

PROG 1700 – Final Project

Ian Christian

w0480449@nscc.ca

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Printouts showing To-Do list program behaviour

Starting the program and adding several tasks:

```
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
1

Task Name: Homework
Due date (dd-mm-yyyy): 09-12-2022
Homework starts with a status of 'Not done'
You can change this from the main menu.
Task description: Database Project
Do you wish to this task to the list? Y/N: y
Homework has been added to your task-list.

Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
1

Task Name: Dishes
Due date (dd-mm-yyyy): 02-12-2022
Dishes starts with a status of 'Not done'
You can change this from the main menu.
Task description: Clean up after dinner
Do you wish to this task to the list? Y/N: y
Dishes has been added to your task-list.

Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
1

Task Name: Gym workout
Due date (dd-mm-yyyy): 11-12-2022
Gym workout starts with a status of 'Not done'
You can change this from the main menu.
Task description: Cardio machines 1 hour
Do you wish to this task to the list? Y/N: y
Gym workout has been added to your task-list.
```

Marking a task as done then printing out the list to show the change:

```
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
2

What task ID# would you like to mark as done? 1
Do you want to remove this task? Y/N: n
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
5

All tasks in your To-do list:
-----
      Task          Due Date      Status      Description
Task #1 Homework    09-12-2022    Done        Database Project
Task #2 Dishes       02-12-2022    Not done    Clean up after dinner
Task #3 Gym workout  11-12-2022    Not done    Cardio machines 1 hour
-----
```

Removing a task then printing the list to show the change:

```
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
3

What task ID# would you like to remove?
2
Dishes has been removed.

Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
5

All tasks in your To-do list:
-----
      Task          Due Date      Status      Description
Task #1 Homework    09-12-2022    Done        Database Project
Task #2 Gym workout  11-12-2022    Not done    Cardio machines 1 hour
-----
```

Editing a task then printing the list to show the edit:

```
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
4

What task ID# would you like to edit?
2
Task          Due Date      Status      Description
Gym workout    11-12-2022    Not done    Cardio machines 1 hour
What would you like to edit?:
1. Name
2. Due Date
3. Status
4. Description
4
Enter new description: Weight-lifting 30 minutes
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
5

All tasks in your To-do list:
-----
Task          Due Date      Status      Description
Task #1 Homework    09-12-2022    Not done    Database Project
Task #2 Gym workout  11-12-2022    Not done    Weight-lifting 30 minutes
-----
```

Exiting the program

```
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
6

Are you sure you want to exit? Y/N: y

Process finished with exit code 0
```

Testing edge cases:

```
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
eeeeeee
You must input a number to select an option.
```

Entering a non-integer at the Main Menu.

```
Main Menu
1. Add a task
2. Mark a task as done
3. Remove a task
4. Edit a task
5. Display all tasks
6. Exit
1000

The number you provided is not listed in the menu.
```

Entering an unlisted number at the Main Menu.

```
What task ID# would you like to remove?
1000
You have selected a task # not listed.
Only integers present in the task-list are accepted.
```

Entering a task ID# not found in the list. The same warning appears for options 2, 3, and 4 from the Main Menu.

```
What would you like to edit?:
1. Name
2. Due Date
3. Status
4. Description
1000
You have selected an option not listed.
```

Selecting a number not in the list of Edit Options.

```
What would you like to edit?:  
1. Name  
2. Due Date  
3. Status  
4. Description  
eeee  
You have input a value not recognized.
```

Inputting a non-integer value at the Edit Menu.

```
Main Menu  
1. Add a task  
2. Mark a task as done  
3. Remove a task  
4. Edit a task  
5. Display all tasks  
6. Exit  
5  
  
There are no items in the to-do list.
```

Trying to display an empty list.