll/BeerButton

speakerdeck.com/cnstoll/developing-wearable-software

Thanks!

Conrad Stoll - @conradstoll - @mutualmobile

Q&A