Advanced MAD Midterm

Instructions:

You have an entire class period to develop the following app in iOS using Xcode. You can use any reference material you find helpful. It is suggested that you start at the first task and work down the list. The goal of this midterm is to test your technical proficiency so focus on getting each task working. Add additional complexity and aesthetics at the end, time permitting. I highly suggest creating multiple versions of your project (duplicate your project folder in the Finder) so you have a version saved after each task. Post your completed project to github at the end of the midterm. (You can post more than one version if an earlier version worked but you want me to see the progress you made on a later non-working version).

Create an app based on the mock-up provided that tracks a user's grocery list

1. Implement a hierarchical structure for your grocery list app 50 pts
   a. List of different stores
   b. List of items for each store
   c. Define a separate data model class
2. Let the user delete items on the list 20 pts
3. Ability to add items to each store's list 20 pts
4. Make the grocery lists persistent 20 pts
5. Let the user search one of their lists 20 pts
6. Let the user add a reminder date/time for each item and have the app notify them when they need the item   20 pts
7. Add a detail view that loads the store's web site 20 pts
   a. An activity indicator (spinner) should be used when the web page is loading

Total possible points: 170