Todo List

The Kata

Write a todo list application that allows users to:

1. Enter a task to be completed specifying the task and due date. For simplicity sake save your data to a text file in csv format.
    a. todo.exe task -t Complete Application -d 2018-04-01
2. List task specifying the status of the take. The available statuses are All or Incomplete. Incomplete will only show task not marked as completed.
    a. todo.exe list -s [All| Incomplete]
    b. The output should be something like

    > Id: 1
    >
    > Task: Complete Application
    >
    > Due: 2018-04-01

3. Mark a task as complete by passing in the task Id.
    a. todo.exe -c [Id]

Hint

Only worry about writing the library code to facilitate the todo list. There is no need to actually parse the arguments.

Bonus

● Allow the user to create sub-task for an existing task. Do this by amending the create function to take in a parent task Id.
  ○ todo.exe task -t Sub Task -d 2018-04-02 -p 1
● Amend the task list output to list all sub-task under the parent task
  ○ If no children task exists do NOT show the *> Child Task <* header
  ○ Example output when task exist

    > Id: 1
    >
    > Task: Complete Application
    >
    > Due: 2018-04-01
    >
    > > Child Task <
    >
    > Id: 2
    >
    > Task: List all task
    >
    > Due: 2018-04-02

● Amend the complete task function to print an error if the user tries to mark the parent task as complete without all children task being marked as complete already.