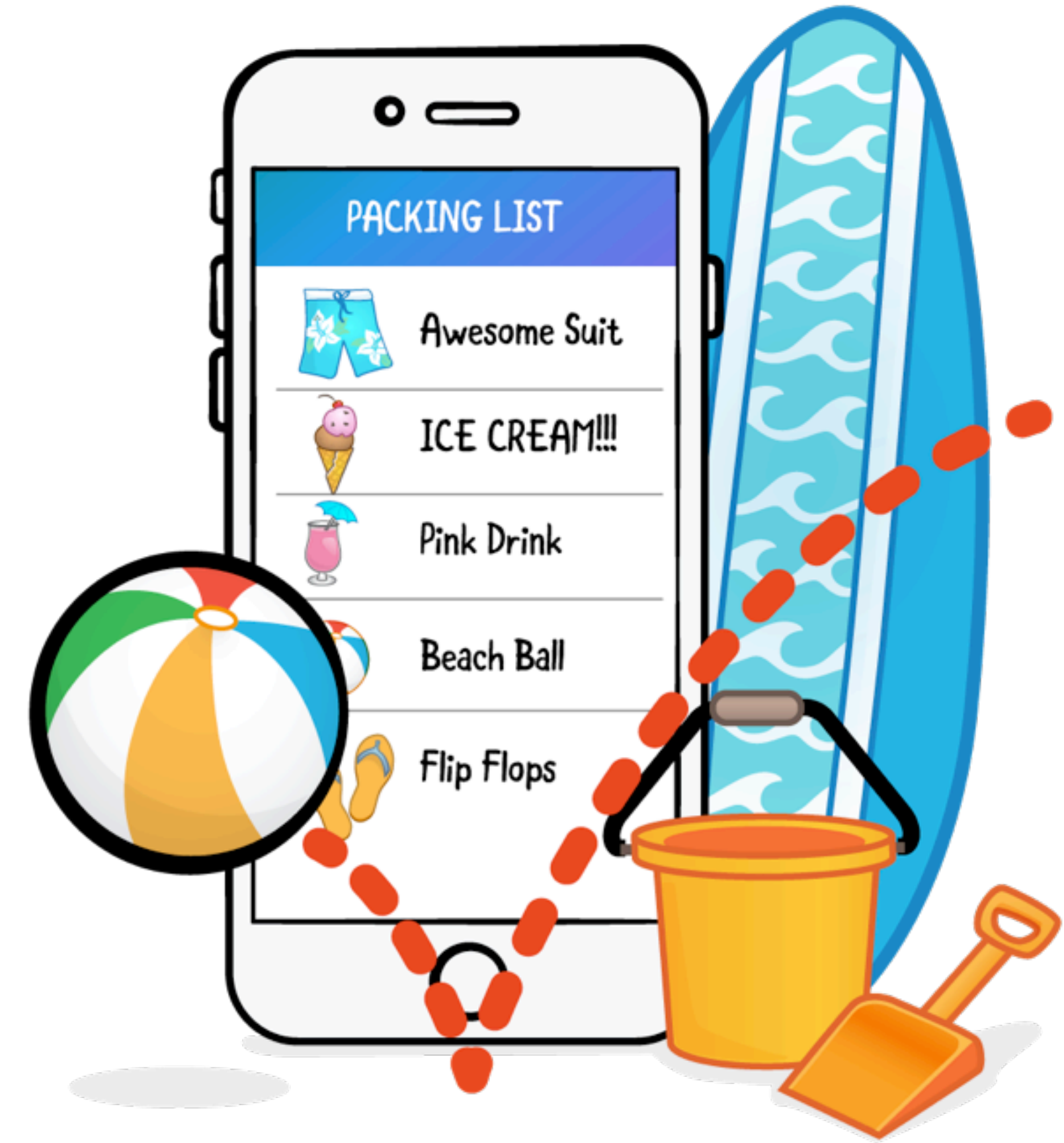


BEGINNING

iOS ANIMATIONS

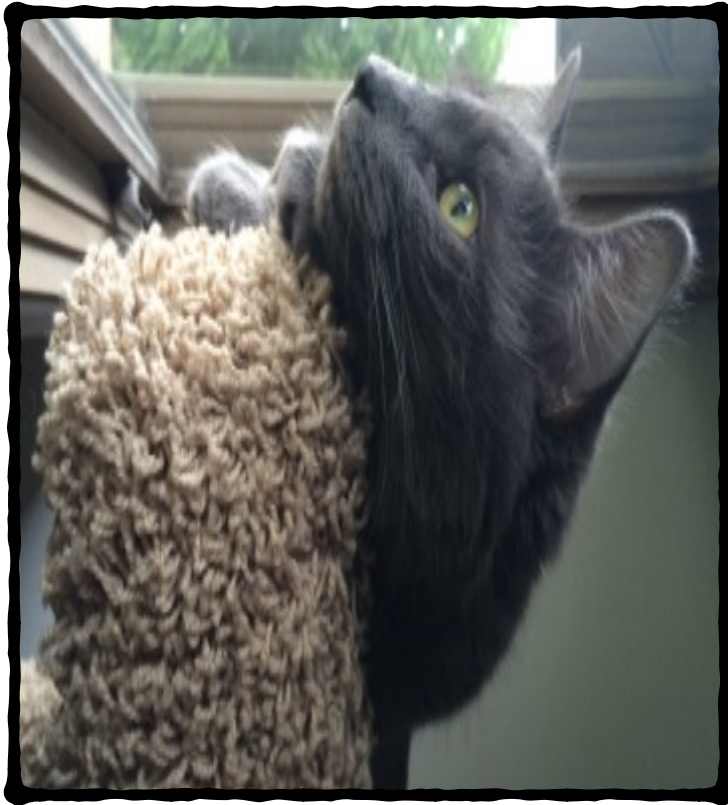


