



**STUDYDADDY**

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## Project 2

Your task is to improve upon your program for Project 1 in two key ways:

**Replace the menu-driven interface with a GUI.** The GUI should look like the image below (2 points) and support the following operations (1 point each):

- Creating a new to-do item
- Marking an item as in progress
- Marking an item as completed
- Removing completed items

**Support two different list orderings:** The user should be able to switch between these listing the items alphabetically and listing them chronologically by deadline using radio buttons (1 point). The first image below shows alphabetical ordering and the second shows the date-based ordering.

**Important note:** If you had difficulty with Project 1 or simply want to start from a clean slate, you can request a working program that meets all of the requirements for Project 1 from the professor. Any new code you add to that for Project 2 is expected to be your own work.

The screenshot shows a macOS-style window titled "To-Do List". The window is divided into two main sections. The left section is a list of tasks, each with a description and a deadline. The tasks are: "Buy groceries by Sat Jun 10 2017", "Cook dinner by Mon Jun 12 2017", "Mow lawn by Sun Jun 11 2017 (completed on Wed Jun 07 2017)", and "Study for exam by Thu Jun 08 2017 (started on Tue Jun 06 2017)". The third task is highlighted in blue. Below the list are several empty rows for adding new tasks. The right section contains a form for adding a new task. It has a "Task:" label and a text input field. Below that is a "Deadline:" label and a text input field with the placeholder "MM/DD/YYYY". There is an "Add" button below the deadline field. Further down, there are two buttons: "Started" and "Completed". The "Completed" button is active, and it has a text input field next to it with the date "06/07/2017". Below these buttons is a "Remove Completed Items" button. At the bottom of the right section, there is a "Sort" label and two radio buttons: "By label" (which is selected) and "By deadline".

To-Do List

Study for exam by Thu Jun 08 2017 (started on Tue Jun 06 2017)

Buy groceries by Sat Jun 10 2017

Mow lawn by Sun Jun 11 2017 (completed on Wed Jun 07 2017)

Cook dinner by Mon Jun 12 2017

Task:

Deadline:

MM/DD/YYYY

Add

Started

MM/DD/YYYY

Completed

06/07/2017

Remove Completed Items

Sort

☐

By label

☒

By deadline



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