

# SIZE CLASSES

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## LESSON

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# LEARNING OBJECTIVES

- + **Apply** Size Classes to create scalable designs
- + **Create** Designs suitable for both iPhones and iPads
- + **Create** automatically resizing table cells



10 mins



**RECREATE THIS**  
**EXACTLY AS SEEN**  
**USE AUTO LAYOUT**

## LESSON

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**RUN IT ON AN IPAD**

# SIZE CLASSES

## LESSON

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# SIZE CLASS

A SIZE CLASS IDENTIFIES A RELATIVE  
**AMOUNT OF DISPLAY SPACE** FOR THE  
HEIGHT AND WIDTH.

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**SIZE CLASSES**

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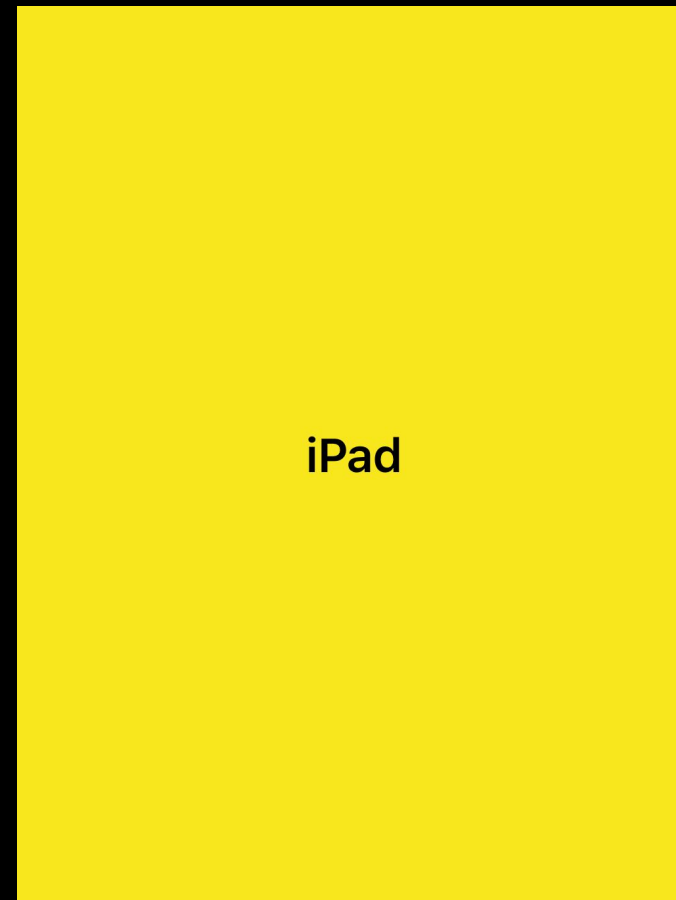
**3 FACTORS**

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## SIZE CLASSES

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# SCREEN SIZE





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**SIZE CLASSES**

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# ORIENTATION



**Portrait**



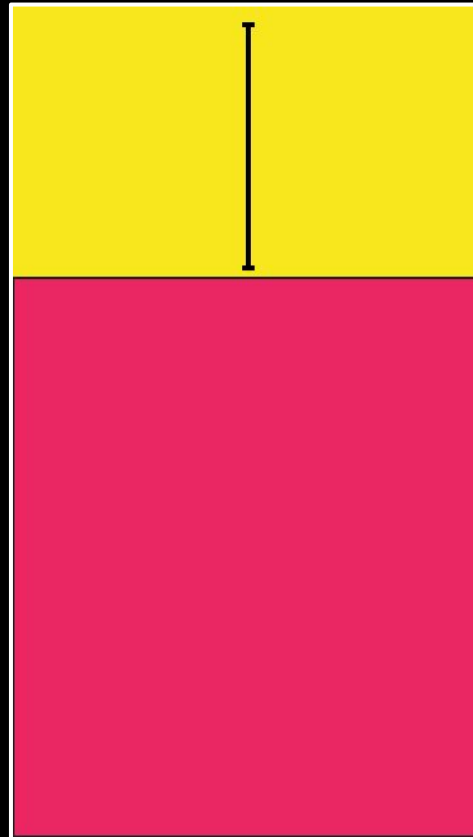
**Landscape**

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## SIZE CLASSES

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# AVAILABLE SPACE



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**SIZE CLASSES**

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**SCREEN SIZES**

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## **SIZE CLASSES**

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**HEIGHT AND WIDTH CAN BE EITHER  
COMPACT OR REGULAR SIZE**

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## **SIZE CLASSES**

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**REFERS TO THE AVAILABLE SCREEN  
SPACE**

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## **SIZE CLASSES**

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**COMPACT**

**iPhone**

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## SIZE CLASSES

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**REGULAR**

**iPad**

# ACTIVITY: WIDTH/HEIGHT (Compact or Regular)



2 mins

DEVICE	PORTRAIT	LANDSCAPE
iPhone SE	Compact/Compact	
iPhone 7		
iPhone 7 Plus		
iPad		



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# ANSWERS

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DEVICE	PORTRAIT	LANDSCAPE
iPhone SE	Compact/Compact	Compact/Compact
iPhone 7	Compact/Compact	Compact/Compact
iPhone 7 Plus	Compact/Compact	Regular/Compact
iPad	Regular/Regular	Regular/Regular

**DEMO**

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# FOLLOW-ALONG

USING SIZE CLASSES

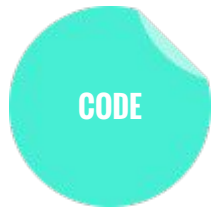
**DEMO**

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**FOLLOW-ALONG**

**CONDITIONAL FONT SIZES**

# PRACTICE: USE SIZE CLASSES



**10 mins**

## DIRECTIONS

1. Fix the opening problem by making the label take only 30% width on an iPad
2. Increase the font size

## DELIVERABLES

A Storyboard with your answers

# AUTOSIZING CELLS

**DEMO**

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# FOLLOW-ALONG

AUTO-RESIZING TABLE CELLS

# PRACTICE: AUTOSIZING CELLS



CODE

**15 mins**

## DIRECTIONS

1. Create cells with a full-size image backdrop
  - a. Must use a single prototype cell
  - b. 300 points tall on the iPad
  - c. 260 points tall on iPhone
2. Add a TextView on top of the image with variable length text.
  - a. Some cells show 2 lines, other show 10 lines

## DELIVERABLES

A Storyboard with your answers

# TAKEAWAYS



## TAKEAWAYS

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**SIZE CLASSES PROVIDE AN EASY  
WAY TO CREATE ADAPTIVE  
DESIGNS**

## TAKEAWAYS

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**SIZE CLASSES SAVE YOU FROM  
WRITING DEVICE-SPECIFIC CODE**

**BEST PRACTICES**

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## **BEST PRACTICES**

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**ANSWER LAYOUT QUESTIONS  
DURING THE DESIGN PHASE**

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## **BEST PRACTICES**

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**USE SIZE CLASSES IF YOU PLAN TO  
CREATE CROSS-PLATFORM APPS**

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## BEST PRACTICES

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**USE AUTO-SIZING CELLS FOR  
FLEXIBLE TABLE DESIGNS**

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## BEST PRACTICES

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**WATCH THIS**

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**THANKS!**

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## **WELLINGTON MORENO**

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# FOR INSTRUCTOR PURPOSES ONLY

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## MATERIALS

- + [Lab](#)
- + [Lesson Plan](#)
- + Lesson Starter Code