Here's a simple implementation of a to-do list application in Python using functions and a list as the data structure:

```
# Function to add a task
def add_task(todo_list, task):
    todo_list.append(task)
    print(f'Task "{task}" added successfully.')

# Function to delete a task
def delete_task(todo_list, task):
    if task in todo_list:
        todo_list.remove(task)
        print(f'Task "{task}" deleted successfully.')
    else:
        print(f'Task "{task}" not found.')

# Function to display the list of tasks
def display_tasks(todo_list):
    if not todo_list:
        print('Your to-do list is empty.')
    else:
        print('Your to-do list:')
        for index, task in enumerate(todo_list, start=1):
            print(f'{index}. {task}')

# Function to mark a task as complete
```

```
def mark_complete(todo_list, task):
    if task in todo_list:
        print(f'Task "{task}" marked as complete.')
    else:
        print(f'Task "{task}" not found.')

# Main function to run the to-do list application
def main():
    todo_list = []

    while True:
        print('¥nTo-Do List Application')
        print('1. Add Task')
        print('2. Delete Task')
        print('3. Display Tasks')
        print('4. Mark Task as Complete')
        print('5. Quit')

        choice = input('Enter your choice (1-5): ')

        if choice == '1':
            task = input('Enter the task: ')
            add_task(todo_list, task)
        elif choice == '2':
            task = input('Enter the task to delete: ')
            delete_task(todo_list, task)
        elif choice == '3':
            display_tasks(todo_list)
```

```
        elif choice == '4':
            task = input('Enter the task to mark as complete: ')
            mark_complete(todo_list, task)
        elif choice == '5':
            print('Goodbye!')
            break
        else:
            print('Invalid choice. Please enter a number between 1 and 5.')

if __name__ == '__main__':
    main()
```

Copy and paste this code into a Python file (e.g., `todo_app.py`) and run it. The program will present a menu with options to add, delete, display tasks, mark tasks as complete, or quit the application. The to-do list is stored in a list (`todo_list`), and each function performs a specific operation on this list.

Output:

To-Do List Application

1. Add Task

2. Delete Task

3. Display Tasks

4. Mark Task as Complete

5. Quit

Enter your choice (1-5): 1

Enter the task: [2,3,4,6]

Task "[2,3,4,6]" added successfully.

To-Do List Application

1. Add Task

2. Delete Task

3. Display Tasks

4. Mark Task as Complete

5. Quit

Enter your choice (1-5): 2

Enter the task to delete: [2,3,4,6]

Task "[2,3,4,6]" deleted successfully.

To-Do List Application

1. Add Task

2. Delete Task

3. Display Tasks

4. Mark Task as Complete

5. Quit

Enter your choice (1-5): 3

Your to-do list:

1. To-Do List Application

2. To-Do List Application

3. [2,3,4,5,6]

To-Do List Application

1. Add Task

2. Delete Task

3. Display Tasks

4. Mark Task as Complete

5. Quit

Enter your choice (1-5): 4

Enter the task to mark as complete: [3,4,5,6,7]

Task "[3,4,5,6,7]" marked as complete.

To-Do List Application

1. Add Task

2. Delete Task

3. Display Tasks

4. Mark Task as Complete

5. Quit

Enter your choice (1-5): 5

Goodbye!