PART 6: BEGINNING VIEW ANIMATIONS





ANIMATING VIEWS

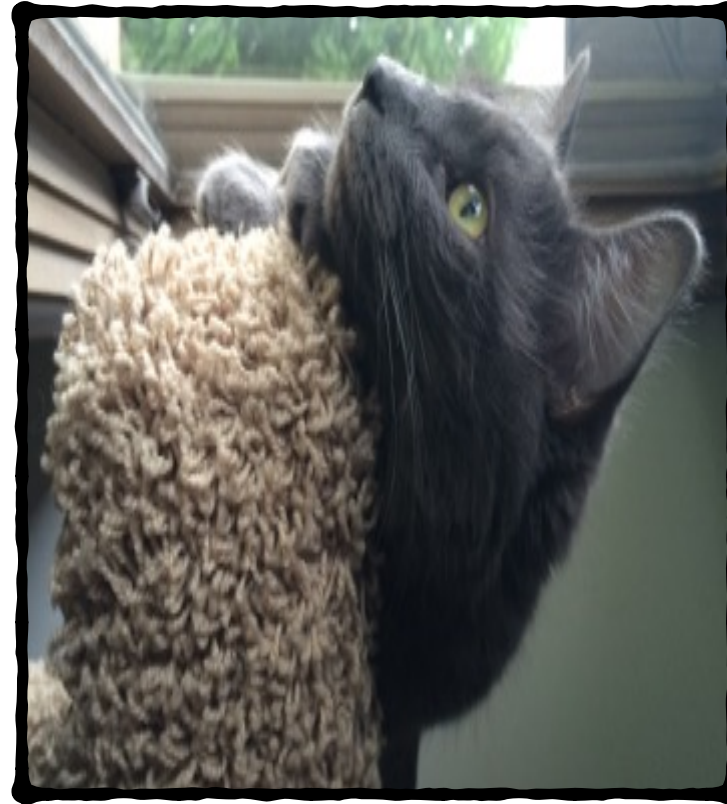


(200, 150)

(350, 150)



