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 in a folder named "midterm" 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 favorite restaurants
1. Implement a hierarchical structure for your app 70 pts
    a. The master/main view should show a list of favorite restaurants
    b. The detail view that loads the restaurant's web site(use sites accessible through https). An activity indicator (spinner) should be used when the web page is loading. Sample data:
        1. Luciles: https://www.luciles.com/
        2. Rincon Argentina: https://www.rinconargentinoboulder.com/
        3. Backcountry Pizza: https://www.backcountrypizzaandtaphouse.com/
        4. West End Tavern: https://www.thewestendtavern.com/
    c. Define a separate model class for the restaurant data
    d. Load data from an array if you don't use a plist or JSON (see below)
2. Let the user delete restaurants 5 pts
3. Ability to add restaurants (separate view controller) 10 pts
4. Load data from a plist(included) or json file 10 pts
    JSON available at https://creative.colorado.edu/~apierce/samples/data/restaurants.json
5. Make the data persistent(method of your choice) 10 pts
6. Let the user search the restaurants 10 pts

Total possible points: 115