Project Formulation Shop Lite

1. What should the program do?

In the program you will be able to choose who you will be: a seller or a buyer.
If you are a seller, then you can add products, their price, quantity, name - all this is saved to a file. If you are a buyer, you need to buy products, you can find products by search, sort by price or by name. (Perhaps more functionality for different sorting or categories will be added). When you purchase something, the quantity of products changes and everything is saved to a file.

2. What will be in the file:

Name, count, price.

Banana:100:5
Chocolate:10:15

3. What can be given as an input?

If you are a buyer, the program will ask you to enter what you want to buy and how much.
If you are a seller, what do you want to add (name, price, quantity).4. What is the desired output? The program outputs the birthday and gender of all the people whose birthday is on or after the given month.

5. Where to use functions?

• There will be a function which will create special window after you choose Seller or Customer.

• There will be a function which returns the list of products.

• There will be a function which save changes in list of products.

• There will be a function which add new products and check if there were same product.

• There will be a function which change price of product if needed and save it.

• There can be more functions if needed.

6. Where to use a loop (for/while)?

I will use the for loop to go through all the numbers in the file.
There can be more loops if needed.

7. Where to use if-else?

• Seller or Customer.

• Checking whether such products already exist.

• Checking if the product has run out.

• There can be more if-else if needed.