ANIMATING VIEWS

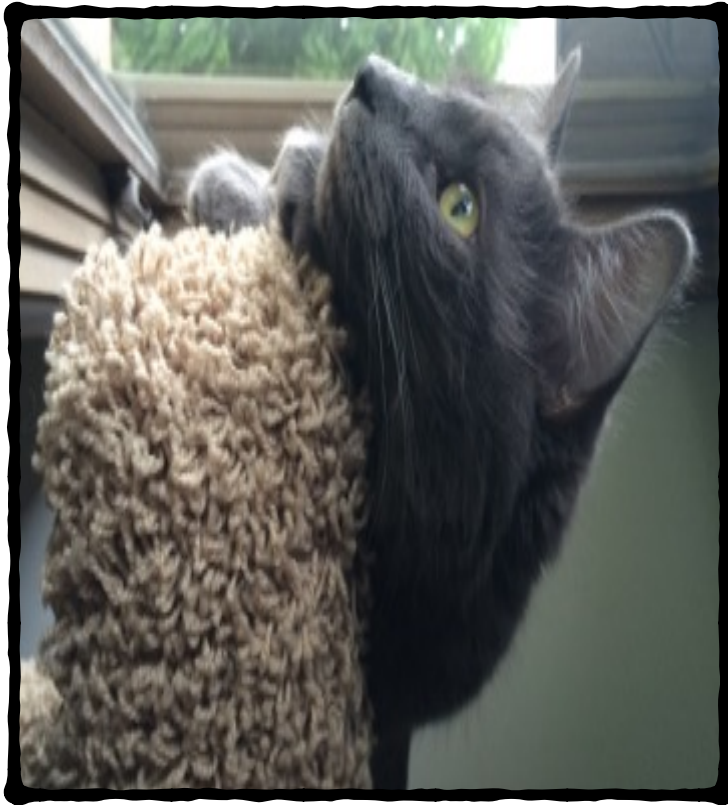


(200, 150)

(350, 150)



ANIMATING VIEWS



(200, 150)

(350, 150)



ANIMATABLE PROPERTIES



ANIMATABLE PROPERTIES

Position & Size



ANIMATABLE PROPERTIES

Position & Size

► bounds



ANIMATABLE PROPERTIES

Position & Size

- ▶ bounds
- ▶ frame



ANIMATABLE PROPERTIES

Position & Size

- ▶ bounds
- ▶ frame
- ▶ center



ANIMATABLE PROPERTIES

Position & Size

- ▶ bounds
- ▶ frame
- ▶ center

Transformation



ANIMATABLE PROPERTIES

Position & Size

- ▶ bounds
- ▶ frame
- ▶ center

Transformation

- ▶ Transform
 - ▶ translation
 - ▶ rotation
 - ▶ scale



ANIMATABLE PROPERTIES

Position & Size

- ▶ bounds
- ▶ frame
- ▶ center

Transformation

- ▶ Transform
 - ▶ translation
 - ▶ rotation
 - ▶ scale

Appearance



ANIMATABLE PROPERTIES

Position & Size

- ▶ bounds
- ▶ frame
- ▶ center

Transformation

- ▶ Transform
 - ▶ translation
 - ▶ rotation
 - ▶ scale

Appearance

- ▶ backgroundColor



ANIMATABLE PROPERTIES

Position & Size

- ▶ bounds
- ▶ frame
- ▶ center

Transformation

- ▶ Transform
 - ▶ translation
 - ▶ rotation
 - ▶ scale

Appearance

- ▶ backgroundColor
- ▶ alpha



ANIMATION API

```
UIView.animate(  
    withDuration: 1.0,  
    animations: {  
        layoutIfNeeded()  
    }  
)
```



