

# Advanced Storyboards Usage

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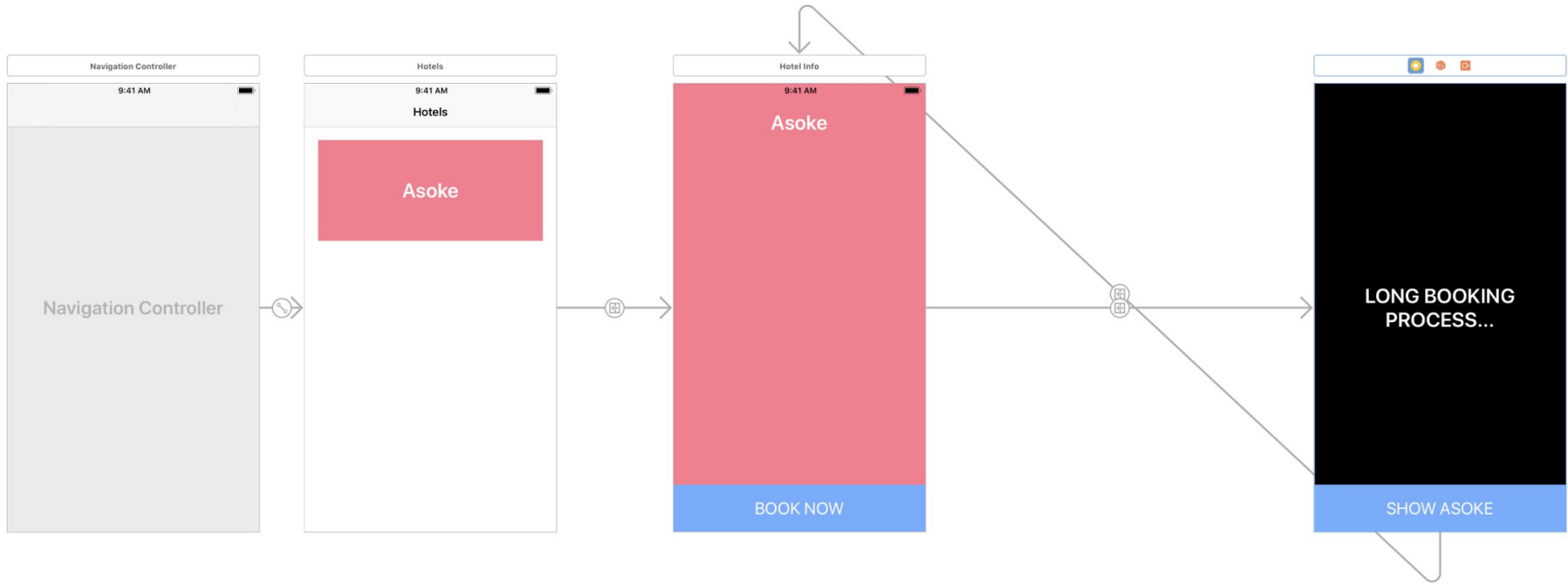
## What's this project about

- How to make routing with storyboards
- How to remove main cons of using storyboard s

