

# SCROLL VIEW

## CSS SCHOOL

### SECTION 2

#### INTERMEDIATE SCROLL VIEWS

INTRODUCTION

# SECTION OVERVIEW

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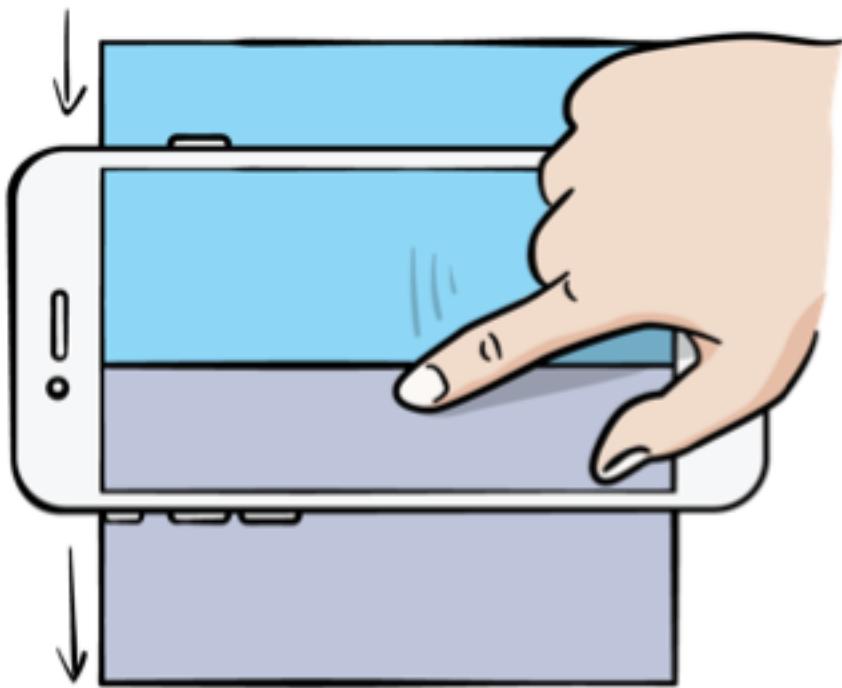
- Embedding Layouts
- Scroll Views in Scroll Views
- Scroll View Insets
- Paging Scroll Views



