



Computing & Information Sciences
FLORIDA INTERNATIONAL UNIVERSITY

Mobile Application Development

lecture12

Fall 2011 - COP 4655 U1

T/R 5:00 - 6:15pm – ECS 134

Steve Luis

Agenda

- Web View
- Alert View
- Switching Views



Web View: UIWebView class

- Mobile Safari Engine
- Load and interact with web pages
- Define a frame, URL, other options...
- Define a delegate
- Make load request
- See UI WebView Class Reference
- Review UICatalog Sample Code
- Notice WebViewController.nib

Alert View: UIAlertView Class

- Creates a special view which requires the user's attention to select a button. Think notification.
- Set the title, message, and delegate of an alert view and configure the buttons.
- Set delegate if you are going to process buttons.
- Send message "show" to activate view.
- Consider how Alert View is different from other UIKit UI elements.
- Demo with SwitchViewController

Switching Views Between Controllers

- Establish a “Root Controller” which will coordinate switching between multiple views
- Use a toolbar button to toggle between Content Controller: View Controllers Yellow and Blue and their views.
- Use “Lazy Loading” to create the controllers only when needed then attach and display.
- Consider the role of the .nib and the switch view controller.
- See demo

Programming Assignment #5

Pin Browser: Browse the web by pin number.

Develop a root controller and content controllers that will allow a user to:

1. Enter a four digit pin which will activate a Web View that displays an associated web page.
2. Create a toolbar which associates a unique button to each view: Pin Entry View, a Browser View, List View, and Pin Edit View. Use the button names: Pin, Browser, List, Edit. User can switch views as any time using these buttons.
3. Pin Entry View accepts a four digit pin from 0-9 using UIButtons (Recall Outlet Collections lab to implement). If the user enters the wrong pin an Alert View appears to inform the user to try again. When the user enters a correct pin, the Browser View displays the associated web page.
4. Browser View displays the url associated with the pin in a Web view.
5. List View displays a list of up to 10 pins and associated URLs that are stored in a NSDictionary.
6. Edit View allow the user to enter a new pin/url association or overwrite an existing one. Define a subclass of the Pin View which adds a UITextField the user can use to enter a URL.
7. See assignment posting for final specs.
8. Assignment is due Tues. Nov. 8th at 11pm. Individual assignments only.

Readings

- **Apple Developers Library:**
 - View Controller Programming Guide for IOS
 - Introduction to WebKit Objective-C Programming Guide
 - Text, Web, and Editing Programming Guide for IOS
 - All related reference classes (UIAlertView, etc..)
- **Complete by Nov. 8th**