



**Computing & Information Sciences**  
FLORIDA INTERNATIONAL UNIVERSITY

# Mobile Application Development

## lecture15

Spring 2012- COP 4655 U1

M/W 6:25pm – ECS 138

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# Agenda

- Tab Bars
- Pickers



# Tab Bar

- UITabBarController
- Allows user to select a view from group of corresponding icons on the bottom bar.
- Each bar button is associated with a view controller/view.
- You can customize the buttons or use pre-selects
- Consider the Tab Bar as the root controller and each view as content controllers.
- There is a Xcode template you can use!
- Demo: Build the template

# Picker

- UIDatePicker – Variety of ways to pick date and time.
- UIPickerView- Provide a data source and delegate. Choose orientation
- Pickers don't hold data they use data source and delegate methods to fill UI elements.
- Data source and delegate are typically the same.
- Data is provided in a lazy loading fashion.
- <UIPickerViewDelegate>  
<UIPickerViewDataSource>

# Demo

- Date Picker
- Single Component Picker
- Multi Component Picker
- Dependent Components
- Custom Picker w/ Images

# Readings

- Apple Developers Library:
  - UIPickerView
  - UIDatePicker
  - UITabBar
- Review Conway, Chapter 7
- Complete by March 26<sup>th</sup>
- Quiz Monday March 26th