**Assignment 1**

**Design Story:**

Suppose you want to create a simple console application to manage your to-do list. A to-do list item has two parts: a date string and a description, such as

*12/10/2017 prep for my finals*

The application allows a user 1) to enter a to-do item (date first, and then description), and 2) search for an item given a date. Therefore, in many ways, the scenario is similar to the one we discussed in class. However, here comes the difference:

* There are two console interfaces (with different look and feel) so user can switch between the two easily.
* Use hard-coded data, not a text file, for testing purposes. Application thus would not be able to save newly entered data at the exit. However, you need to place such statements (for loading initial data) in a place to minimize code modification if you decide to use a file or a database later.
* Use List for internal storage.

**Requirements:**

1. Design and implement the scenario given above.
2. Always use an interface for the type of a variable.
3. Name variables, classes, methods appropriately.
4. Use separate files to group the code that appears beneficial to be in the same file for easier identification.
5. You may follow the structure of the example code we discussed in class. However, in the submitted assignment, briefly describe the areas where your design is somewhat different.
6. As usual, the handed-in assignment should include hard copies of the code and a screen capture of program execution (as well as questions you might want to ask you).