

Mini Project Week 2

Now that our app can create and list products, it should be simple enough to do the same for couriers. We'll also dump our data into `.txt` files so we don't lose it. Try to ensure code that writes or reads from a text file is separated from the code that prints a list for example.

We'll also add a couple of basic unit tests.

Goals

As a user I want to:

- create a product or courier and add it to a list
- view all products or couriers
- persist my data
- *STRETCH* I want to be able to update or delete a product or courier

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"]`
- A `courier` should just be a `string` containing its name, i.e: `"John"`
- A list of `couriers` should be a list of `strings`, i.e: `["John"]`
- Data should be persisted to a `.txt` file on a new line for each `courier` or `product`, ie:

```
John
Claire
```

Pseudo Code

```
LOAD products list from products.txt
LOAD couriers list from couriers.txt

PRINT main menu options
GET user input for main menu option

IF user input is 0:
    SAVE products list to products.txt
    SAVE couriers list to couriers.txt
    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

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

# couriers menu
ELSE IF user input is 2:
    PRINT courier menu options
    GET user input for courier menu option

IF user inputs 0:
    RETURN to main menu

ELIF user inputs 1:
    PRINT couriers list

ELSE IF user input is 2:
    # CREATE new courier
    GET user input for courier name
    APPEND courier name to couriers list

ELSE IF user input is 3:
    # STRETCH GOAL – UPDATE existing courier

    PRINT courier names with its index value
    GET user input for courier index value
    GET user input for new courier name
    UPDATE courier name at index in couriers list

ELSE IF user input is 4:
    # STRETCH GOAL – DELETE courier

    PRINT courier list
```

```
GET user input for courier index value  
DELETE courier at index in courier list
```