

CS 329E - Fall 2017 - Homework 5

Due date: 10/10/17 by 11:59pm, late work is not accepted

Points: 20 points

Submit: A zip file of your entire project folder.

Name your zip file: **<last-name><first-name>-hw5.zip**

Example: for Joe Smith SmithJoe-hw5.zip

Description: This will be an exercise in using the following in an application:

- Navigation Controller
- Simple View Controller
- Table View Controller
- Segmented Control
- Core Data

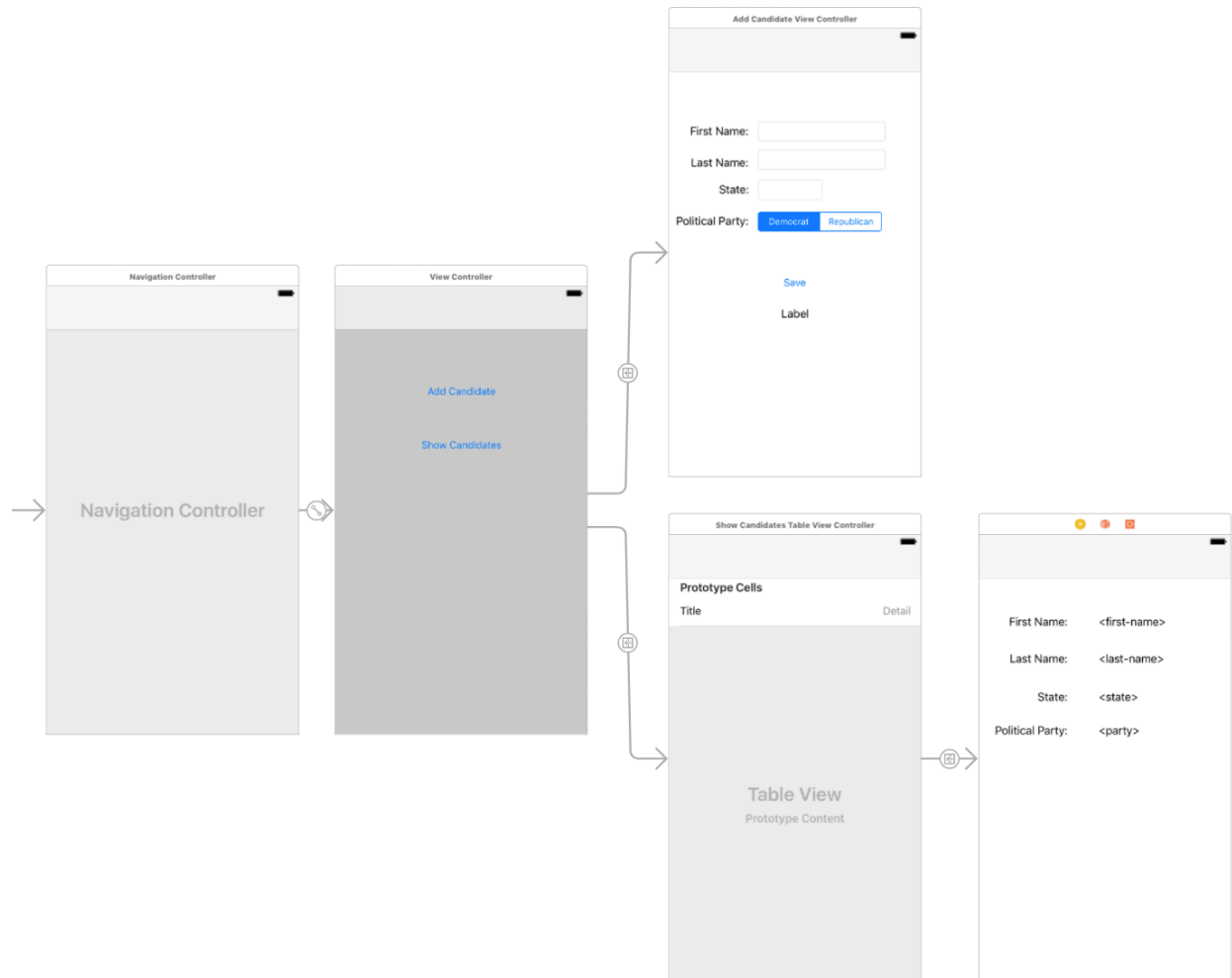
1. Create a Single-View iOS application project named **<last-name><first-name><dash>hw5**.
2. Modify the storyboard per the storyboard screen shot below.
3. See sections below for what each screen should look like at run time and expected behavior.
4. Use Core Data to persist the data.

Suggestion: Wrap the Core Data code in a class that the rest of the app can use to read/write data to Core Data.

Grading criteria:

1. The application builds and runs. (1 point)
2. Main screen looks and behaves as defined. (3 points)
3. Add Candidate screen looks and behaves as defined. (6 points)
4. Show Candidates screen looks and behaves as defined. (6 points)
5. Candidate Detail screen looks and behaves as defined. (4 points)
6. The coding standard is followed. (1 point deducted for each violation)