# SCROLL VIEW SCHOOL

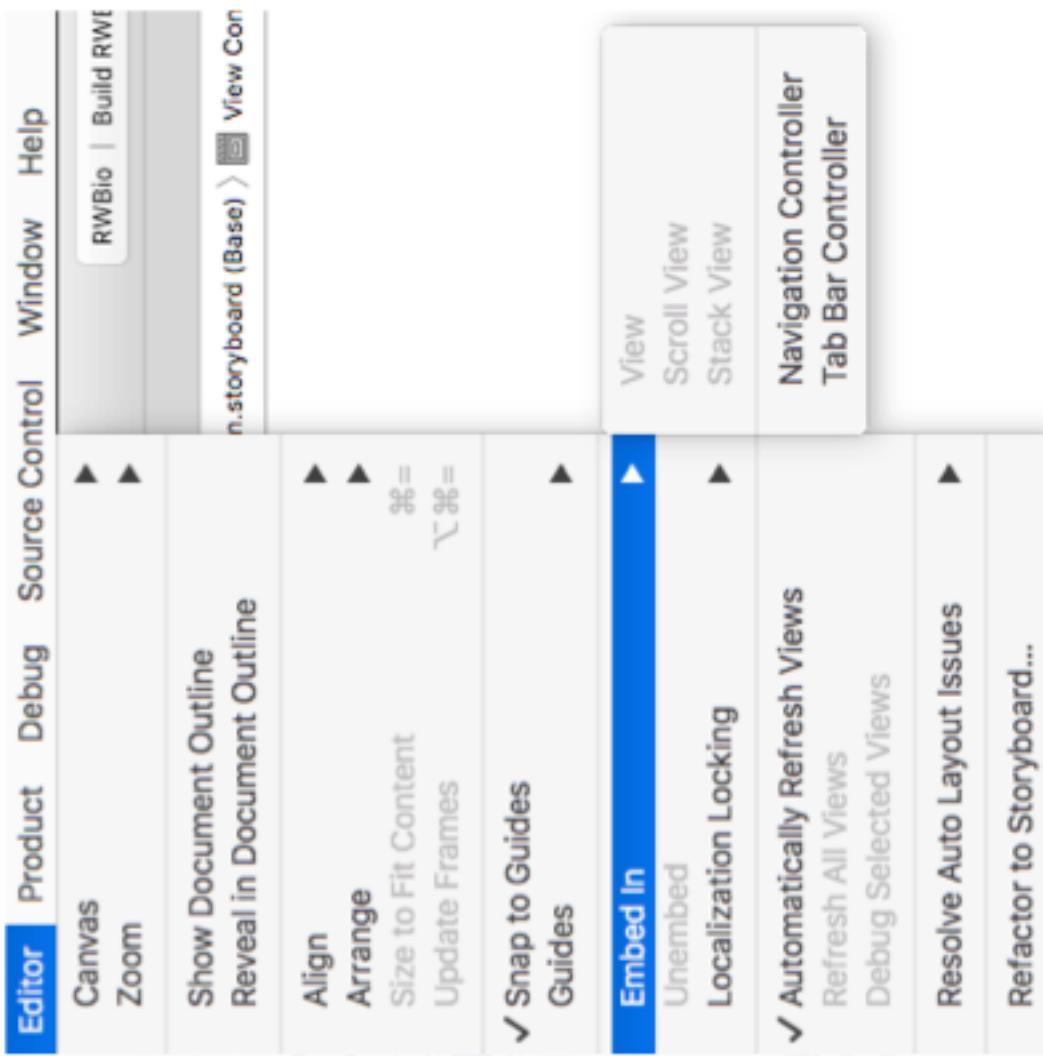
## SECTION 2

### INTERMEDIATE SCROLL VIEWS



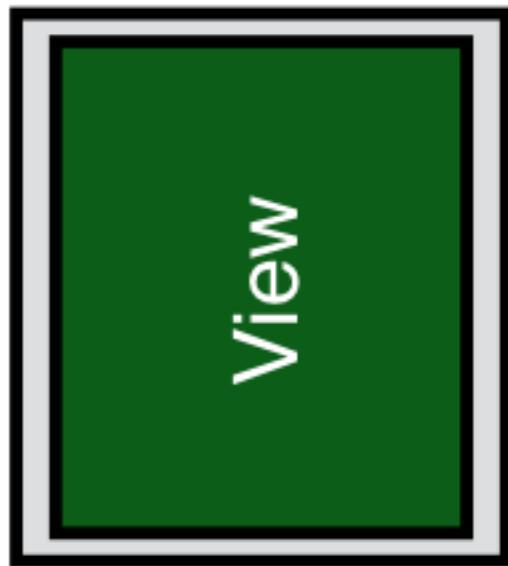
EMBEDDING LAYOUTS

# EMBEDDING IN SCROLL VIEWS



# EMBEDDING IN SCROLL VIEWS

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View Controller



# EMBEDDING IN SCROLL VIEWS

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View Controller



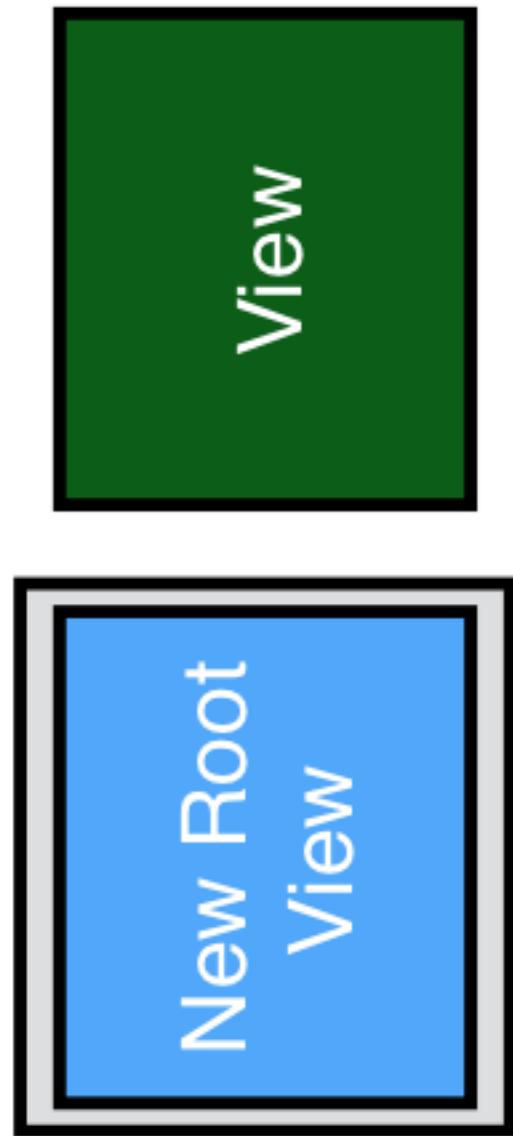
# EMBEDDING IN SCROLL VIEWS

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# EMBEDDING IN SCROLL VIEWS

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# EMBEDDING IN SCROLL VIEWS

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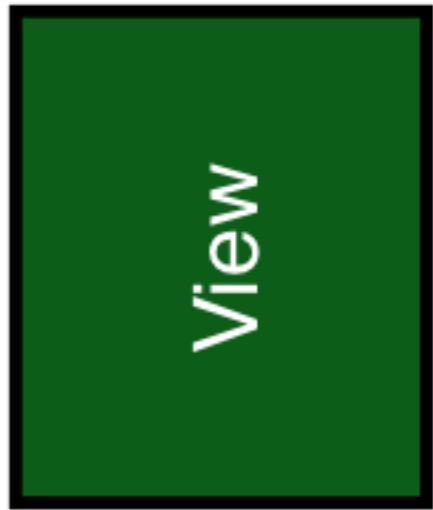


View Controller



# EMBEDDING IN SCROLL VIEWS

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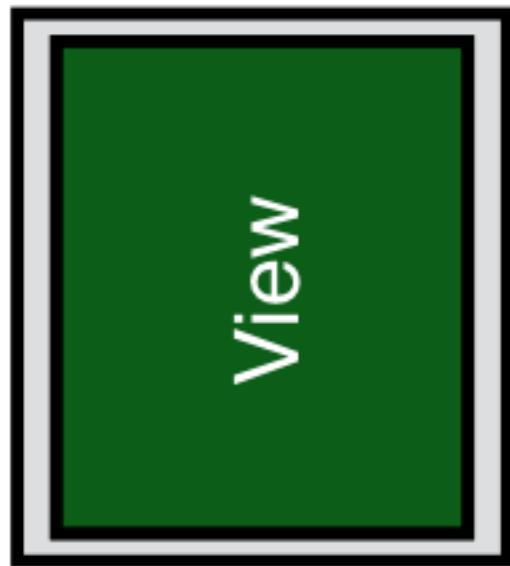


