

View Controllers

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What we'll learn today

- Segues
- Modal presentation
- Navigation controller
- Push/pop transition
- Tab bar controller

Segues

- Defines a transition from one view controller to another
- Created in Interface Builder by connecting the start and end points
- You can trigger segues programmatically
- Defines the presentation method of the view controller.

Modal presentation

- A new view controller is placed on top of the previous one
- On small screen, it appears full screen
- On large screens, you can customise it to be a popover, form sheet or full screen presentation
- Can use an unwind segue to allow the user to dismiss the new view controller

Demo

Navigation Controllers

- Manage the stack of view controllers
- Provide animations when navigating between related views
- Every navigation controller has a root view controller

Demo

What we learned so far

- Segues
- Modal presentation
- Navigation Controller
- Navigation Items
- Passing information between view controllers
- Perform segues programmatically

Tab Bar Controllers

- Allow you to arrange your app according to distinct modes or sections
- Have a tab bar view which runs along the bottom of the screen
- Each tab can contain its own independent navigation hierarchy
- Have a property called `viewControllers` to keep track of all the root view controllers displayed

Download images from here:

[https://github.com/costescv/
ViewControllersWorkshop](https://github.com/costescv/ViewControllersWorkshop)

Demo

The More View Controller

- A special view controller that lists the view controllers that don't fit on the tab bar
- Can't be customised or selected
- Doesn't appear in the viewControllers list of the tab bar controller
- Appears only when needed

What we learned

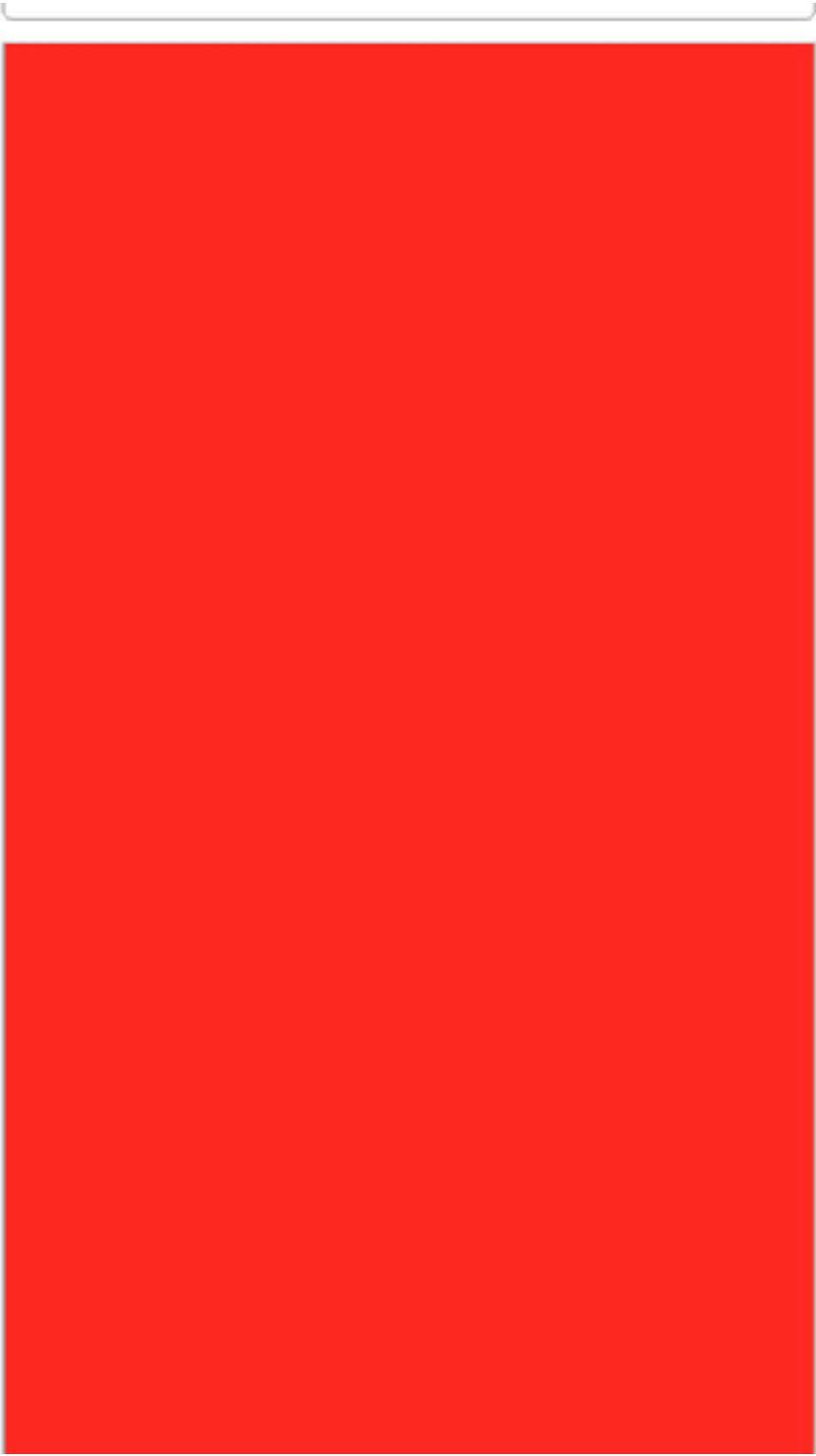
- Tab Bar Items
- Customising Tab Bar Items (in IB and programmatically)
- The More View Controller

Challenge

Create a login screen that will pass a user name between view controllers.

You'll have a text field for username and one for password and a login button. If the user pressed login, a new view controller will be displayed and its title will be the username entered on the previous screen.

You also have two buttons for forgot username and forgot password. When tapped, the title of the view controller that is displayed should be "Forgot Username" or "Forgot Password"

[Forgot Password?](#)

Homework

From the App Development with Swift book, do the guided project “Personality Quiz” at the end of Unit 3.