

**UNIVERSIDAD DE LAS FUERZAS ARMADAS**

**E.S.P.E.**



**COMPUTER SCIENCE DEPARTMENT**

**7996: OBJECT ORIENTED PROGRAMMING**

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**DEFINITION SOFTWARE REQUIREMENTS**

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## Software requirements questionnaire for Interview

### 1. Profile

- Name: Jeanneth Vela
- Company: Entre hilos & algodón
- Workstation: Owner
- What kind of products do you produce? : Doll craft products

### 2. The problem

- What is the problem to be solved?

Obtain costs of products that will go to market.

- Why does this problem exist?

It exists because it consumes too much time and has to do it constantly due to the change in the prices of the raw material that it uses to make its product.

- How do you solve the problem now?

The calculations are done manually, so it is time consuming; In the same way, this calculation is not fixed due to the updating of prices that it presents.

- How would you really like to solve the problem?

The system helps me to be able to perform the calculations quickly and efficiently in order to optimize time, having a place where I can enter the prices of the raw material each time I purchase the product.

- What is the problem to be solved?

Inventory organization

- Why does this problem exist?

Because she do not has a correct organization, then she do not know how much product she has in stock, this makes she difficult for she when you need the product, she waste time looking if she has a product

- How do you solve the problem now?

The product is stored in boxes, but without having a specific order, this causes wasting time and not knowing exactly what products are in stock.

- How would you really like to solve the problem?

She would like the software to help she better organize her products, to show she the image of my product with its name, to give she a

description, and to know how much is in stock with its due price in the market and for this price to go updating according to the prices of materials that are used in that product

### **3. User Environment**

- Who will be the user/s of the system?

The system will be used by a person, in this case, Mrs. Jeanneth Vela, who would be the only user and who is also the owner of the enterprise.

- Would the user/s have experience in the use of software programs?

The lady has experience in Accounting Systems

- What are your expectations regarding the ease of use of this application?

That the system is efficient; that it does not fall, be fast, the results of the calculations are correct.

That shows a reminder of her agenda, what is her next deliveries

To give her a report after a time that includes: Product in stock, upcoming deliveries. (The time of each report is yet to be defined)

That the system indicates the images of all your products and that there are no names of the same product with different names

When you reach a certain number of products in stock, the system informs you so that you are aware and replenish the product. (Minimum number is to be defined)

- What type of information will the system store? (input)

Storage of Images of the product with its name, a brief description, how much is in stock and its price.

Agenda in which to include upcoming deliveries

Information from your suppliers.

- What types of documentation do you need? (output)

The report of product in stock, information of payments to suppliers. All this can be saved to a file or printed, plus the user can choose how much information is printed

- What interfaces are going to be established?

A tab that allows you to calculate your costs

A tab that allows you to view all your inventory with the corresponding information

A tab where your delivery schedule is located

#### **4. Verification**

- What is considered a “correct” result?

For the system to be "correct" it has to be efficient, agile, understandable, not crashing, fast, automated, all this in order to optimize your time and therefore not waste it.

- What are the restrictions?

That the system indicates the photos of your products with their names so that there are no same products with different names

That allows her to print or download the information she wants

That the user creation be through the administrators, to avoid problems with outsiders who enter the system

The system will be used on a laptop

#### **5. Summary to validate the Understanding of the problem**

In summary, the problem of Mrs. Jeanneth Vela

It is the time you spend calculating your product costs, whether raw material, payments to suppliers, and product price; In addition to the organization with the product inventory and agenda.

#### **6. Evaluating analyst solutions**

The solution for the problem presented by our client is that we will make a program where it will allow her to do all the calculations that she needs; In the same way, you will have an option to organize your inventory, which will include an image of the product with its respective name, a description, its price and how much is in stock; and finally a reminder of your next deliveries and what products are starting to get scarce.

#### **7. Other requirements**

That the program allows you to download the image of the product, print or save the information you want.

Interview Youtube link: <https://youtu.be/ZRHj5BEeDfw>