View Controller



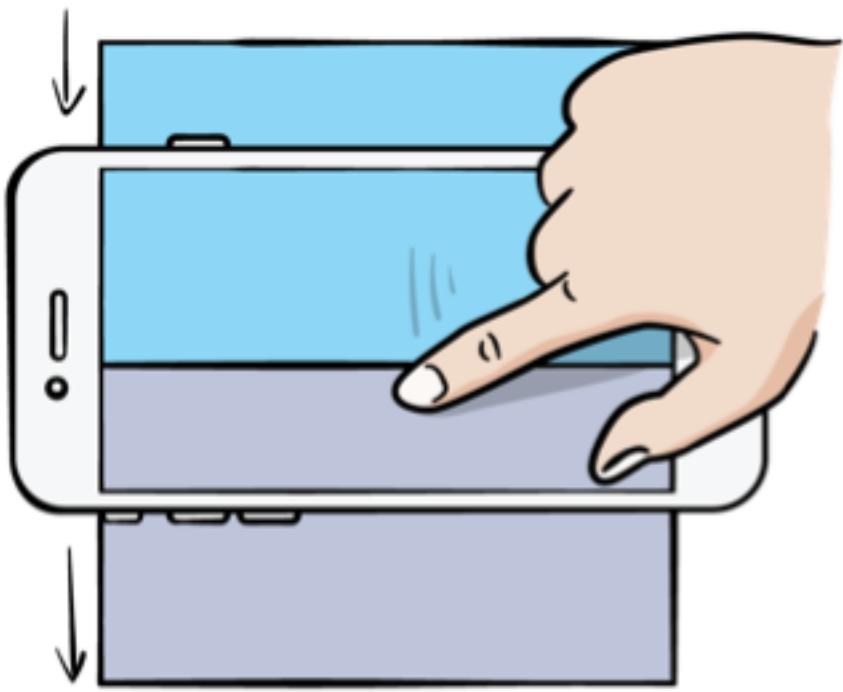
# EMBEDDING IN SCROLL VIEWS

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View Controller





# SCROLL VIEW

## SCHOOL

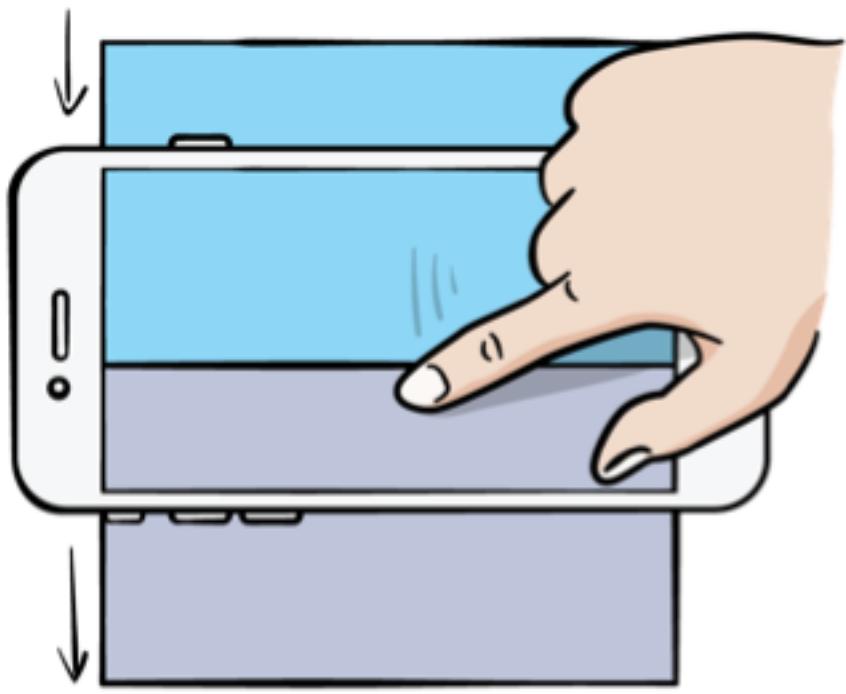
### SECTION 2

INTERMEDIATE SCROLL VIEWS

NESTING SCROLL VIEWS

# CONTAINER VIEWS





# SCROLL VIEW SCHOOL

## SECTION 2

INTERMEDIATE SCROLL VIEWS

CONTENT INSETS

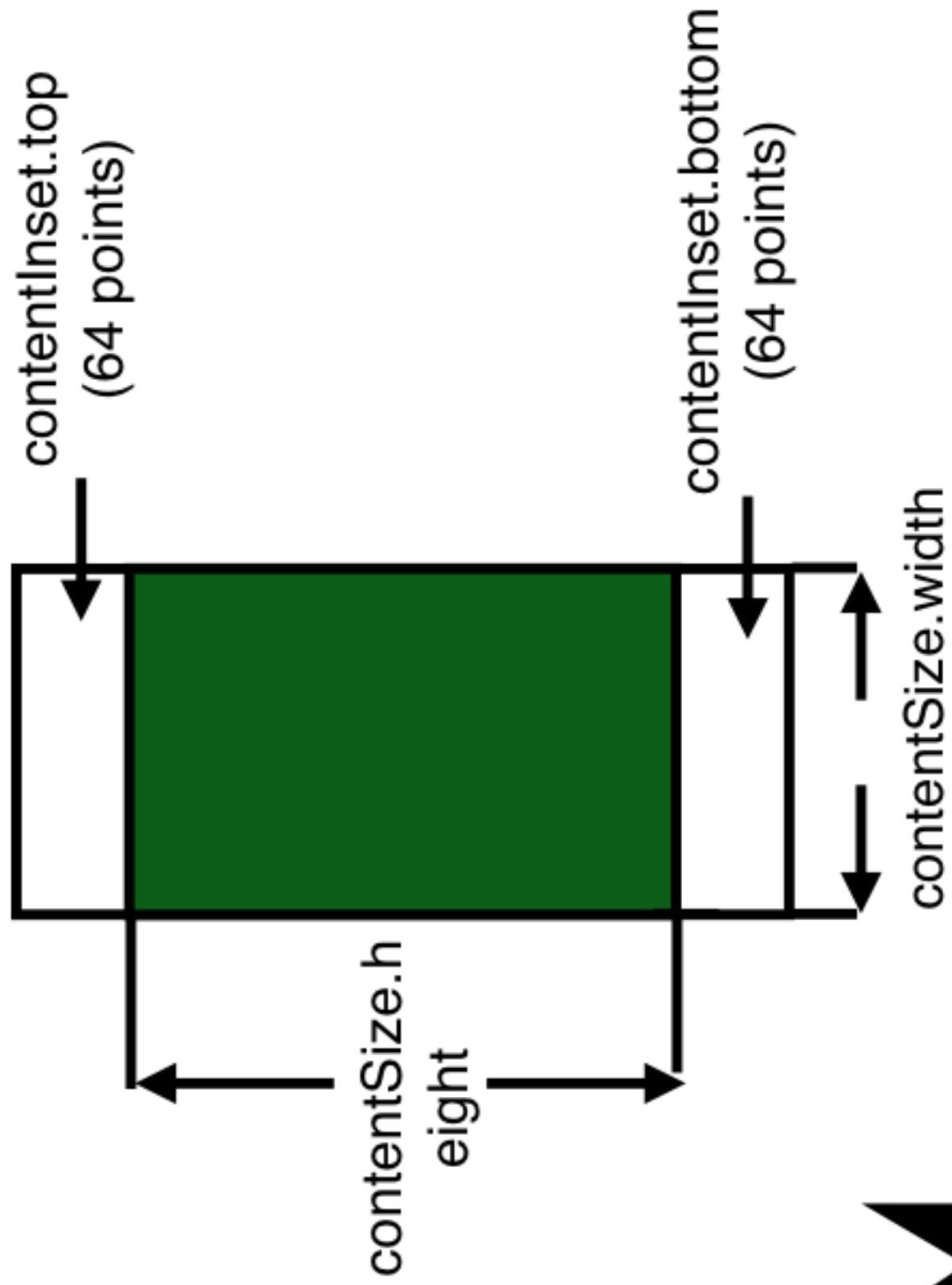
# CONTENT INSETS

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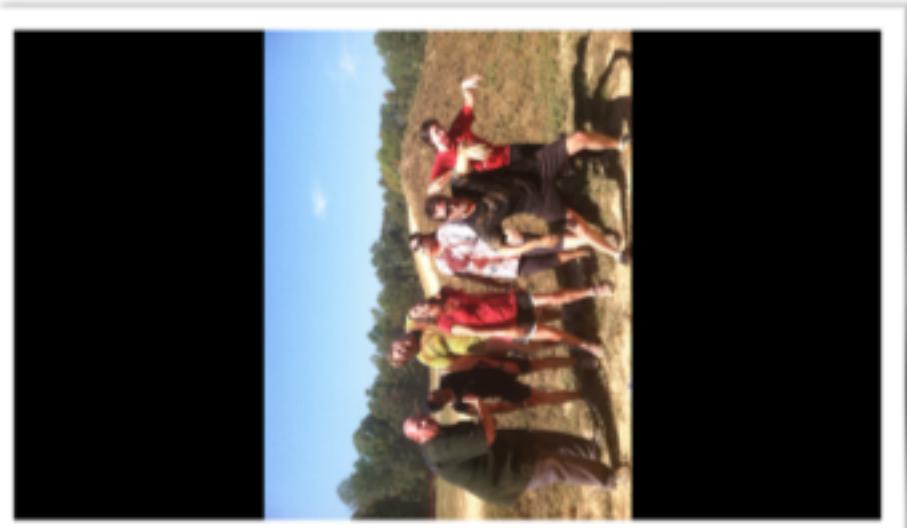
- Adds “padding” to scrollable content
- Top, bottom, left, right (in points)
- Good to leave room for toolbars, etc



# CONTENT INSETS



# WHY CONTENT INSETS



Carrier ↘ 5:52 PM About

# FELIPE

Felipe is a happy pink Mexican bird.  
Help him get through the desert!

About Us

**Mike**  
A +

**Ray**  
Photo: [www.flickr.com](http://www.flickr.com)

Carrier ↘ 5:54 PM About

# FELIPE

Like us on Facebook

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Q W E R T Y U I O P  
A S D F G H J K L  
Z X C V B N M  
← →  
123 ☺ space Go



# INTERFACE BUILDER OPTIONS

Layout  **Adjust Scroll View Insets**

Hide Bottom Bar on Push

Resize View From NIB

Use Full Screen (Deprecated)

