ITP 342 Lab 5

Goal
- You will improve your **Quotes** app from Lab 4.
- Add data persistence to the model by saving a plist file to your app's Documents folder. Do not use User Defaults. (Week 10)
- Play a sound when a fortune is displayed. (Week 11)
- Add a Favorites functionality.

Assignment
- Add data persistence to the Quotes project:
  - Update the model to add data persistence by saving a plist file to your app's Documents folder.
  - Verify that it works through the GUI.
  - Also verify that the file has been create/updated in the correct folder.
    In the viewDidLoad method in your main ViewController.m file, log the documents directory in the console window by adding the following code:

    ```
    NSLog(@"Documents Directory: %@", [[[NSFileManager
    defaultManager] URLsForDirectory:NSDocumentDirectory
    inDomains:NSUserDomainMask] lastObject]);
    ```

    Using Finder, find your app folder that was printed out in console window using the NSLog statement above. In Finder, you can press the Shift-Command-G keys and enter the path in the text field. Look in the Documents folder. You should see a plist file.
- Add audio to the Quotes project:
  - Set up the AVAudioPlayer in the viewDidLoad method.
  - Add code to the tap and swipe gesture methods to play the sound file.
  - Add code to play the sound when the device is shaked.
- Add Favorites functionality to the Quotes project:
  - Add another table view controller.
  - Add another tab. In this new tab, display the favorite quotes.
  - Update the model to handle the setting and getting of the favorite quotes.
  - In the main tab, double tap on a quote to favorite it.

Grading (20 pts)
- If file exists, load data else create default values (at least 5) for the quotes: 4 pts
- Save model when add and delete a quote (with author) from quotes: 4 pts
- Play a sound when tap, swipe both directions, and shake: 4 pts
- Ability to favorite a quote by double tapping it: 4 pts
- Favorites added to the model with data persistence: 4 pts
- Your name should be at the top of all of the .h & .m files that you create.
- Do not share your code with other students. Do not accept code from other students. If you need help, ask the lab assistants and instructor.

Extra Credit (10 pts)
- Add ability to delete favorites with data persistence: 5 pts
- Add ability to turn on or off sound: 5 pts