Mobile Application Development

lecture15

Fall 2011 - COP 4655 U1
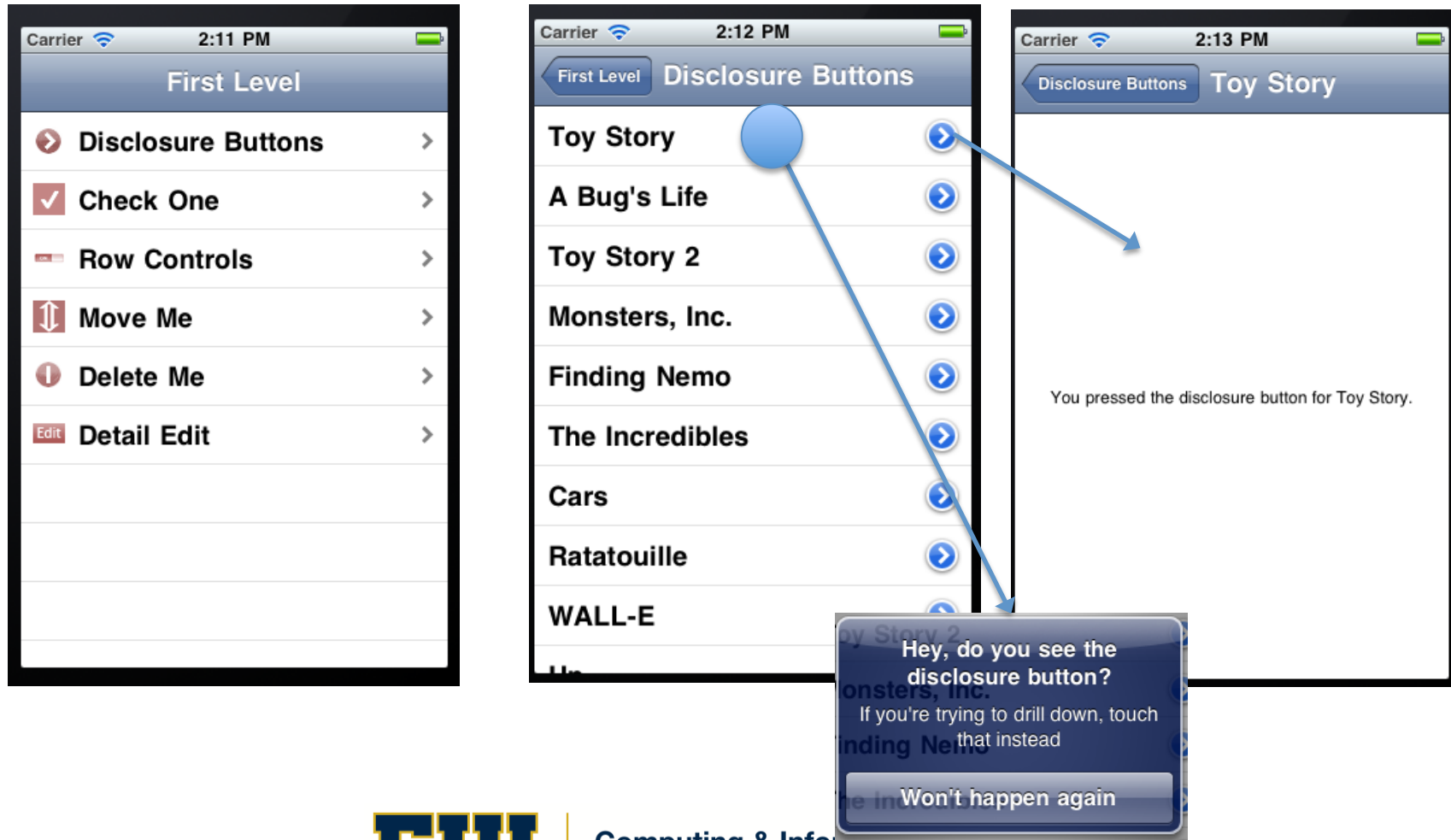
T/R 5:00 - 6:15pm – ECS 134

