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**iOS DESIGN
PATTERNS**
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PART 9: CONTAINER VIEWS

WHAT'S WRONG HERE?

Your Home	Bedrooms?	Bathrooms?	Other rooms?	Kitchen size?	Square footage?
					
Please tell us about your home.	3 Bedrooms [-] [+]	2 Bathrooms [-] [+]	1 Other Rooms [-] [+]	An average-size kitchen Small Medium Large	2,000 ft ² [Slider]
Next	Next	Next	Next	Next	Next

Correct Answer:
No one's house is that clean!

AND ALSO...

The image shows a horizontal sequence of six form panels, each representing a step in a home information collection process. Each panel has a title, a representative image, and a 'Next' button at the bottom.

- Panel 1:** Title 'Your Home', image of a house, text 'Please tell us about your home.', and a 'Next' button.
- Panel 2:** Title 'Bedrooms?', image of a bedroom, text '3 Bedrooms' with a '- +' slider, and a 'Next' button.
- Panel 3:** Title 'Bathrooms?', image of a bathtub, text '2 Bathrooms' with a '- +' slider, and a 'Next' button.
- Panel 4:** Title 'Other rooms?', image of a living room, text '1 Other Rooms' with a '- +' slider, and a 'Next' button.
- Panel 5:** Title 'Kitchen size?', image of a kitchen, text 'An average-size kitchen' with 'Small', 'Medium' (selected), and 'Large' buttons, and a 'Next' button.
- Panel 6:** Title 'Square footage?', image of a dining room, text '2,000 ft²' with a slider, and a 'Next' button.

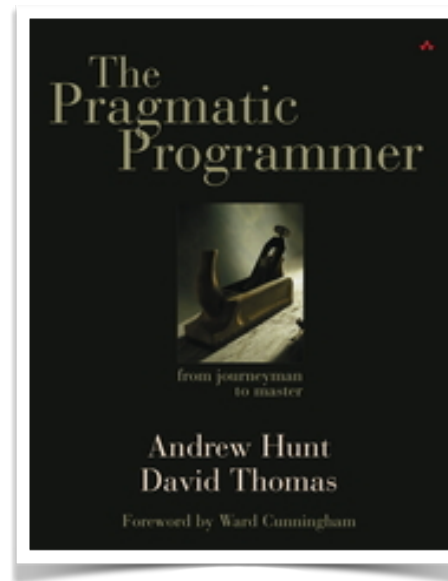
Red arrows point from the text below to the 'Next' buttons of the second, third, and fourth panels, highlighting that these steps are identical in structure and content, thus violating the DRY principle.

Exactly the same!
We've violated DRY!

WHAT IS DRY?

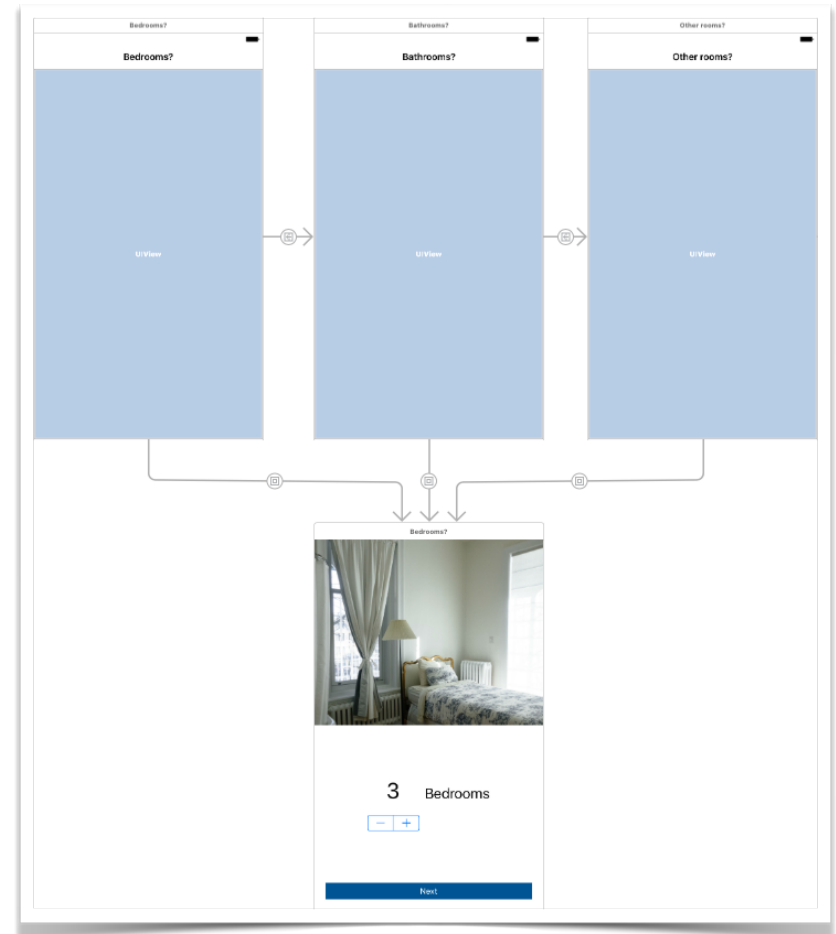
<https://pragprog.com/book/tpp/the-pragmatic-programmer>

Don't
Repeat
Yourself



HOW CAN WE FIX THE UI DUPLICATION?

- ⚙️ Xcode scenes can't be shared across classes
- ⚙️ Xibs can be shared but lose segues
- ⚙️ **Container Views!**



DEMO

- ⚙️ Eliminate UI duplication using storyboard scenes
- ⚙️ Create **RoomCountContainer-ViewController**
- ⚙️ Update **Bedroom, Bathroom** and **OtherRoomCountViewController**



CHALLENGE TIME!

⚙ Continue onto the next video

