

# 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`, i.e:

John

Claire

## Pseudo Code

- START APP
- LOAD COURIERS AND PRODUCTS FROM TXT FILE
- SHOW LIST OF OPTIONS TO USER AND ACCEPT NUMERICAL INPUT
- IF USER ENTERS 0 THEN SAVE APP STATE TO TXT FILES AND EXIT APP
- IF USER ENTERS 1 THEN SHOW PRODUCT MENU
  - IF USER ENTERS 0 RETURN TO MAIN MENU
  - IF USER ENTERS 1 PRINT OUT PRODUCTS TO SCREEN
  - IF USER ENTER 2 CREATE NEW PRODUCT
  - ASK USER FOR THE NAME OF THE PRODUCT
  - APPEND THIS TO THE LIST OF PRODUCTS
  - *STRETCH* IF USER ENTERS 3 UPDATE PRODUCT
  - ASK USER TO SELECT A PRODUCT TO UPDATE OR 0 TO CANCEL
  - ASK USER FOR NEW NAME OF PRODUCT
  - REPLACE PRODUCT AT SELECTED IDX WITH NEW NAME
  - *STRETCH* IF USER ENTERS 4 DELETE PRODUCT
  - ASK USER TO SELECT A PRODUCT TO DELETE OR 0 TO CANCEL
  - REMOVE THIS ITEM FROM THE PRODUCT LIST
- IF USER ENTERS 2 THEN SHOW COURIER MENU
  - IF USER ENTERS 0 RETURN TO MAIN MENU
  - IF USER ENTERS 1 PRINT OUT COURIERS TO SCREEN
  - IF USER ENTER 2 CREATE NEW COURIER
  - ASK USER FOR THE NAME OF THE COURIER
  - APPEND THIS TO THE LIST OF COURIERS
  - *STRETCH* IF USER ENTERS 3 UPDATE COURIER
  - ASK USER TO SELECT A COURIER TO UPDATE OR 0 TO CANCEL
  - ASK USER FOR NEW NAME OF COURIER
  - REPLACE COURIER AT SELECTED IDX WITH NEW NAME
  - *STRETCH* IF USER ENTERS 4 DELETE COURIER
  - ASK USER TO SELECT A COURIER TO DELETE OR 0 TO CANCEL
  - REMOVE THIS ITEM FROM THE COURIER LIST