Extend Edges  Under Top Bars

Under Bottom Bars

Under Opaque Bars

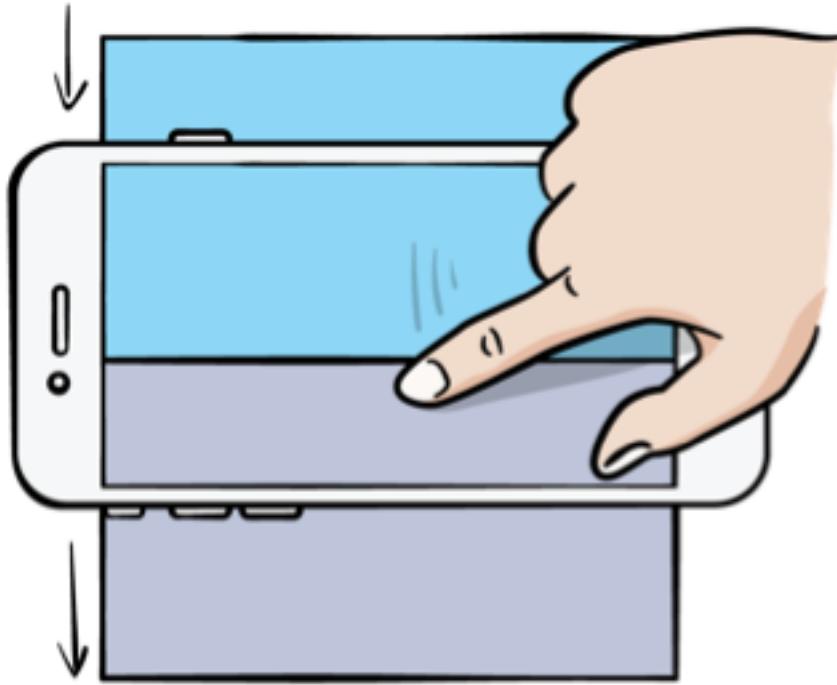


# SCROLL VIEW

## SCHOOL

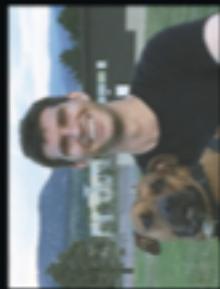
### SECTION 2

#### INTERMEDIATE SCROLL VIEWS



CHALLENGE: ADDING SCROLL VIEW INSERTS

raywenderlich.com Team



# CHALLENGE

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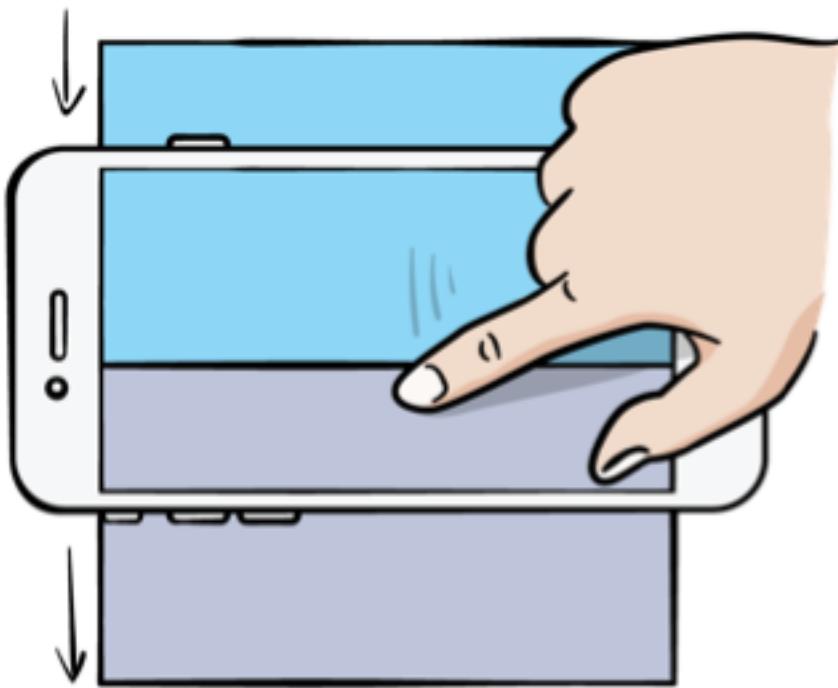
- Add 20 points of padding above the scroll view content and beneath the scroll view content.



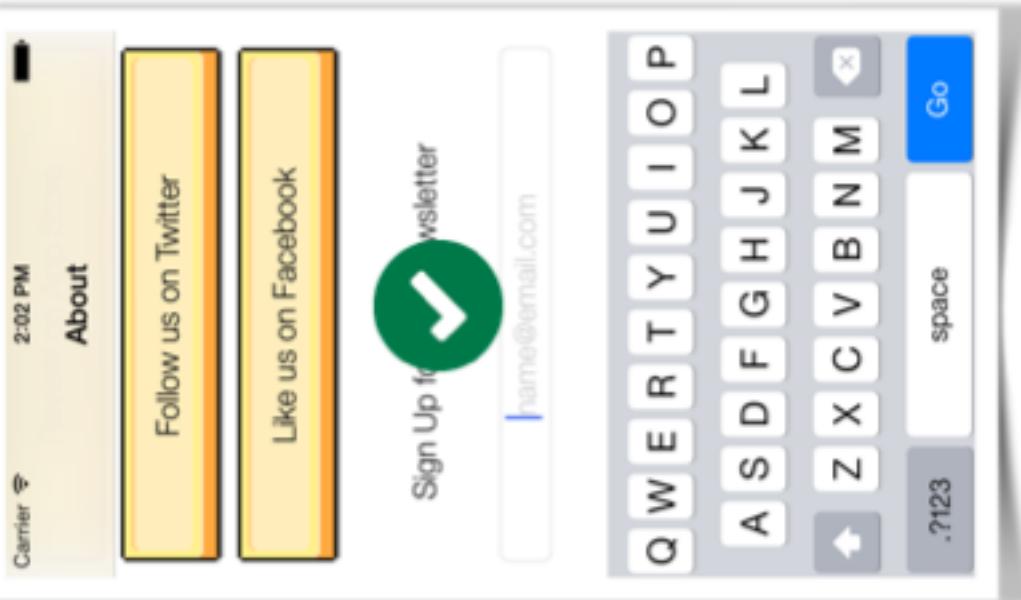
# SCROLL VIEW SCHOOL

## SECTION 2

### INTERMEDIATE SCROLL VIEWS



KEYBOARD INSERTS



# KEYBOARD NOTIFICATIONS

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- \* **Register for notifications**

- \* UIKeyboardWillShowNotification
- \* UIKeyboardWillHideNotification

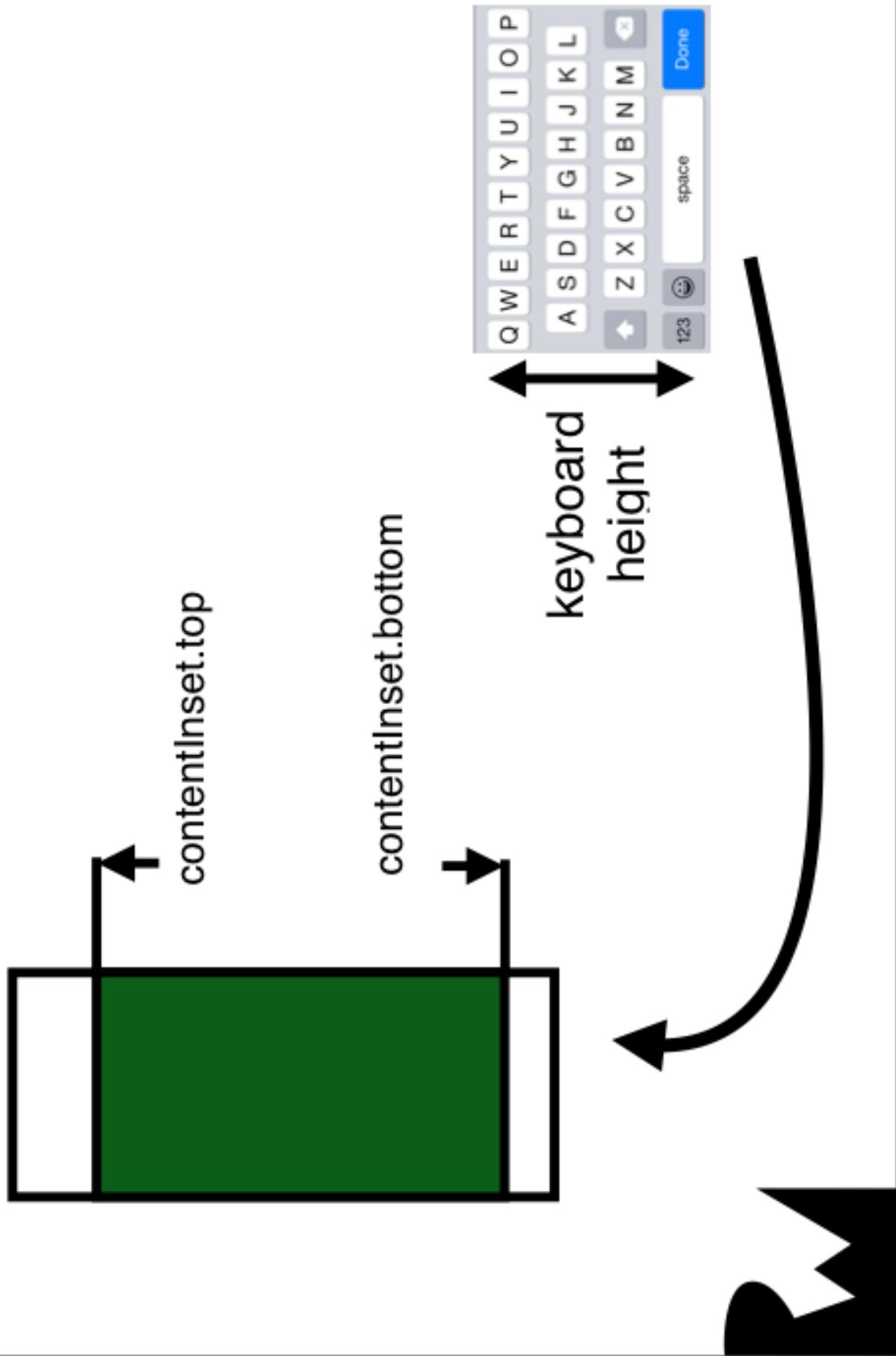
- \* **Notification userInfo:**

- \* UIKeyboardFrameBeginUserInfoKey
- \* UIKeyboardAnimationDurationUserInfoKey
- \* UIKeyboardAnimationCurveUserInfoKey