ANIMATION API

```
myConstraint.constant = 50
```

```
UIView.animate(  
    withDuration: 1.0,  
    animations: {  
        layoutIfNeeded()  
    }  
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ANIMATION API

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myConstraint.constant = 50
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UIView.animate(  
  withDuration: 1.0,  
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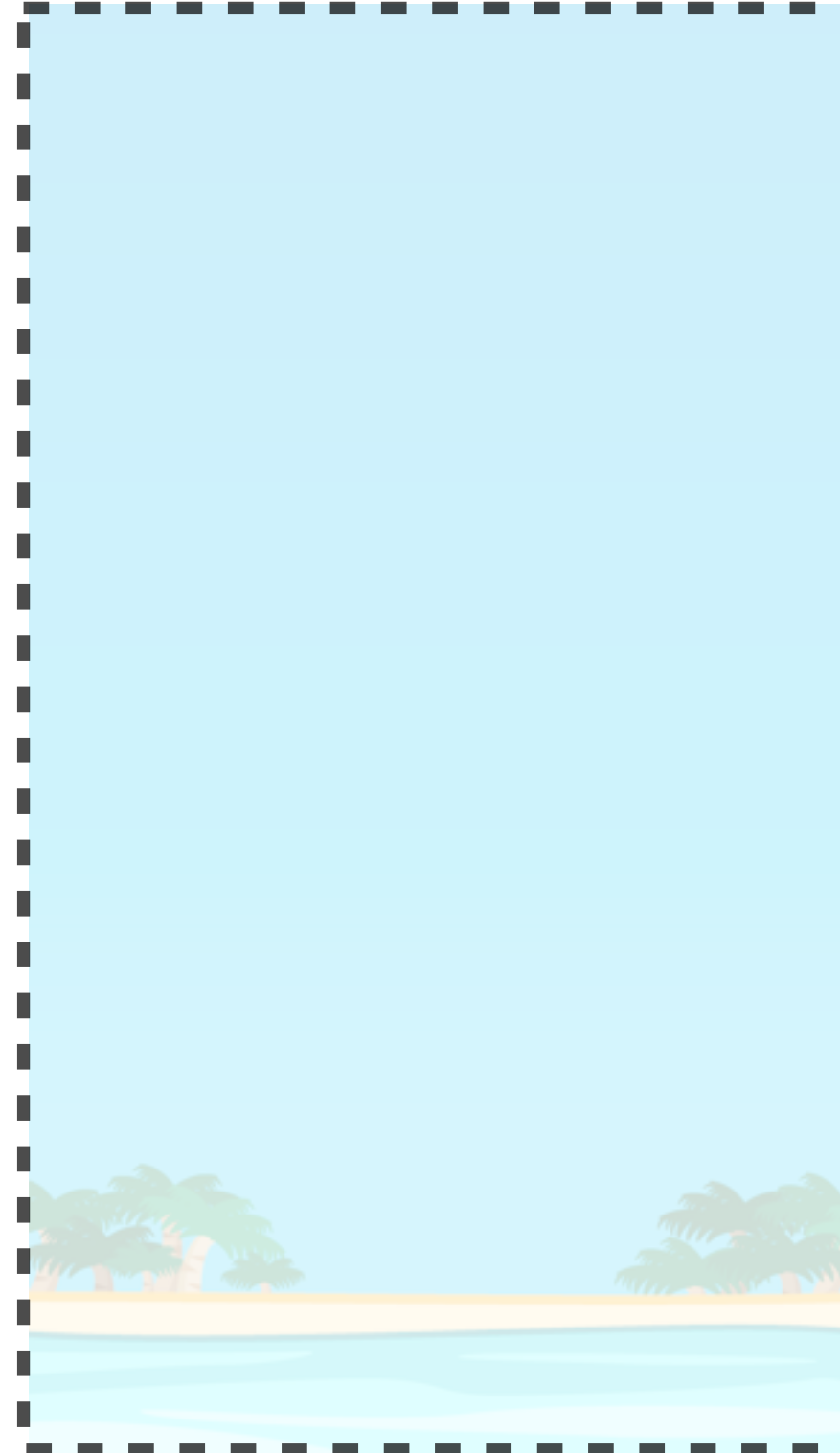
ANIMATION API