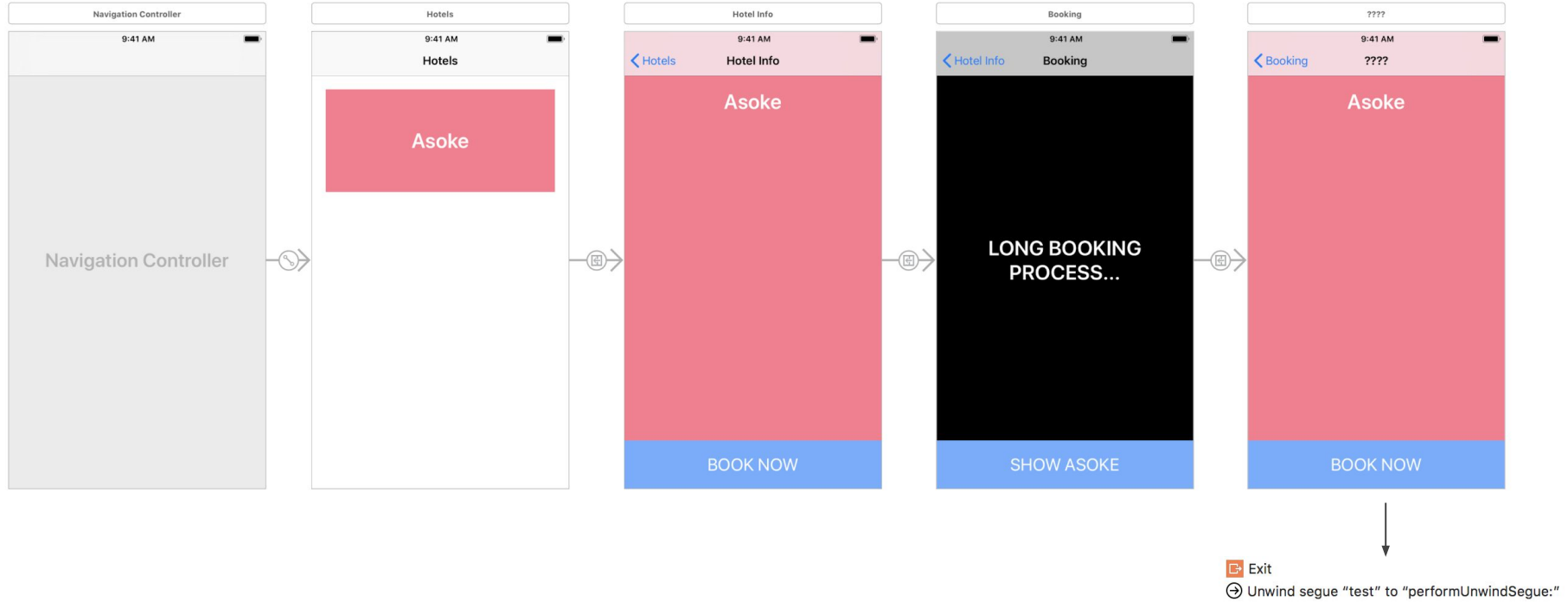
## Storyboard Main Cons

- Merge conflicts
- Data flows
- Bad reusability

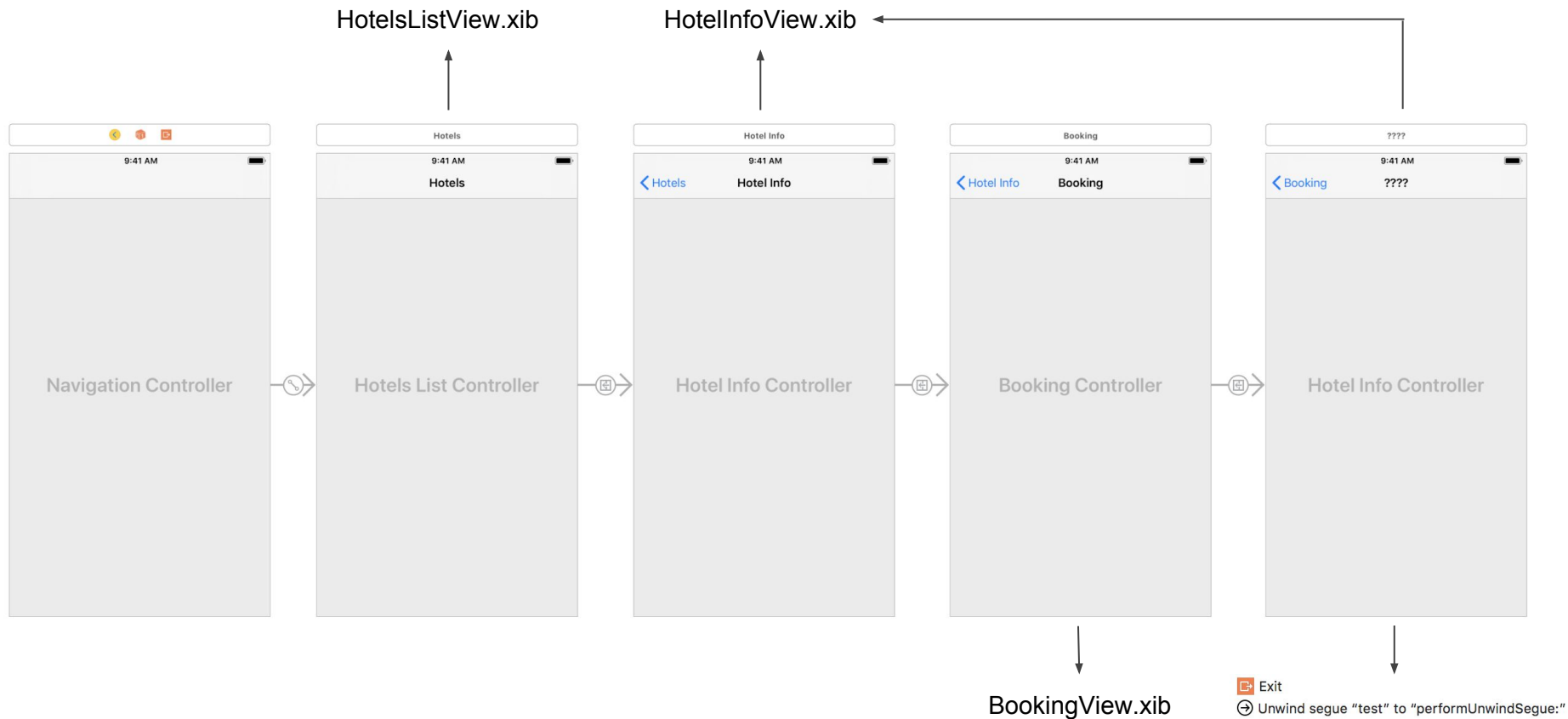
# Bad Reusability



# Bad Reusability



# Move views to xibs



How it works?