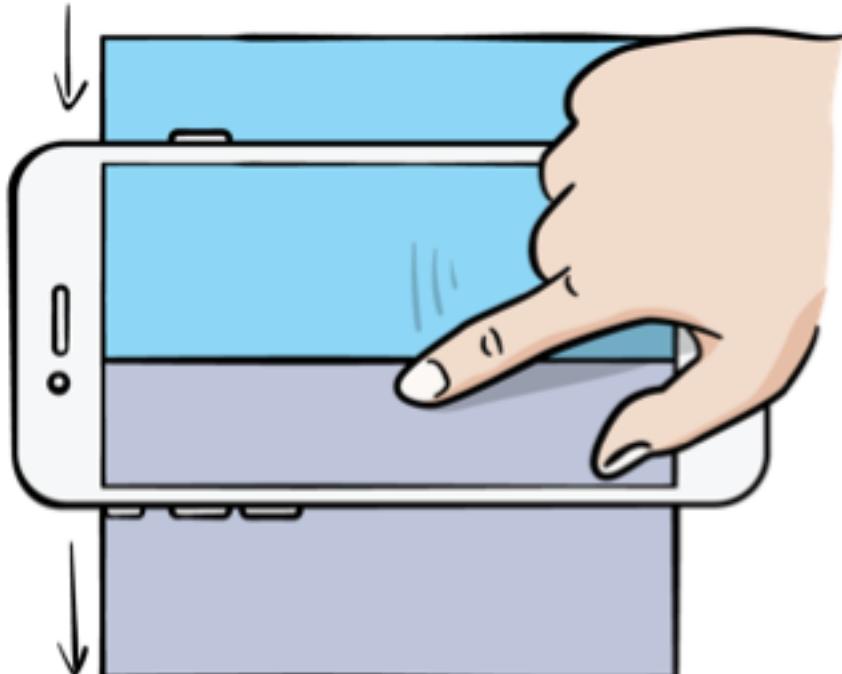
KEYBOARD NOTIFICATIONS

# KEYBOARD INSETS



# SCROLL VIEW SCHOOL

## SECTION 2



INTERMEDIATE SCROLL VIEWS

CHALLENGE: ADDING KEYBOARD INSERT



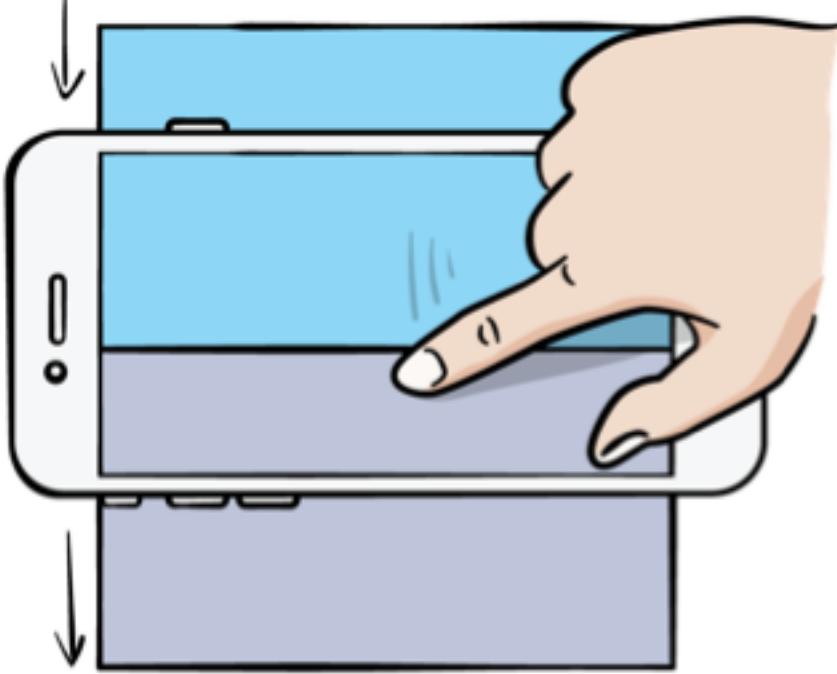
CHAI | ENGINE

- Write code to adjust the insets based on the keyboard frame.
  - Keyboard notifications have already been setup.



