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from tasks import *
import csv
import os

if __name__ == "__main__":
    the_menu = {"P": "Print tasks", "A": "Add a task", "U": "Update a task",
"D": "Delete a task",
                "SI": "Show incomplete tasks", "SC": "Show completed tasks",
"SP": "Show tasks sorted by priority, highest first",
                "SD": "Show tasks sorted by due date, earliest first", "S":
"Save tasks", "L": "Load tasks from file", "Q": "Quit this program"}

    opt = None
    my_tasks_list = []
    loaded_tasks_list = []

    while True:
        print_main_menu(the_menu)
        print("::: Enter an option")
        opt = input("> ")

        if opt == "Q" or opt == "q":
            print("See you next time!")
            break # exit the main `while` loop
        else:
            if check_option(opt, the_menu) == "invalid":
                print(f"ERROR: '{opt}' is an invalid option. \n")
                continue
            print(f"You selected option {opt} to > {the_menu[opt]}.")

        if opt == "P" or opt == "p":
            if len(my_tasks_list) >= 1:
                print_formatted_tasks(my_tasks_list)
            #elif len(loaded_tasks_list) >= 1:
             #   print_formatted_tasks(loaded_tasks_list)
            else:
                print("You have no tasks yet.")
            pass

        elif opt == "L" or opt == "l":
            my_csv = input("Enter .csv file name:")
            load_list = load_from_csv(my_csv)
            if load_list == "invalid data":
                print(load_list)
            elif load_list == "inconsistent format":
                print(load_list)
            else:
                for x in load_list:
                    my_tasks_list.append(x)
                    print(f'{x} has been uploaded!')
                    print()
                #my_tasks_list.append(load_from_csv(my_csv)[1][0])
            pass
```

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        elif opt == "A" or opt == "a":
            my_name = input("Enter name of task:")
            my_descr = input("Enter description of task:")
            my_date = input("Enter due date of task in MM/DD/YEAR:")
            my_prior = input("Enter priority level 1-5, with '1' meaning
lowest priority, and '5' meaning highest priority:")
            my_complete = input("Is this task completed? Type: 'Yes' or
'No':")
            if create_a_task(my_name, my_descr, my_date, my_prior,
my_complete)[0] == True:
                add_to_tasks = create_a_task(my_name, my_descr, my_date,
my_prior, my_complete)
                my_tasks_list.append(add_to_tasks[1])
                print(add_to_tasks)
            else:
                print(create_a_task(my_name, my_descr, my_date, my_prior,
my_complete))

        elif opt == "U" or opt == "u":
            my_id = int(input("Enter the task number you want to update:"))
            my_field = input("Enter the task field you wish to modify (name,
description, deadline, priority, completed):")
            my_update = input("Enter the updated information:")
            print(update_task(my_tasks_list, my_id, my_field, my_update))

        elif opt == "D" or opt == "d":
            my_idx = int(input("Enter the task number you want to delete:"))
            if delete_task(my_idx, my_tasks_list) == True:
                print("Deleted!")
            elif delete_task(my_idx, my_tasks_list) == False:
                print("Not a valid task.")

        elif opt == "SI" or opt == "si":
            print_tasks_by_status(my_tasks_list, completed = False)

        elif opt == "SC" or opt == "sc":
            print_completed_tasks(my_tasks_list, completed = True)

        elif opt == "S" or opt == "s":
            file_name = input("Create a file name to save tasks list as csv:")
            save_to_csv(my_tasks_list, file_name)
            print("File saved!")

        else:
            print("This option is not yet implemented.") #TODO

        opt = input("::: Press Enter to continue...")

    print("Have a productive day!")
```