In [1]:
```python
import csv
import os
from datetime import datetime

# Define the name of the CSV file to store the tasks
TASKS_FILE = "tasks.csv"

# Define the main menu function
def main_menu():
    print("**** TASK TRACKER APPLICATION ****")
    print("1. ADD A TASK")
    print("2. VIEW TASKS")
    print("3. EDIT A TASK")
    print("4. DELETE A TASK")
    print("5. EXIT")
    choice = input("ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: ")
    return choice

# Define the function to add a new task
def add_task():
    name = input("ENTER TASK NAME: ")
    description = input("ENTER TASK DESCRIPTION: ")
    due_date = input("ENTER DUE DATE (YYYY-MM-DD): ")
    with open(TASKS_FILE, "a", newline="") as csvfile:
        writer = csv.writer(csvfile)
        writer.writerow([name, description, due_date])
    print("TASK ADDED SUCCESSFULLY!!!!")

# Define the function to view all tasks
def view_tasks():
    with open(TASKS_FILE, "r") as csvfile:
        reader = csv.reader(csvfile)
        print("{:<30} {:<50} {:<10}".format("****TASK NAME****", "****DESCRIPTION*
        for row in reader:
            name, description, due_date = row
            print("{:<30} {:<50} {:<10}".format(name, description, due_date))

# Define the function to edit an existing task
def edit_task():
    tasks = []
    with open(TASKS_FILE, "r") as csvfile:
        reader = csv.reader(csvfile)
        for row in reader:
            tasks.append(row)
    print("{:<5} {:<30} {:<50} {:<10}".format("**ID**", "****TASK NAME****", "****[
    for i, task in enumerate(tasks):
        name, description, due_date = task
        print("{:<5} {:<30} {:<50} {:<10}".format(i+1, name, description, due_date
    choice = int(input("ENTER THE ID OF THE TASK TO EDIT:"))
    name = input("ENTER TASK NAME: ")
    description = input("ENTER TASK DESCRIPTION: ")
    due_date = input("ENTER DUE DATE (YYYY-MM-DD): ")
    tasks[choice-1] = [name, description, due_date]
    with open(TASKS_FILE, "w", newline="") as csvfile:
        writer = csv.writer(csvfile)
        for task in tasks:
            writer.writerow(task)
    print("TASK EDITED SUCCESSFULLY!!!!")

# Define the function to delete a task
def delete_task():
    tasks = []
```

```python
    with open(TASKS_FILE, "r") as csvfile:
        reader = csv.reader(csvfile)
        for row in reader:
            tasks.append(row)
    print("{:<5} {:<30} {:<60} {:<10}".format("**ID**", "****TASK NAME****", "****
    for i, task in enumerate(tasks):
        name, description, due_date = task
        print("{:<5} {:<30} {:<60} {:<10}".format(i+1, name, description, due_date
    choice = int(input("ENTER THE ID OF THE TASK TO BE DELETED: "))
    tasks.pop(choice-1)
    with open(TASKS_FILE, "w", newline="") as csvfile:
        writer = csv.writer(csvfile)
        for task in tasks:
            writer.writerow(task)
    print("TASK DELETED SUCCESSFULLY!!!!")

# Define the main program loop
while True:

    choice = main_menu()
    if choice == "1":
        add_task()

    elif choice == "2":
        view_tasks()
        4
    elif choice == "3":
        edit_task()

    elif choice == "4":
        delete_task()

    elif choice == "5":
        print("EXITING TASK TRACKER APPLICATION...")
        break
    else:
        print("INVALID CHOICE. PLEASE TRY AGAIN.")
```

```
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Prepare presentation
ENTER TASK DESCRIPTION: Create slides and outline key points
ENTER DUE DATE (YYYY-MM-DD): 2023-06-27
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Study for final exam
ENTER TASK DESCRIPTION: Review all lecture notes and practice problems
ENTER DUE DATE (YYYY-MM-DD): 2023-07-08
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Research marketing strategies
ENTER TASK DESCRIPTION: Conduct research on the latest marketing trends
ENTER DUE DATE (YYYY-MM-DD): 2023-07-10
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Grocery shopping
ENTER TASK DESCRIPTION: Buy fruits, vegetables, and milk
ENTER DUE DATE (YYYY-MM-DD): 2023-06-22
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 2
****TASK NAME****            ****DESCRIPTION****
**DUE DATE**
Prepare presentation        Create slides and outline key points
2023-06-27
Study for final exam        Review all lecture notes and practice problems
2023-07-08
Research marketing strategies  Conduct research on the latest marketing trends
2023-07-10
Grocery shopping            Buy fruits, vegetables, and milk
2023-06-22
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
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3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 3
**ID** ****TASK NAME****              ****DESCRIPTION****
**DUE DATE**
1      Prepare presentation        Create slides and outline key points
2023-06-27
2      Study for final exam        Review all lecture notes and practice problem
s      2023-07-08
3      Research marketing strategies Conduct research on the latest marketing tren
ds     2023-07-10
4      Grocery shopping            Buy fruits, vegetables, and milk
2023-06-22
ENTER THE ID OF THE TASK TO EDIT:3
ENTER TASK NAME: Complete project report
ENTER TASK DESCRIPTION: Write a detailed report on the project findings
ENTER DUE DATE (YYYY-MM-DD): 2023-07-10
TASK EDITED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 2
****TASK NAME****               ****DESCRIPTION****
**DUE DATE**
Prepare presentation         Create slides and outline key points
2023-06-27
Study for final exam         Review all lecture notes and practice problems
2023-07-08
Complete project report      Write a detailed report on the project findings
2023-07-10
Grocery shopping             Buy fruits, vegetables, and milk
2023-06-22
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Review presentation slides
ENTER TASK DESCRIPTION: Go through the slides and make necessary edits
ENTER DUE DATE (YYYY-MM-DD): 2023-07-08
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Clean the house
