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Mini Project Week 2

So far we've been using one-dimensional lists of data, however, this won't work for orders. We need to store more information such as the customer's name, address and phone number, as well as the status of the order. To solve this we'll use a two-dimensional data structure, a dictionary. We won't be able to read/write this structure to text file anymore, but we'll fix this later. For now we'll also skip adding products to the order.

Goals

As a user I want to:

- create a product or order and add it to a list
- view all products or orders
- STRETCH I want to be able to update or delete a product or order

Spec

- A product should just be a string containing its name, i.e: "Coke Zero"
- A list of products should be a list of strings, i.e: ["Coke Zero"]
- An order should be a dict, i.e:

```
{
  "customer_name": "John",
  "customer_address": "Unit 2, 12 Main Street, LONDON, WH1 2ER",
  "customer_phone": "0789887334",
  "status": "preparing"
}
```

• A list of orders should be a list of dicts, i.e: [{...}.{...}]

Pseudo Code

```
PRINT main menu options

GET user input for main menu option

IF user input is 0:
    EXIT app

# products menu

ELSE IF user input is 1:
    PRINT product menu options
    GET user input for product menu option

IF user inputs 0:
    RETURN to main menu
```

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ELSE IF user input is 1: PRINT products list ELSE IF user input is 2: # CREATE new product GET user input for product name APPEND product name to products list ELSE IF user input is 3: # STRETCH GOAL - UPDATE existing product PRINT product names with its index value GET user input for product index value GET user input for new product name UPDATE product name at index in products list ELSE IF user input is 4: # STRETCH GOAL - DELETE product PRINT products list GET user input for product index value DELETE product at index in products list # orders menu ELSE IF user input is 2: IF user input is 0: RETURN to main menu ELSE IF user input is 1: PRINT orders dictionary ELSE IF user input is 2: GET user input for customer name GET user input for customer address GET user input for customer phone number SET order status to be 'PREPARING' APPEND order to orders list ELSE IF user input is 3: # UPDATE existing order status PRINT orders list with its index values GET user input for order index value PRINT order status list with index values GET user input for order status index value UPDATE status for order ELSE IF user input is 4: # STRETCH - UPDATE existing order PRINT orders list with its index values

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GET user input for order index value

FOR EACH key-value pair in selected order:

GET user input for updated property

IF user input is blank:

do not update this property

ELSE:

update the property value with user input

ELSE IF user input is 5:
 # STRETCH GOAL - DELETE order

PRINT orders list GET user input for order index value DELETE order at index in order list