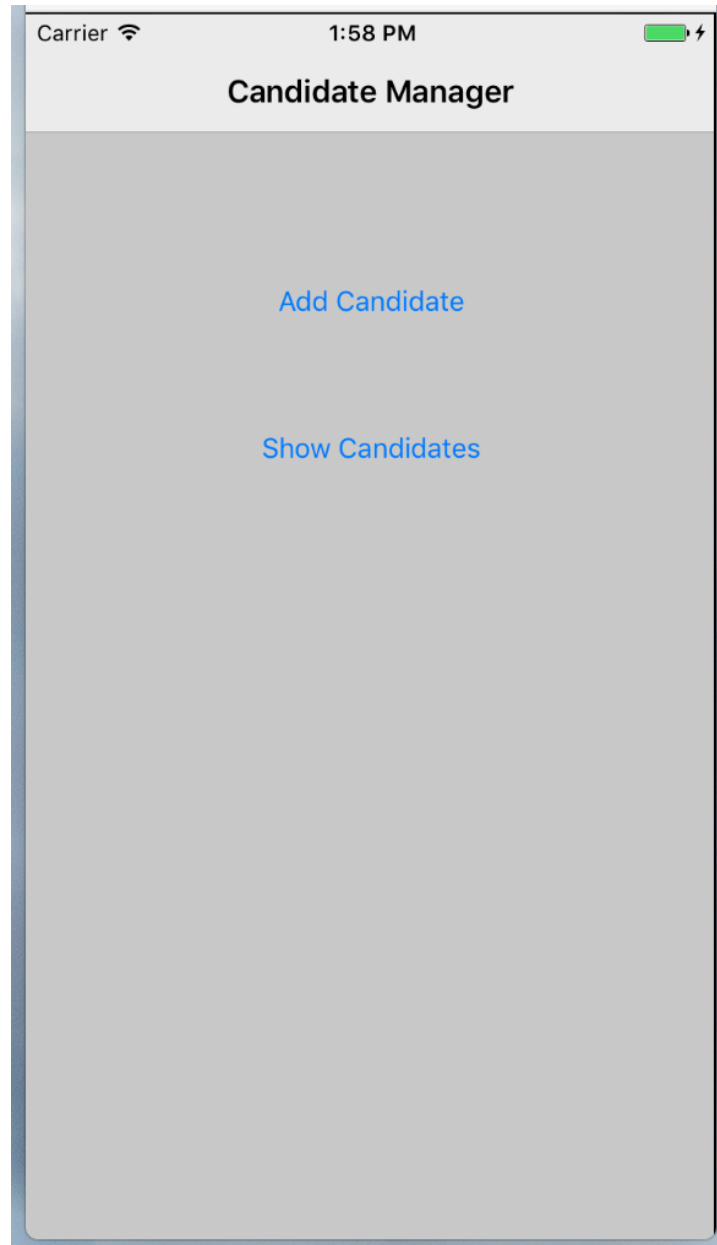
This is what your storyboard should look like:



Initial application screen:

Behavior:

1. *Add Candidate* button segues to the Add Candidate screen.
2. *Show Candidates* button segues to the Show Candidates screen.



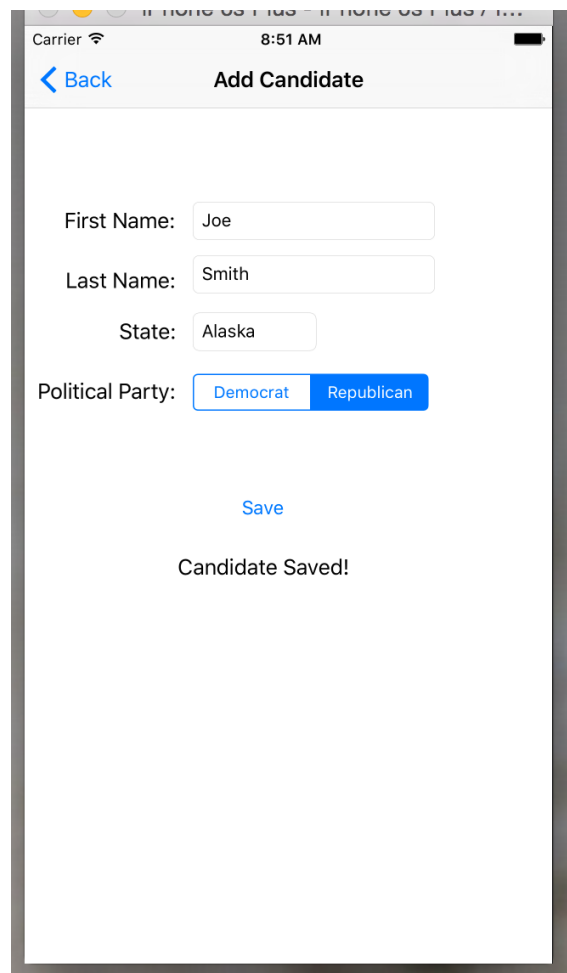
Add Candidate Screen:

Behavior:

- A simple view controller with 3 text fields to allow entry of a candidate's first name, last name and state. And a segmented controller for party selection.
- When the user touches the Save button the candidate should be added to the data model, so the candidate will show up in the rest of the app. Also, a "Candidate Saved!" message is displayed below the Save button.
- If first name, last name or state are empty, use an alert view to display the following message - "You must enter a value for all fields."



This screenshot shows the 'Add Candidate' screen at 8:50 AM. The interface includes a 'Back' button, three text input fields for 'First Name', 'Last Name', and 'State', and a segmented controller for 'Political Party' with 'Democrat' and 'Republican' options. A blue 'Save' button is positioned below the form fields.



This screenshot shows the 'Add Candidate' screen at 8:51 AM. The input fields are now filled with 'Joe' for First Name, 'Smith' for Last Name, and 'Alaska' for State. The 'Democrat' option is selected in the Political Party segmented controller. Below the 'Save' button, the text 'Candidate Saved!' is displayed.

Show Candidates Screen:

Behavior:

- A table view controller which displays all the candidate's - first name, last name and political party.
- The table view cell style is Right Detail.
- When the user touches one of the candidates it segues to a detail screen, which is a simple view controller that displays all the information about the candidate.