ENTER TASK DESCRIPTION: Vacuum, dust, and mop
ENTER DUE DATE (YYYY-MM-DD): 2023-06-25
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
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ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 2
****TASK NAME****              ****DESCRIPTION****
**DUE DATE**
Prepare presentation          Create slides and outline key points
2023-06-27
Study for final exam          Review all lecture notes and practice problems
2023-07-08
Complete project report       Write a detailed report on the project findings
2023-07-10
Grocery shopping              Buy fruits, vegetables, and milk
2023-06-22
Review presentation slides    Go through the slides and make necessary edits
2023-07-08
Clean the house               Vacuum, dust, and mop
2023-06-25
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Update website content
ENTER TASK DESCRIPTION: Review & update the content on the company website
ENTER DUE DATE (YYYY-MM-DD): 2023-07-02
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Pay bills
ENTER TASK DESCRIPTION: Utilities, internet, and credit card bills
ENTER DUE DATE (YYYY-MM-DD): 2023-07-15
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Review presentation slides
ENTER TASK DESCRIPTION: Go through the slides and make necessary edits
ENTER DUE DATE (YYYY-MM-DD): 2023-07-08
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Call client for follow-up
ENTER TASK DESCRIPTION: Contact the client to discuss the project progress
ENTER DUE DATE (YYYY-MM-DD): 2023-06-25
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
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5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Research marketing strategies
ENTER TASK DESCRIPTION: Conduct research on the latest marketing trends
ENTER DUE DATE (YYYY-MM-DD): 2023-07-10
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 1
ENTER TASK NAME: Review budget proposal
ENTER TASK DESCRIPTION: Analyze the budget proposal and provide feedback
ENTER DUE DATE (YYYY-MM-DD): 2023-06-28
TASK ADDED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 2
****TASK NAME****              ****DESCRIPTION****
**DUE DATE**
Prepare presentation          Create slides and outline key points
2023-06-27
Study for final exam          Review all lecture notes and practice problems
2023-07-08
Complete project report       Write a detailed report on the project findings
2023-07-10
Grocery shopping              Buy fruits, vegetables, and milk
2023-06-22
Review presentation slides    Go through the slides and make necessary edits
2023-07-08
Clean the house               Vacuum, dust, and mop
2023-06-25
Update website content        Review & update the content on the company website
2023-07-02
Pay bills                     Utilities, internet, and credit card bills
2023-07-15
Review presentation slides    Go through the slides and make necessary edits
2023-07-08
Call client for follow-up     Contact the client to discuss the project progress
2023-06-25
Research marketing strategies Conduct research on the latest marketing trends
2023-07-10
Review budget proposal        Analyze the budget proposal and provide feedback
2023-06-28
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 4
**ID** ****TASK NAME****              ****DESCRIPTION****
****DUE DATE****
1     Prepare presentation          Create slides and outline key points
2023-06-27
2     Study for final exam          Review all lecture notes and practice problem
s             2023-07-08
3     Complete project report       Write a detailed report on the project findin
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gs                 2023-07-10
4     Grocery shopping              Buy fruits, vegetables, and milk
2023-06-22
5     Review presentation slides    Go through the slides and make necessary edit
s                 2023-07-08
6     Clean the house               Vacuum, dust, and mop
2023-06-25
7     Update website content        Review & update the content on the company we
bsite             2023-07-02
8     Pay bills                     Utilities, internet, and credit card bills
2023-07-15
9     Review presentation slides    Go through the slides and make necessary edit
s                 2023-07-08
10    Call client for follow-up     Contact the client to discuss the project pro
gress             2023-06-25
11    Research marketing strategies Conduct research on the latest marketing tren
ds                2023-07-10
12    Review budget proposal        Analyze the budget proposal and provide feedb
ack               2023-06-28
ENTER THE ID OF THE TASK TO BE DELETED: 11
TASK DELETED SUCCESSFULLY!!!!
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 2
****TASK NAME****              ****DESCRIPTION****
**DUE DATE**
Prepare presentation           Create slides and outline key points
2023-06-27
Study for final exam           Review all lecture notes and practice problems
2023-07-08
Complete project report        Write a detailed report on the project findings
2023-07-10
Grocery shopping               Buy fruits, vegetables, and milk
2023-06-22
Review presentation slides     Go through the slides and make necessary edits
2023-07-08
Clean the house                Vacuum, dust, and mop
2023-06-25
Update website content         Review & update the content on the company website
2023-07-02
Pay bills                      Utilities, internet, and credit card bills
2023-07-15
Review presentation slides     Go through the slides and make necessary edits
2023-07-08
Call client for follow-up      Contact the client to discuss the project progress
2023-06-25
Review budget proposal         Analyze the budget proposal and provide feedback
2023-06-28
**** TASK TRACKER APPLICATION ****
1. ADD A TASK
2. VIEW TASKS
3. EDIT A TASK
4. DELETE A TASK
5. EXIT
ENTER THE NUMBER CORRESPONDING TO YOUR CHOICE: 5
EXITING TASK TRACKER APPLICATION...
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In [ ]: