



Computing & Information Sciences
FLORIDA INTERNATIONAL UNIVERSITY

Mobile Application Development

lecture17

Spring 2012 - COP 4655 U1

M/W 6:25pm– ECS 138

Steve Luis

Agenda

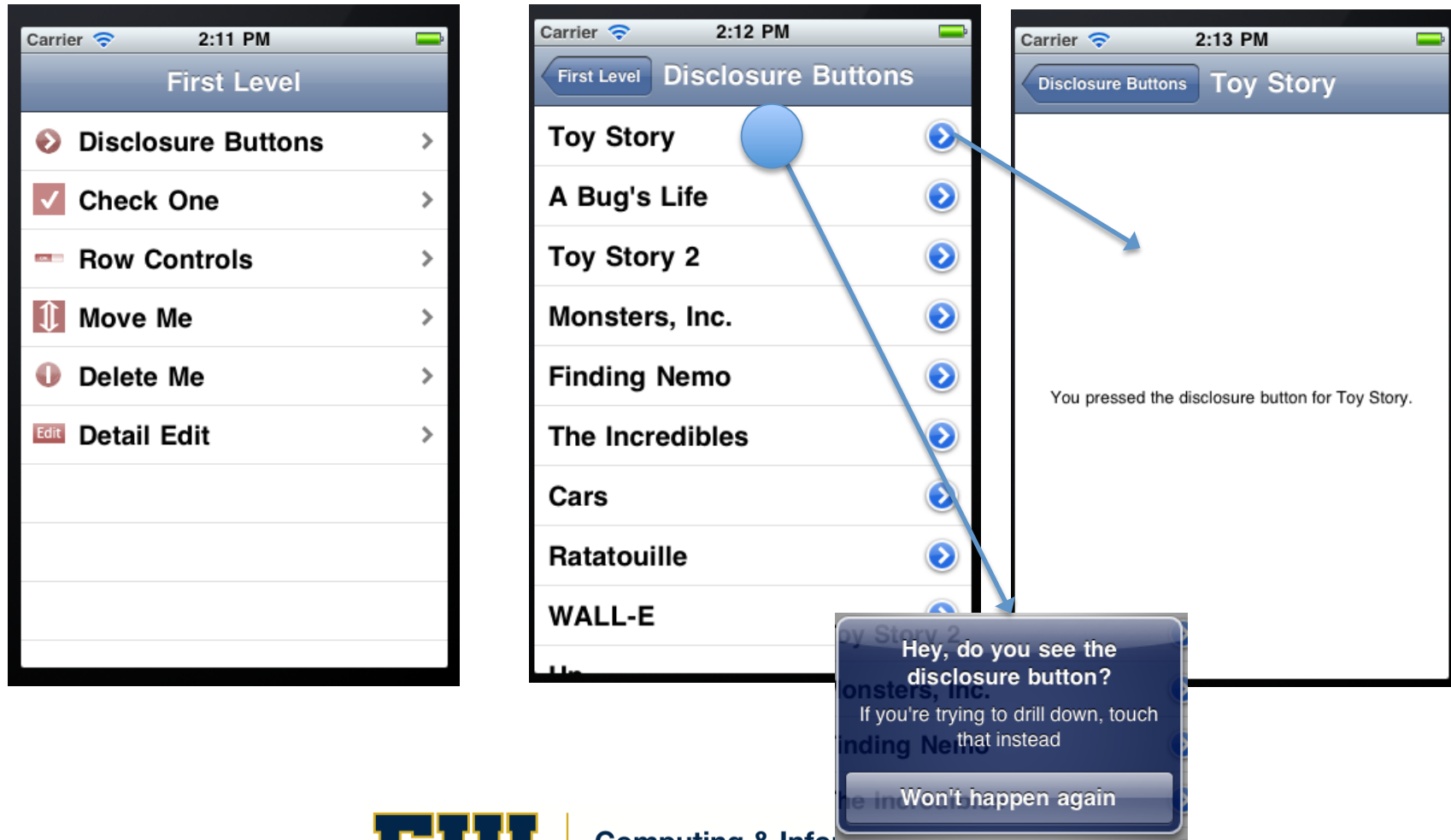
- Table Views with Sections
- Navigation Controllers

