Class Exercise:

String Operations v2

You have been hired by a local restaurant to develop a menu management system. The restaurant owner wants you to create a program that allows the staff to add, edit, and delete menu items. Your task is to write a Python program that implements the following features:

* Display the menu options to the user: "Add item", "Edit item", "Delete item", "Display menu", and "Quit".
* Use a while loop to keep the program running until the user chooses to quit.
* Use if-else statements to execute the corresponding operation based on the user's choice.
* For the "Add item" option, prompt the user to enter the name of the menu item and add it to the menu.
* For the "Edit item" option, prompt the user to enter the name of the menu item they want to edit and then the new name for the item.
* For the "Delete item" option, prompt the user to enter the name of the menu item they want to delete and remove it from the menu.
* For the "Display menu" option, print out all the menu items.
* If the user enters an invalid choice, display an error message.
* Remember to use string operations and methods, while and for loops, if and else operators, and functions to implement this program.

comment = input("Enter your comment: ")

def display\_menu():

    print("Menu Options:")

    print("1. Add item")

    print("2. Edit item")

    print("3. Delete item")

    print("4. Display menu")

    print("5. Quit")

def add\_item(menu):

# Your code here

def edit\_item(menu):

# Your code here

def delete\_item(menu):

# Your code here

def display\_menu\_items(menu):

# Your code here

menu = []

choice = 0

while choice != 5:

# Your code here

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 1

Enter the name of the menu item: Burger

Item added successfully!

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 1

Enter the name of the menu item: Pizza

Item added successfully!

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 4

Menu Items:

Burger

Pizza

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 2

Enter the name of the menu item you want to edit: Pizza

Enter the new name for the item: Margherita

Item edited successfully!

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 4

Menu Items:

Burger

Margherita

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 3

Enter the name of the menu item you want to delete: Burger

Item deleted successfully!

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 4

Menu Items:

Margherita

Menu Options:

1. Add item

2. Edit item

3. Delete item

4. Display menu

5. Quit

Enter your choice (1-5): 5

Goodbye!