ASSIGNMENT 02

Supermarket Assistant Chatbot – User Guide

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1. Description

The Supermarket Assistant Chatbot is a web-based application and that helps customers to find the shelf locations of items in a supermarket. Users can type a list of goods they want to buy and the chatbot will return the shelves where these items are located. It uses simple Natural Language Processing (NLP) to detect the items from user input and maps them to the predefined shelf database.

2.How to use

1. Open the chatbot web page provided by the supermarket.
2. Type the items you want to buy in the input box (e.g., "I want to buy apples, milk, and detergent").
3. Click the Find Shelves button.
4. The chatbot will display a list of items with corresponding shelf numbers.
5. Click Print List to print the shopping list.
6. Click Download List to save the shopping list as a text file.

3. Sample Inputs and Outputs

Figure 01 : output 1

🛒 **Supermarket Assistant Chatbot**

I want to buy apple

Find Shelves

📋 **Your Shelf Locations:**

- Apple → Shelf 1

🖨 Print List

⬇ Download List

Figure 02: Output 2

🛒 **Supermarket Assistant Chatbot**

butter,breads,shampoo

Find Shelves

📋 **Your Shelf Locations:**

- Bread → Shelf 2
- Butter → Shelf 3
- Shampoo → Shelf 5

🖨 Print List

⬇ Download List

Figure 03: Output 3

🛒 **Supermarket Assistant Chatbot**

water

Find Shelves

📋 **Your Shelf Locations:**

- Water → Item not found

🖨 Print List

⬇ Download List

Figure 04: Not found output

🛒 **Supermarket Assistant Chatbot**

I want shampoo,soap and brush

Find Shelves

📋 **Your Shelf Locations:**

- Brush → Item not found
- Shampoo → Shelf 5
- Soap → Shelf 5
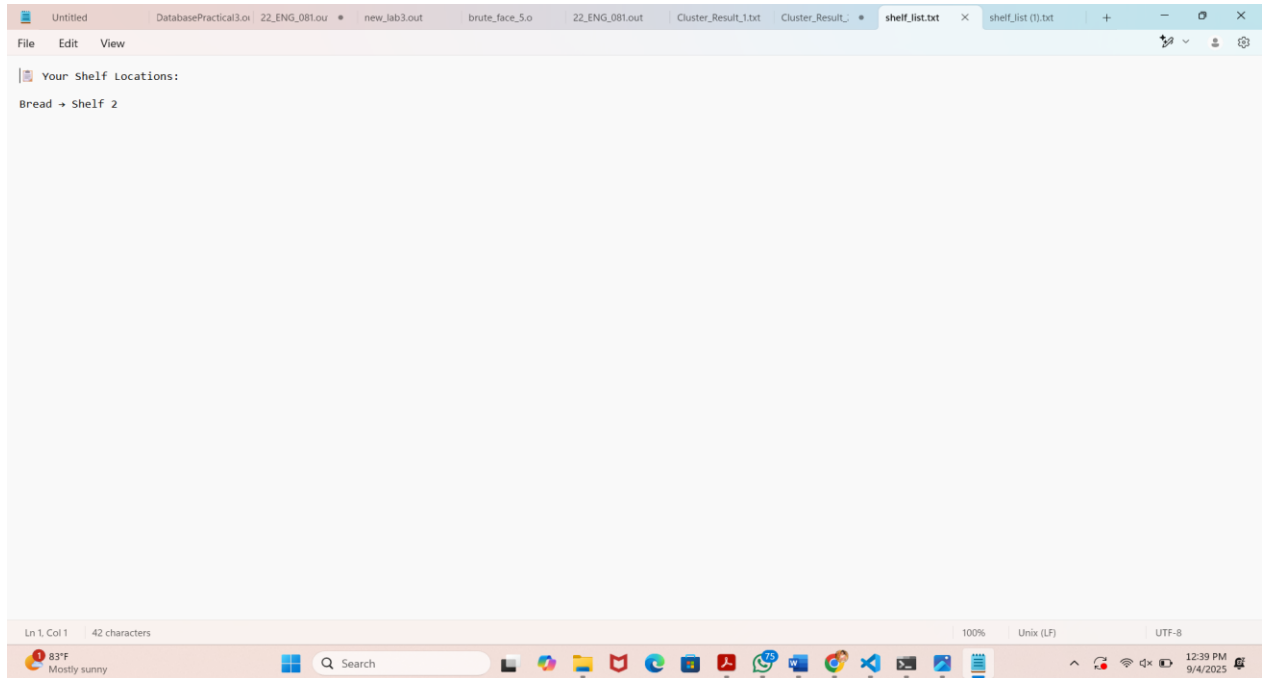
🖨 Print List

⬇ Download List

Figure 05: output 5

Figure 06: Download list