**Ex – Sandwich Store**

The main goal is to prove your competences in modern style Java-Angular programming.

Keywords: microservices, modular and maintainable/extensible

In order to fix the idea, the main idea will be a Sandwich Store

Setting and possibilities:

* Selling 3 types of sandwiches: white, brown and special ones
* For each bread flavour, there are 3 sizes: Small, Normal, Double
* Pricing is done as follows:
  + Normal = standard price
  + Small = 0.75\* standard price
  + Double = 1.8\*standard price
* Standard prices for the 3 types: White or brown bread : 1€; special: 1.2€
* Toppings:
  + Cheese
  + Ham
  + Pork
  + Tuna spread
  + Meat spread
* Topping’s unit price is expressed in price/100gr
* Each toping has a description
* Toppings on the sandwich (normal size):
  + Cheese : 40gr/ sandwich
  + Ham: 50gr / sandwich
  + Pork: 35gr / sandwich
  + Tuna Spread: 25gr / sandwich
  + Meat spread: 30gr /sandwich
* A customer can add vegetables and sauces which have their price / sandwich

Each sandwich is a collection of composing elements

A customer wants to order a sandwich. Show on the screen an application that makes it possible to serve the client and calculates the total price + gives a detailed overview of all the composing elements of the sandwich.

The store has a limited stock of all supplies. You have to track the stock and show a warning if the stock isn’t sufficient anymore. Initially, you can start with a starting stock of the sandwich store.

It must be possible to consult the stock at any time !

Ex:

Order of a normal, brown sandwich with ham/cheese, mayonaise, tomatos and green salad. On the screen:

Order: Brown sandwich – Normal 1€

Comùposition : cheese 1€

Ham 1€

Mayo 0.2€

Salad 0.2€

Tomatos 0.3€

Total price : 3.7€