```
UIView.animate(  
    withDuration: 1.0,  
    animations: {  
        meowView.alpha = 1.0  
    }  
)
```


ANIMATION PLAN



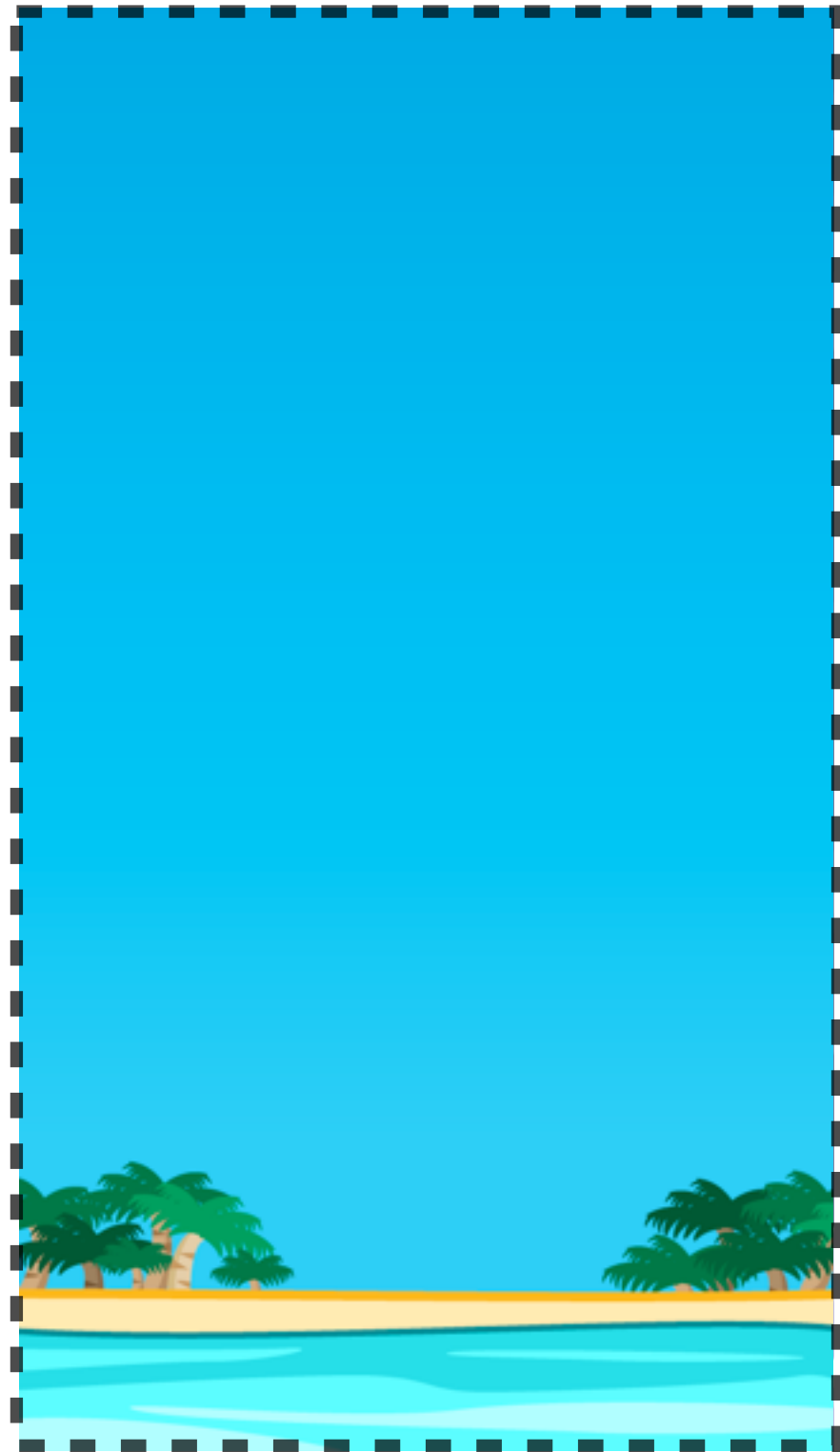
ANIMATION PLAN



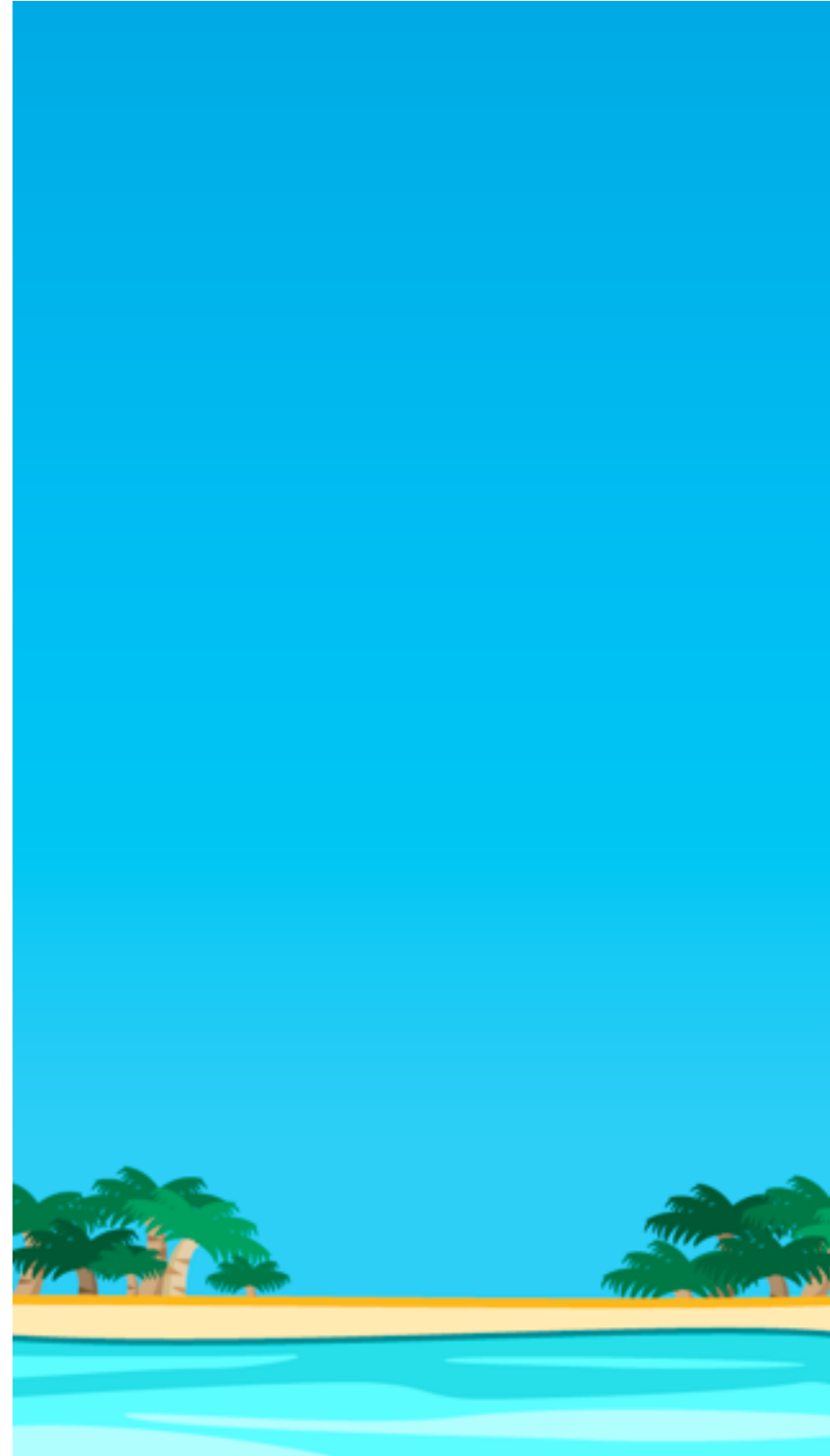
ANIMATION PLAN



