

Programming Assignment #4

Due Saturday by 11:59pm **Points** 100 **Submitting** a file upload
Available Jun 18 at 12am - Jul 7 at 11:59pm 20 days

Objective: By refactoring a previous assignment students will extend an address book application to use a Navigation Controller and Tableview/TableCell classes providing users with navigation cues and a detail view. Students will implement a camera taking feature (UIImagePickerController) and incorporate a date selection tool: UIDatePicker.

Pre-Reqs: Read chapters 10 -15. Watch lectures 10 - 13 and review the demo code Projects Tableview, Navigation, Pickers, and Camera.

Program Description: Address Book Plus: Adapt your address book program to use a Navigation Controller and Table view.

1. Create a contact list view using a Navigation Controller and Table View that allows you to select one contact from an alphabetized list (by last name) of address book contacts. Create 10 contacts initialized inside your Model Class with a convenience initializer.
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. See figure 1 below.
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 fields.
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 as needed. 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. Implement a delete button which will allow you to select a contact and delete it.
6. Allow the user to take a picture and add it to an address book card entry.
 - Implement an add picture feature on the detail view of the address book entry.
 - Once the picture is taken and stored as part of the address book card a user may retake the picture when in the detail view.
 - Provide an option to the user to view a picture already taken and assigned to the user's address book card when in the detail view.
 - Update your Address Book Model Classes to accommodate the additional UIImage.
 - Note: You do not need to implement a photo library.

Contacts

John Doe

Alex Ford

Tom Walker

contacts

First:

Last:

email:

Phone:

2	3	1
4	5	1

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