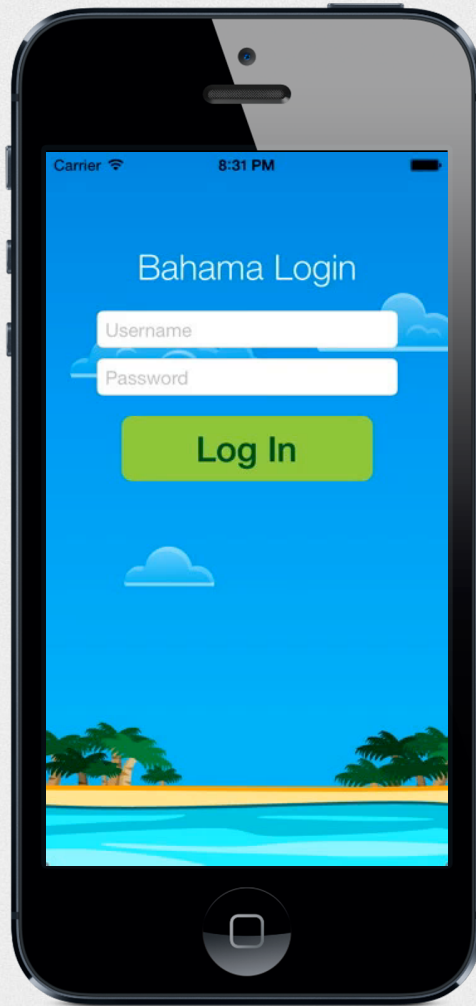


# iOS Animation with Swift

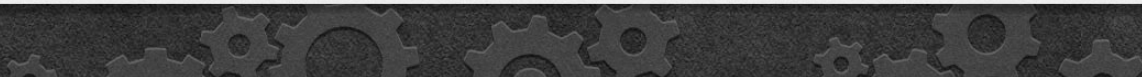
Part 8: CAKeyframeAnimations and Animation Keys



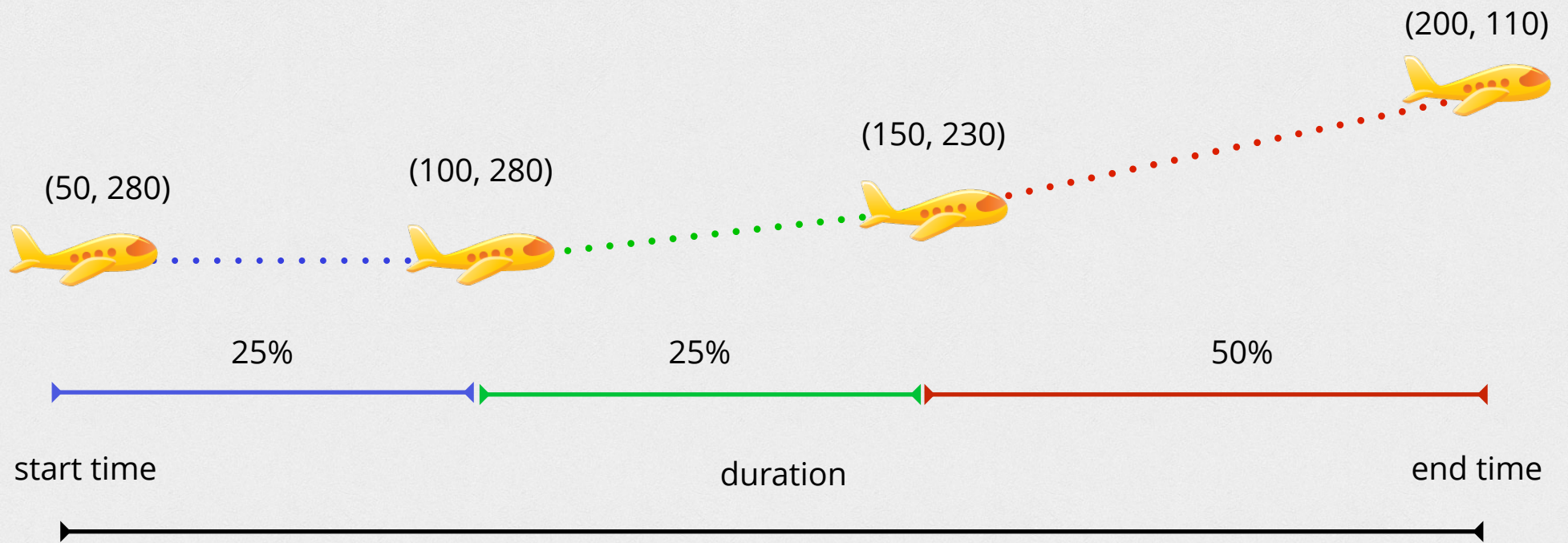


# Keyframe layer animations

---



# Keyframe layer animations



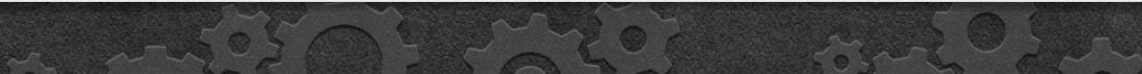
# CAKeyframeAnimation

---

```
let bounce = CAKeyframeAnimation(keyPath: "transform.rotation.z")
bounce.values = [0.0, -M_PI_4/2, M_PI_4/2, 0.0]
bounce.keyTimes = [0.0, 0.33, 0.67, 1.0]
bounce.duration = 0.4
bounce.additive = true
```

# Demo: CAKeyframeAnimation demo

---



# Animation keys

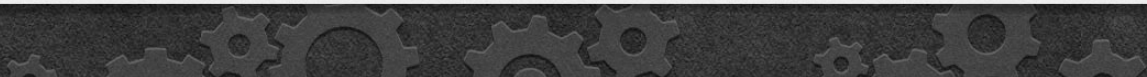
---

- ⚙️ `addAnimation(_, forKey:)`
- ⚙️ `animationForKey(_)`
- ⚙️ `removeAnimationForKey(_)`
  
- ⚙️ `animationKeys()`
- ⚙️ `removeAllAnimations()`



# Demo: Animation keys

---





# Challenge Time!

---