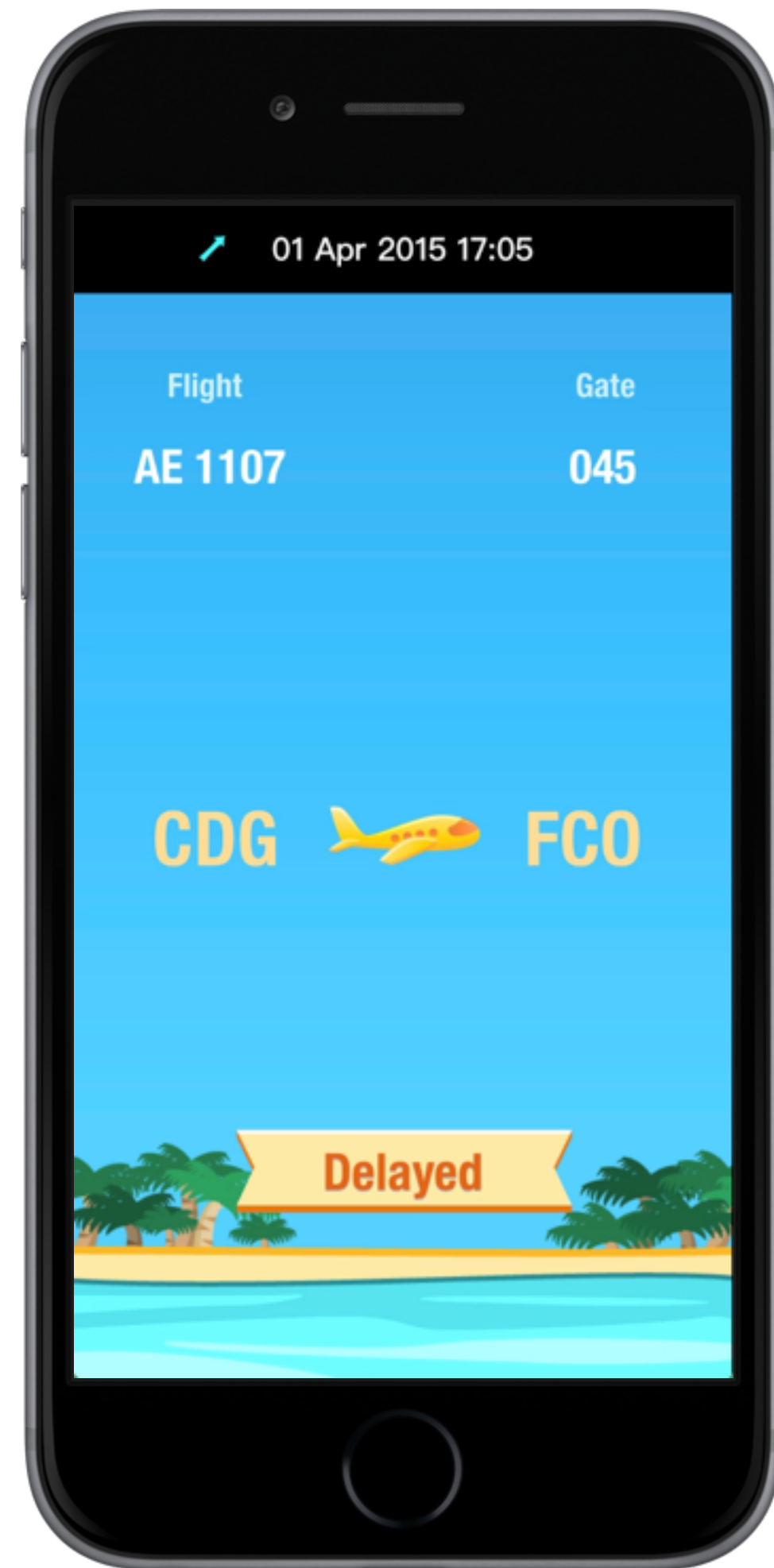
ANIMATION PLAN



ANIMATION PLAN



CHALLENGE TIME!



CHALLENGE TIME!

