Navigation and Segues

Mobile Application Development in iOS

School of EECS

Washington State University

Instructor: Larry Holder
Outline

• Navigation controller

• Segues

• Application templates
  – Master-detail
  – Page-based
  – Tabbed
Navigation Controller

- Method 1
  - Add View Controller
  - Editor -> Embed In -> Navigation Controller
  - Add more Views (use deprecated Push segue (bug))

- Method
  - Add Navigation Controller
Segues

• Transition from one view to another
• `prepareForSegue (View1 ➔ View2)`
  – Transfer data from View1 to View2
• `unwindFromSegue (View2 ➔ View1)`
  – Transfer data from View2 to View1
  – Does not work with container (e.g. Navigation Controller)
Prepare for Segue
Prepare for Segue

```
// P1ViewController.m
// NavTest

#import "P1ViewController.h"
#import "P2ViewController.h"

@implementation P1ViewController
...
- (void) prepareForSegue: (UIStoryboardSegue *) segue sender:(id) sender {
    if ([[segue identifier] isEqualToString:@"p1p2"]){
        NSLog(@"Segue from Page 1 to Page 2");
        P2ViewController *controller = (P2ViewController *)[segue destinationViewController];
        controller.variable = value;
    }
}
@end

Note: Only the controller class is loaded prior to segue, not the view elements.
```
Unwind Segues
Unwind Segue

// P1ViewController.m
// NavTest

#import "P1ViewController.h"
#import "P2ViewController.h"

@implementation P1ViewController
...
-(IBAction)prepareForUnwindFromPage2:(UIStoryboardSegue *)segue {
    NSLog(@"Unwind from Page 2 to Page 1");
    P2ViewController *controller = (P2ViewController *)[segue sourceViewController];
    _localVariable = controller.variable;
}
@end
iOS Application Templates

Choose a template for your new project:

- Master-Detail Application
- Page-Based Application
- Single View Application
- Tabbed Application
- Game
- Page-Based Application

This template provides a starting point for a page-based application that uses a page view controller.

Cancel  Previous  Next
Navigation and Segues

• Simple navigation handled in Storyboard

• More complex navigation requires programmatic approach

• Either way, Segues handle the transfer of data