# SCROLL VIEW SCHOOL

## SECTION 2

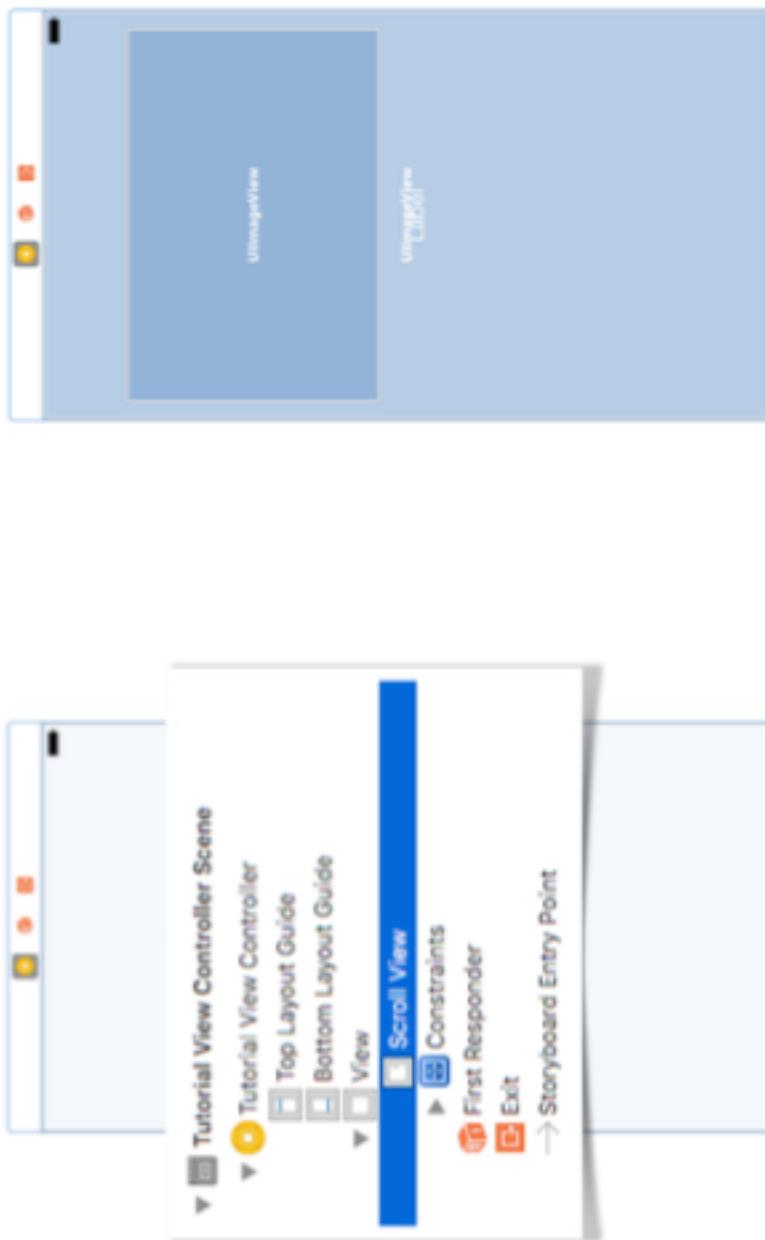


INTERMEDIATE SCROLL VIEWS

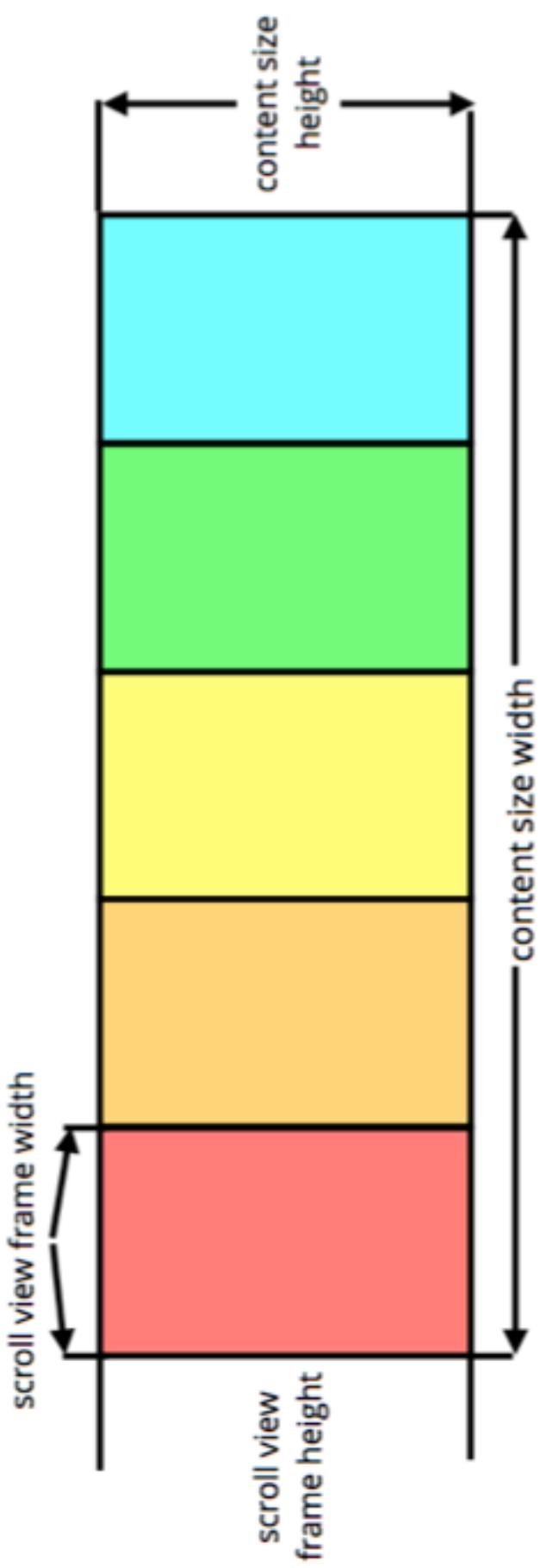
PAGING SCROLL VIEWS

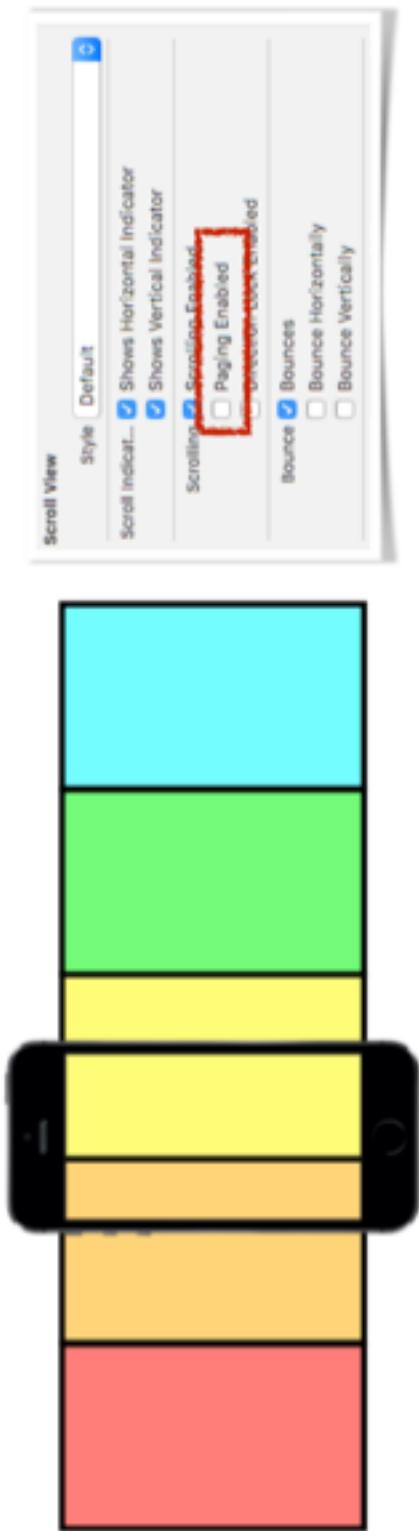
STARTER VIEW CONTROLLERS

# PAGE METRICS



# PAGING SCROLL VIEWS



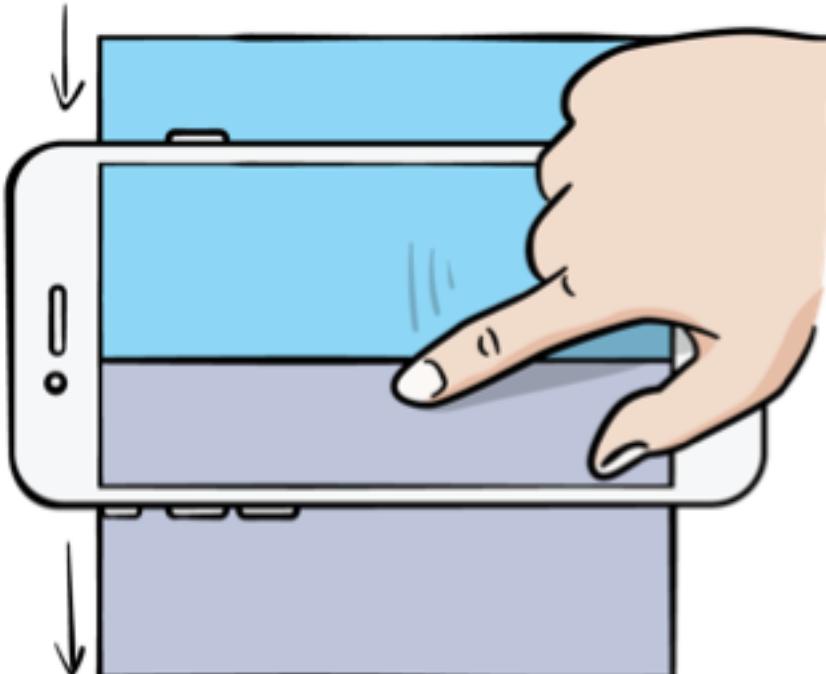


`scrollView.pagingEnabled = true`



# SCROLL VIEW

## SCHOOL



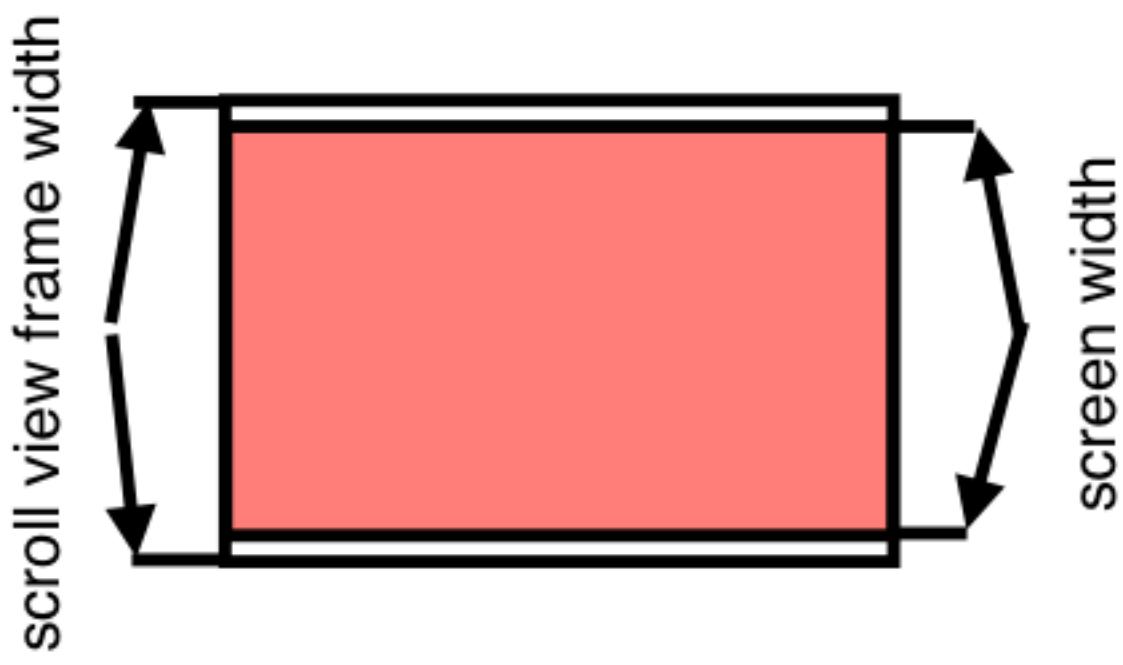