Steve Luis

Agenda

- Navigation Controllers
- Table Views
- Announcement:
  - Exam 3 held on Dec. 6th from 5-7pm in ECS 134
  - Team projects due: Dec. Thurs Dec. 8th at 11pm.
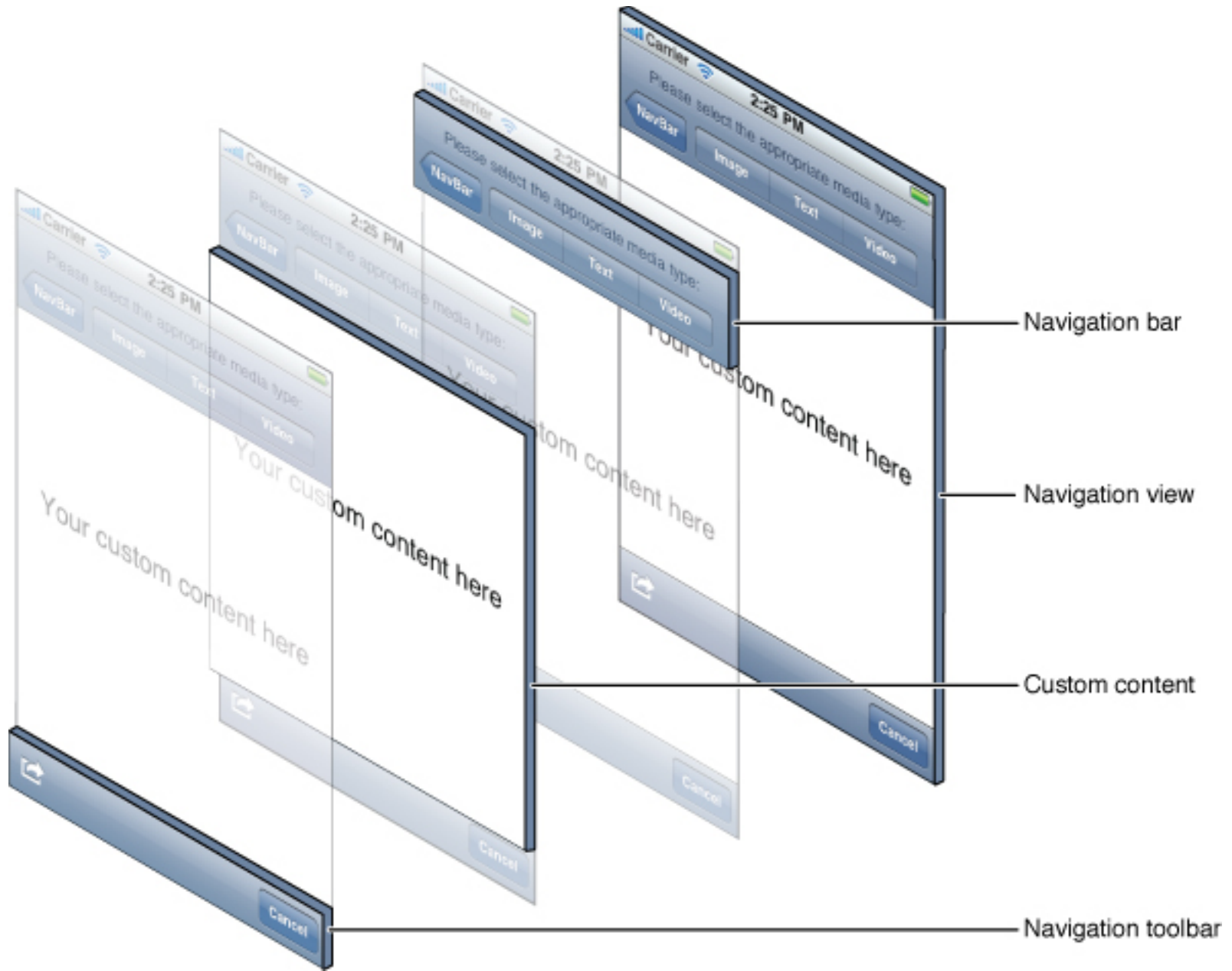 - No Makeups. No extensions.

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Navigation Controllers

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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.

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Navigation bar

Navigation view

Custom content

Navigation toolbar

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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

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Subcontrollers

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Controller Hierarchy

- Use Navigation Controller message: pushView to stack controllers at second level controller (SLC).

- Navigation Controller (nib)
  - First Level Controller (nib)
    - Disclosure Button Controller (program, Class SLC)
      - Detail View Controller (program, w/nib)

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Readings

- Apple Developers Library:
  - View Controller Programming Guide for IOS
    - Navigation Controllers
  - UINavigationController

- Complete by Nov. 22nd

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Programming Assignment #6

- Address Book Plus
- No teams
- Adapt your address book program (#4) to use a Navigation and Table view.

1. Create a <u>contact list view</u> 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 three contacts via a plist.

2. The top navigation bar should have a "+" button which will provide the user with <u>a new contact view</u>. 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 <u>a detail view</u> 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 Tues. Nov. 22nd at 11pm.

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