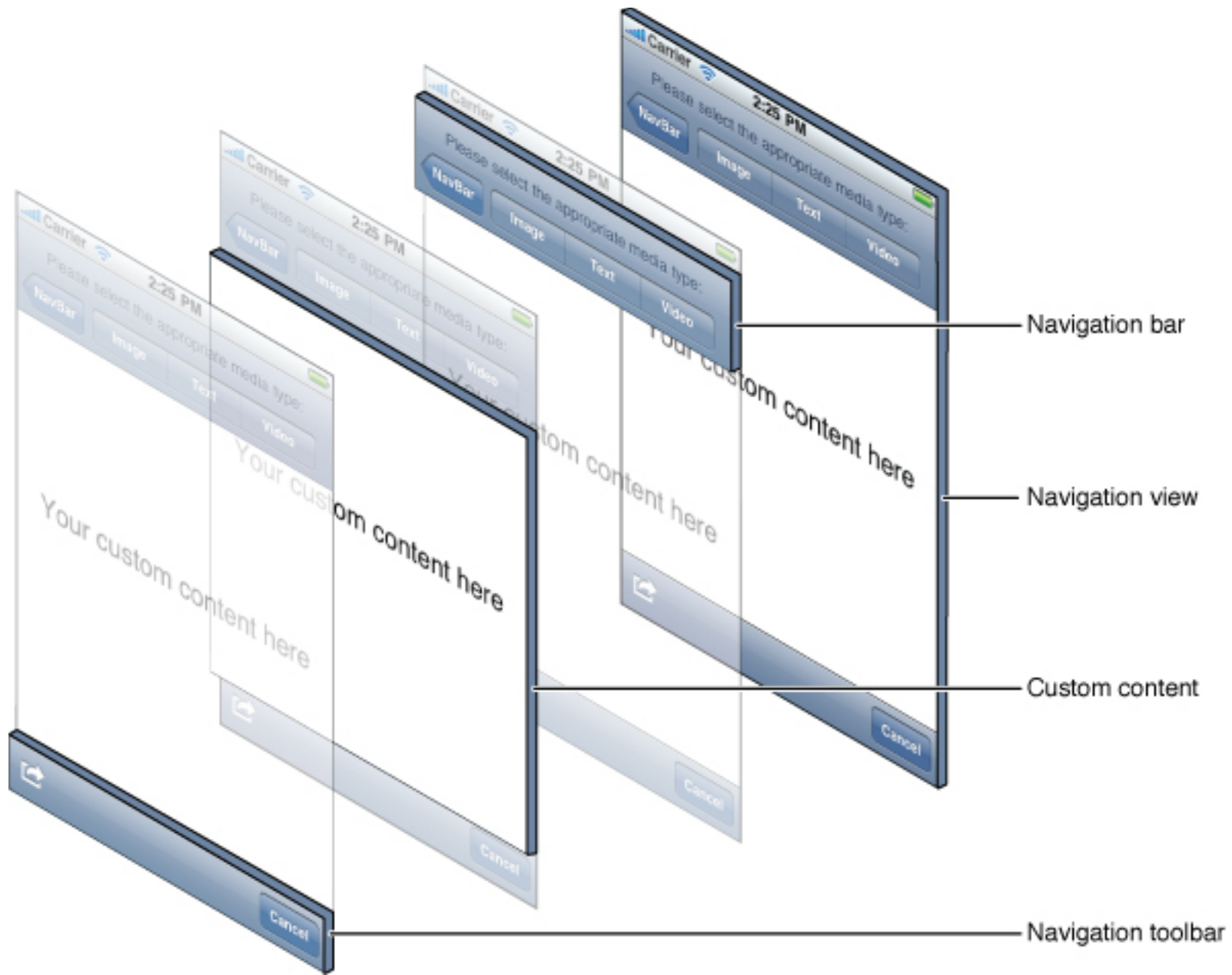


Navigation Controllers

- Manage the presentation of hierarchical data.
- Coordinates the navigation between different view hierarchies
- You provide the view controllers the Nav. Controller will use.
- Top bar is used to display location in view hierarchy.

Navigation Controllers











Stacking Controllers

- Nav. Controller maintains a stack of view controllers
- As user selects the next view, the new view controller is pushed onto the stack, and its view appears.
- Subcontroller = view controller on stack

Subcontrollers

First Level		
	Disclosure Buttons	>
	Check One	>
	Row Controls	>
	Move Me	>
	Delete Me	>
	Detail Edit	>

Controller Hierarchy

- Use Navigation Controller message: pushViewController to stack controllers starting at second level controller (SLC).
- Navigation Controller (nib)
 - First Level Controller (nib)
 - Disclosure Button Controller (program, Class SLC)
 - Detail View Controller (program, w/nib)

Readings

- Apple Developers Library:
 - View Controller Programming Guide for IOS
 - Navigation Controllers
 - UINavigationController
- Conway Chapter 13
- Quiz Monday April 9th
- Don't forget Monday April 2nd Quiz on last lecture/readings assigned.

Programming Assignment #6

- Address Book Plus
 - Adapt your address book program to use a Navigation and Table view.
1. Create a contact list view using a Table View that allows you to select one contact from an alphabetized list (by last name) of address book contacts. Preload your list with 10 contacts via a plist.
 2. The top navigation bar should have a “+” button which will provide the user with a new contact view. This view will provide the text fields for a new contact: the first, last, address, email, phone number, and birthdate. The birthdate should use a Date picker to select birthdate.
 3. From the contact list view, if you select a contact your Navigation View should provide you with a detail view which displays the appropriate field.
 4. The detail view will list the first, last, address, email, phone number, and birthdate. The top Navigation Bar will have a back button and edit button. The edit button will allow you to edit the contact values which are displayed in a Text field. The birthdate should use a Date picker to select birthdate.
 5. For Extra Credit implement a delete entry function.
 6. Program is due Monday. April 9th at 11pm.