SECTION 2

INTERMEDIATE SCROLL VIEWS



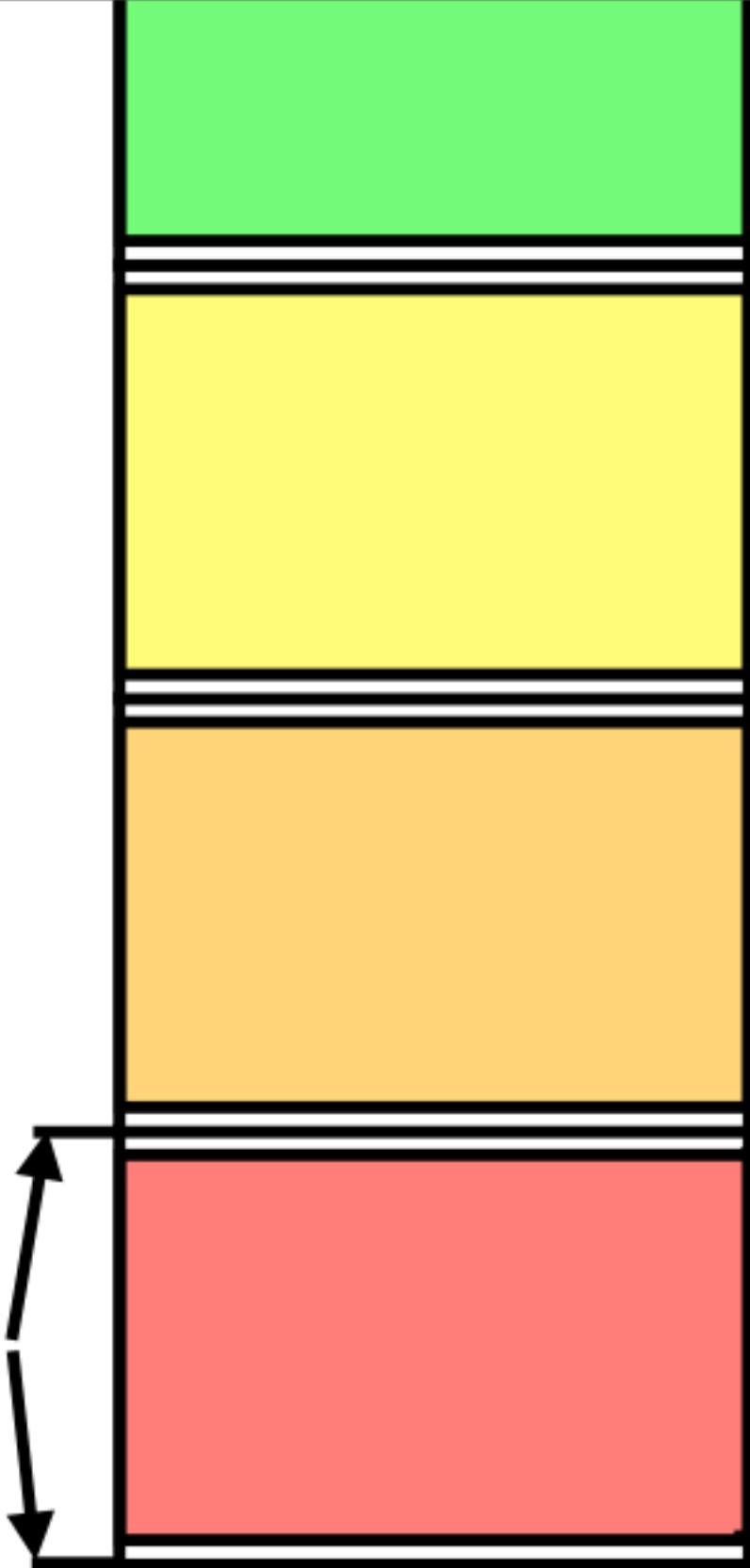
GAPS BETWEEN PAGES

# GAPS BETWEEN PAGES

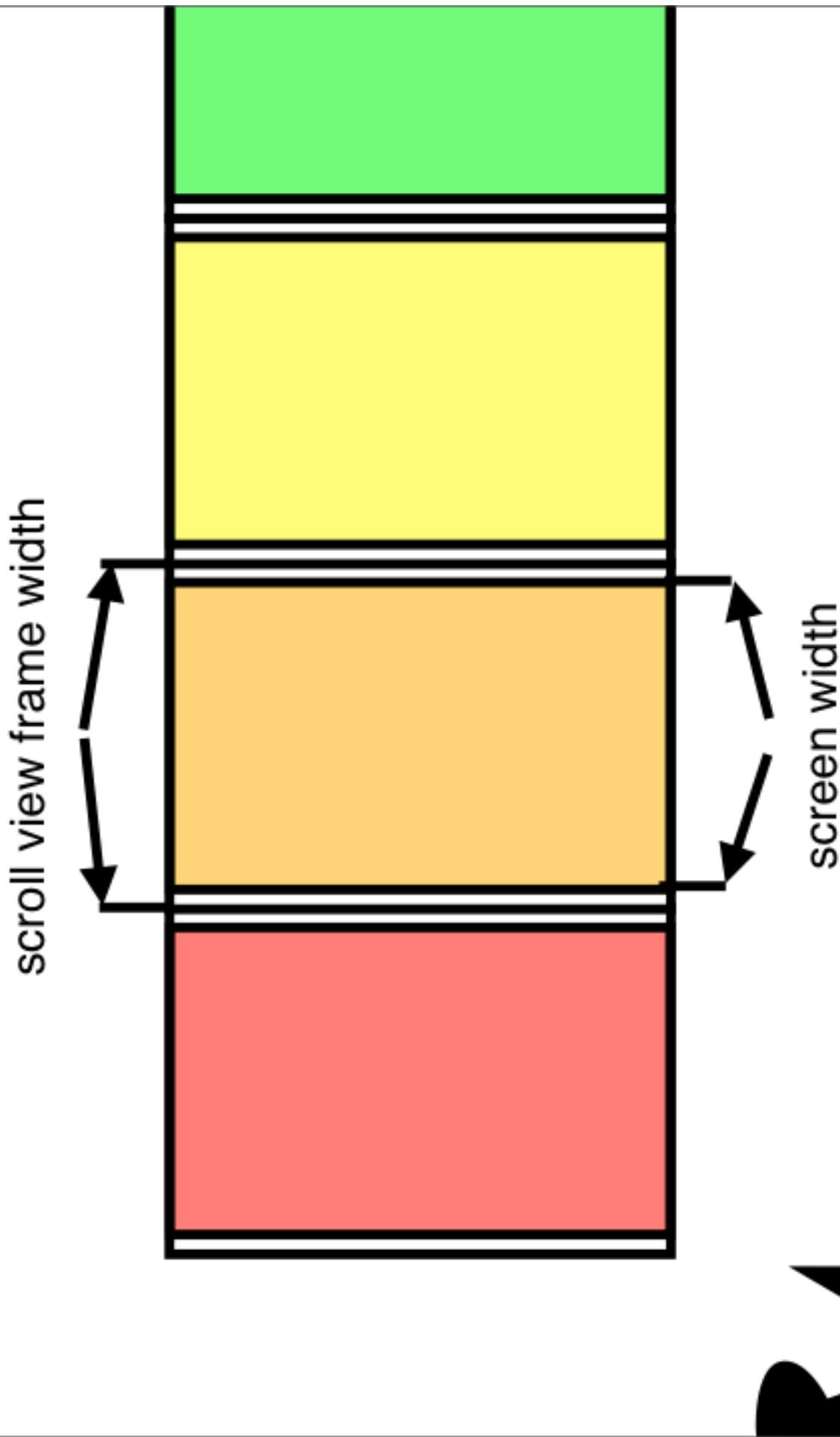


# GAPS BETWEEN PAGES

scroll view frame width



# UIPAGECONTROL



- **Important Properties:**

- `numberOfProperties`

- `currentPage`

- **To calculate current page:**

- `round(contentOffsetX / contentWidth)`

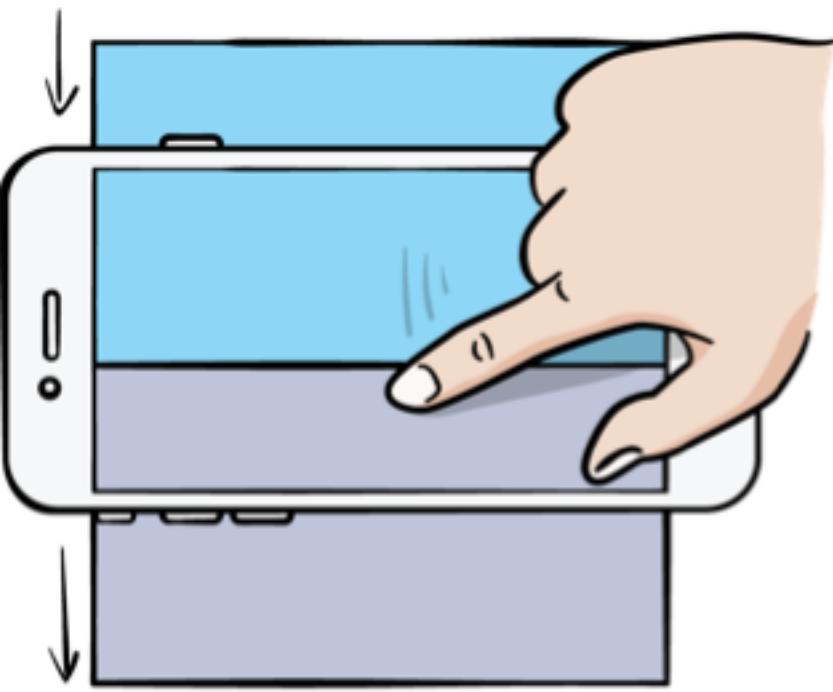


