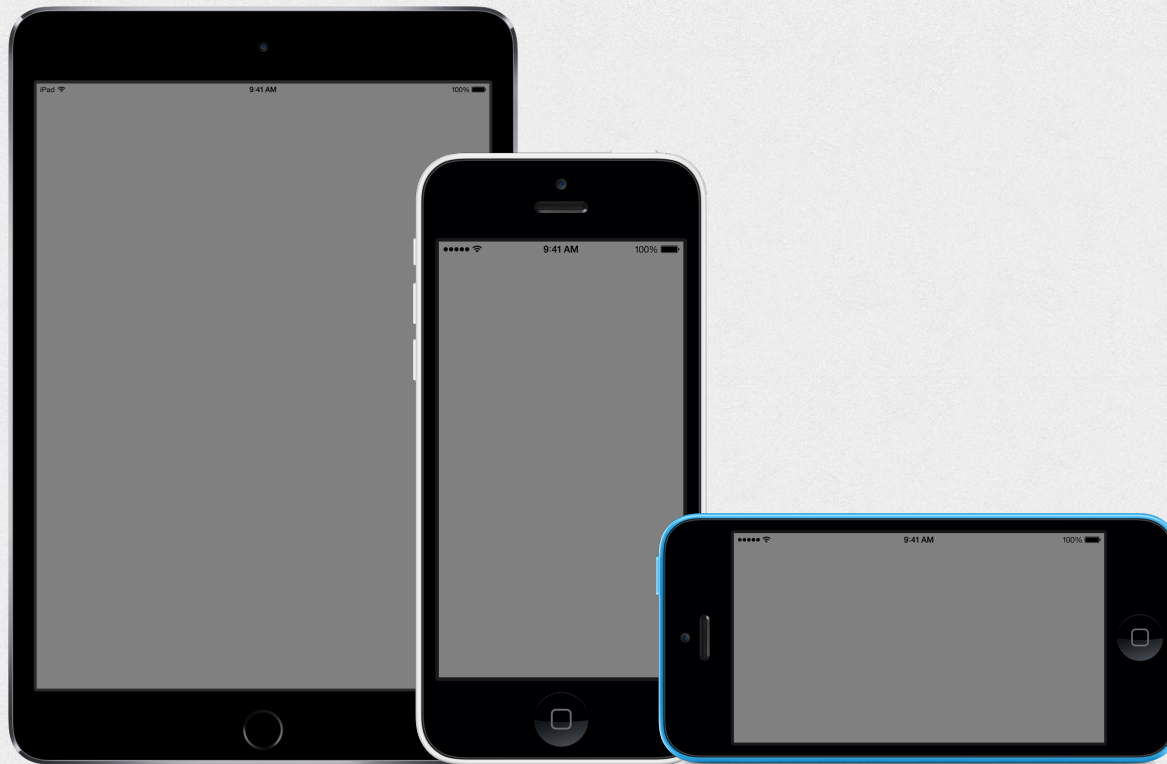# Adaptive Layout

Introduction
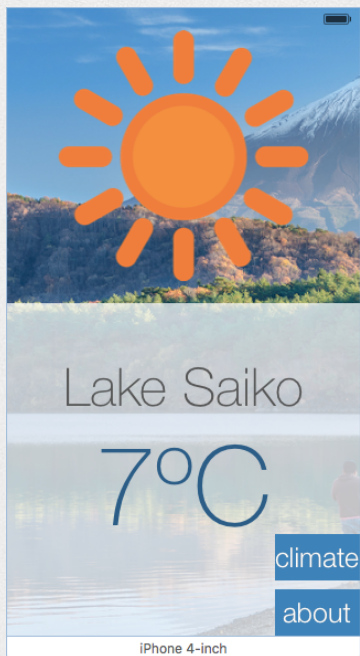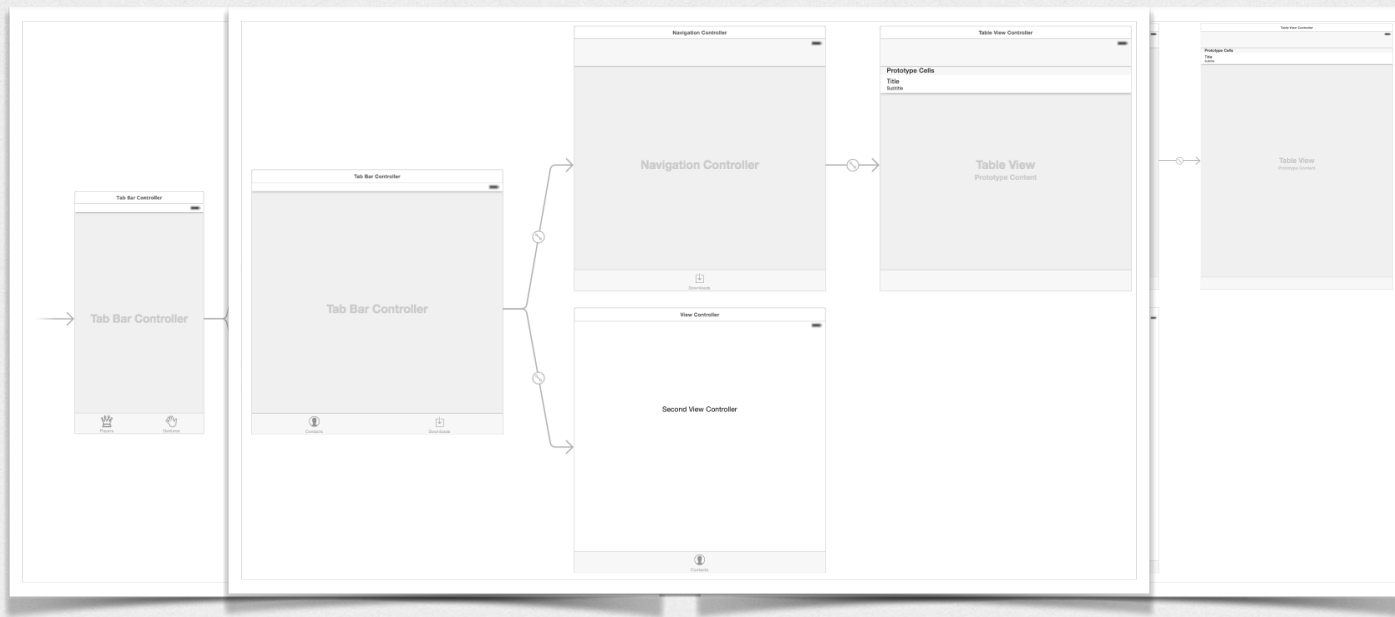
Flexible Layouts

Auto Layout

Universal Apps

Main_iPhone.storyboard   Main.storyboard   Main_iPad.storyboard

Parts 1–4: Size Classes & IB

⚙ Size classes

⚙ Interface builder

⚙ Mapping to screen size/device

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Parts 5–7: Code & Targeted Adaptivity

- ⚙ Trait collections
- ⚙ Trait environments
- ⚙ Image collections

```
let h = traitCollection.horizontalSizeClass
let override = UITraitCollection(verticalSizeClass: .Compact)

image.imageAsset.registerImage(smallImage, withTraitCollection: compactHeight)
```

- ⚙ Appearance proxy
- ⚙ Adaptive presentation

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Challenge Time!