????

## How it works?



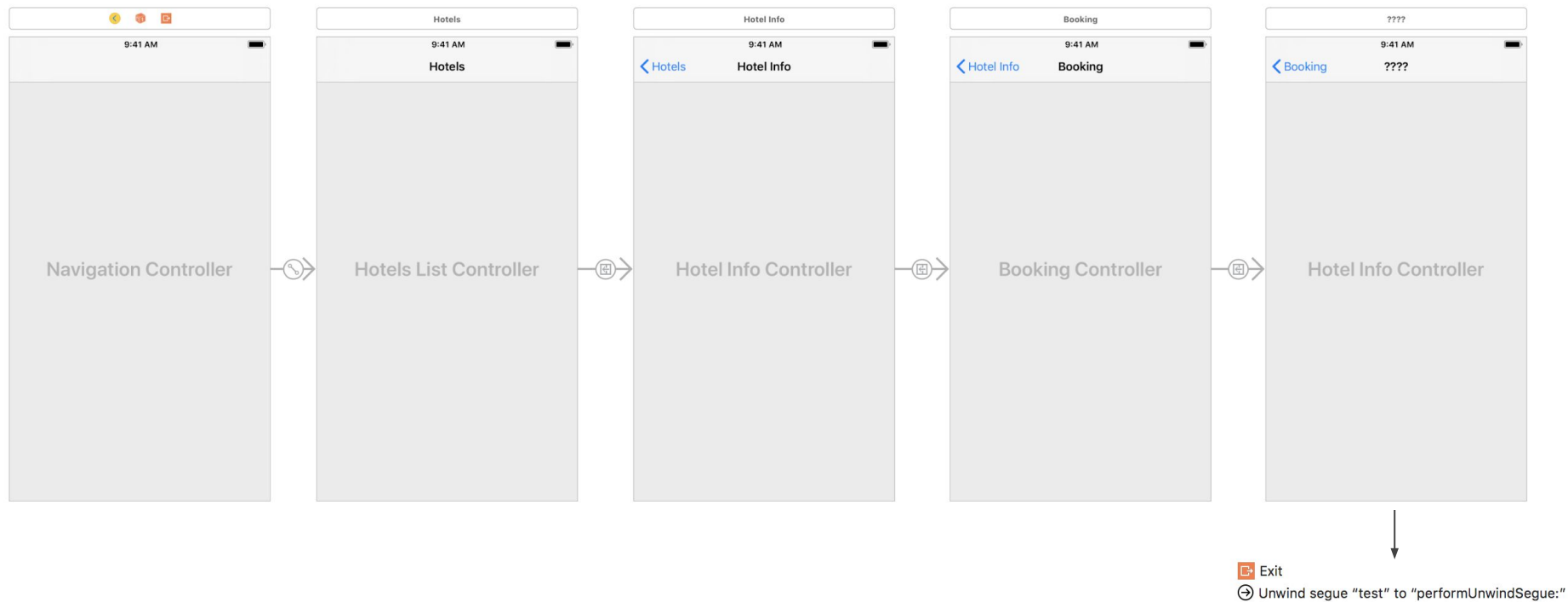
```
//This does all job
open class UIViewController : UIResponder, ... {
    ...
    //Equals nil at the beginning
    open var view: UIView!

    //Name without 'Controller' word (e.g HotelInfoView)
    //In other case name equals to class (e.g HotelInfoViewController)
    open var nibName: String? { get }

    //Invoked because of view == nil
    //Tries to load view from NIB with nibName
    open func loadView()
    ...
}
```



# How are segues triggered?



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**Storyboard Segue**

Identifier

Class  ▾

Module  ▾

☐ Inherit Module From Target

Kind  ▾

☒ Animates


+


```
class BookingViewController: UIViewController {  
  
    @IBAction func showHotelButtonTapped(_ sender: UIButton) {  
        performSegue(withIdentifier: "showHotelSegue", sender: nil)  
    }  
}
```

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```
class BookingViewController: UIViewController {  
  
    @IBAction func showHotelButtonTapped(_ sender: UIButton) {  
        performAppropriateSegue()  
    }  
}  
  
extension UIViewController {  
  
    func performAppropriateSegue(_ identifier: String = #function, sender: Any? = nil) {  
        performSegue(withIdentifier: identifier, sender: sender)  
    }  
}
```

# Summary

## Pros

- Routing is visible
- Flows are dynamic
- Merge conflicts going to 0
- Single responsibility

## Cons

- Still need to call one line of code to perform segues
- Data flows (Fixable)

## Next steps

- Create good data flow mechanism
- Use with deep linking

Native technologies  
were created for a  
purpose, it's up to us  
to find it

# Thanks!

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