

# ADVANCED VIEW CONTROLLERS

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## **ADVANCED VIEW CONTROLLERS**

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# **LEARNING OBJECTIVES**

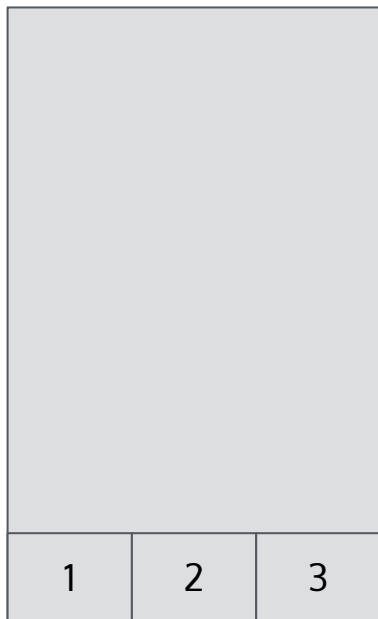
- + Use a Tab Bar Controller
- + Use a Page View Controller
- + Use a Collection View Controller

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## ADVANCED VIEW CONTROLLERS

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# TAB BAR CONTROLLER



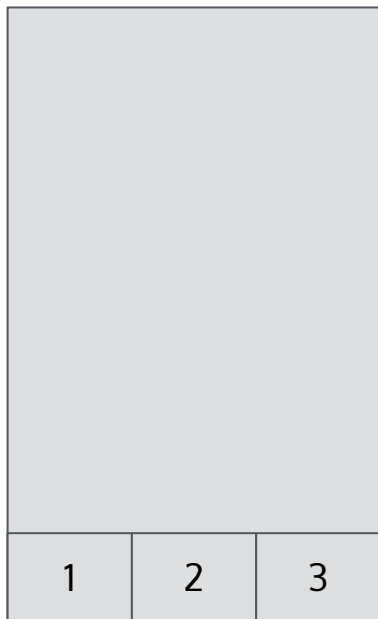
Tab bar controllers contain other view controllers, like navigation controllers.

Unlike navigation controllers, tab bar controllers let the user navigate to any of its children view controllers with the touch of a tab.

## ADVANCED VIEW CONTROLLERS

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# TAB BAR CONTROLLER



Practice:

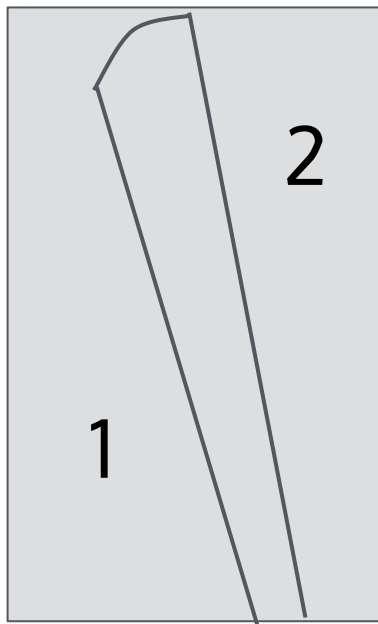
- 1) Create a tab bar controller in your storyboard.
- 2) Configure the tab bar controller to have three child view controllers: one with a green background, one with a blue background and one with an orange background.
- 3) Manually test in the simulator.

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# PAGE VIEW CONTROLLER



Page view controllers allow users to flip from page to page. Each page is a view controller.

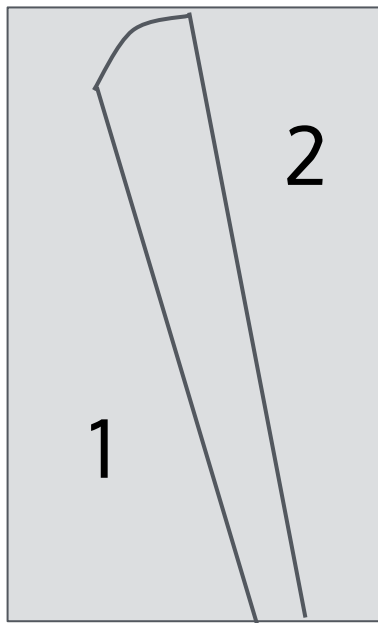
The transition between controllers can be animated as the turning of a page or a simple slide.

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# PAGE VIEW CONTROLLER



Practice:

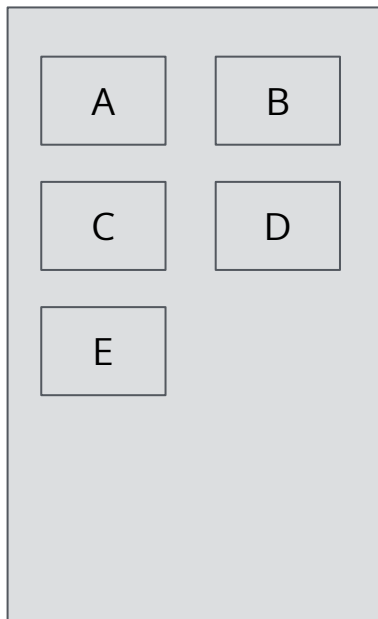
- 1) Subclass `UIPageViewController`.
- 2) Configure your page view controller subclass to page through three view controllers in this order: one with a green background, one with a blue background, one with an orange background.
- 3) Manually test in the simulator.

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# COLLECTION VIEW CONTROLLER



Collection view controllers are a more flexible take on table view controllers.

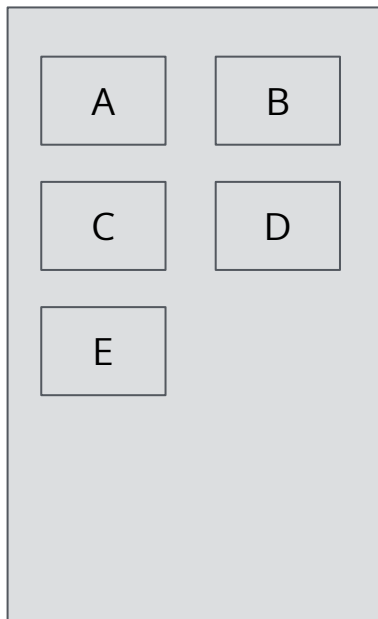
Instead of mandating vertically scrolling, wide-as-the-container cells, collection views arrange items in a scrollable grid. A collection view controller devotes the whole screen to a collection view.

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# COLLECTION VIEW CONTROLLER



Practice:

- 1) Subclass `UICollectionViewController`.
- 2) Subclass `UICollectionViewCell`.
- 3) Configure your subclasses so that your collection view controller displays 20 cells, each displaying a different number.
- 4) Manually test in the simulator.