CCCDOL

# SCROLL VIEW SCHOOL

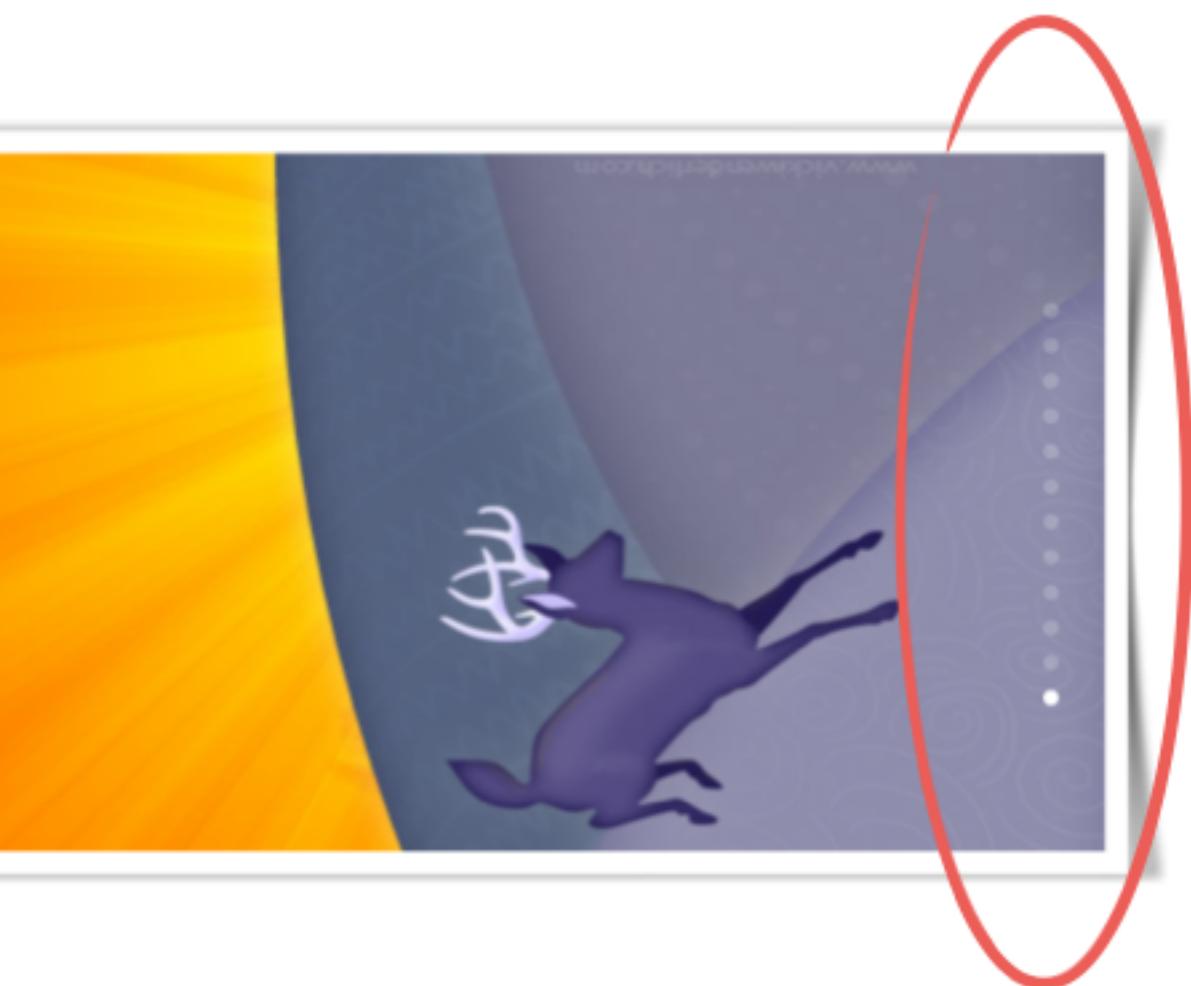
## SECTION 2

### INTERMEDIATE SCROLL VIEWS



CHALLENGE: ADDING A PAGING CONTROL

# CHALLENGE



- ★ Write code to display the amount of pages in the page control.
- ★ Write code to update the page control every time the user scrolls.

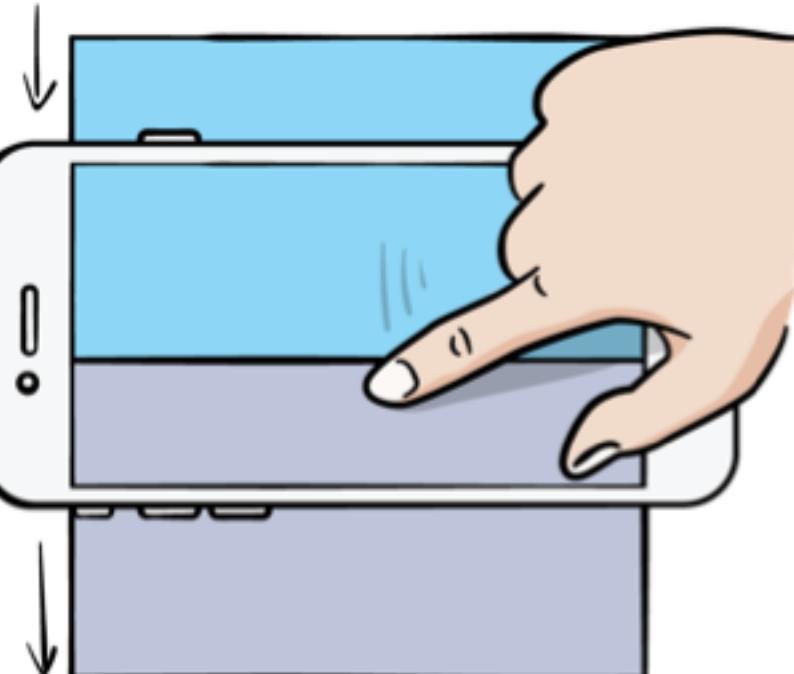


CCCDOL

# SCHOOL VIEW

## SCHOOL

### SECTION 2



INTERMEDIATE SCROLL VIEWS

