

Universidad de las Fuerzas Armadas "ESPE"

ingeniería en Software

Integrantes: Escobar Isaac, Félix Cristian, Gonzales Ariel, Gualotuña Richard.

NRC: 3682

Fecha: 07/06/2021

Nombre del Profesor: Jorge Edison Lascano

Workshop: Finding Objects, then classes, then model

INNOVA CODE

Problem

In this **case** we need a **system** that is capable to calculate the **quantity** of **products** the **store** has in **order** to have a well-organized **inventory**. The **objective** is that the **system** can advertise the **customer** when a certain **product** is about to end the **stock**, if this **product** was highly **requested** or bought taking into **account** the **time** this certain **product** was sold and if it's a good **option** to know if this **product** has to be more bought.

Overview

Time advances and we must advance with it, **cell phones** have become an indispensable **instrument** in the **daily life** of **humans** in the **21st century** since the **technology** they cover grows exponentially and in these **times** they help us to carry out most of the **activities** that we perform in **everyday life** regardless of what we do. Due to this, our **company** has focused on the **development** of a **program** that can help a **cell phone store**, this **program** will be able to carry out an **inventory management** of the **store**, of the **products** that enter, leave and those that are kept in the **warehouse**, thus maintaining a good **organization** and facilitating the **work** of the **owner** of said **enterprise**.

Background

The **fundamental objective** is to develop **software** capable of **managing**, **registering** and **keeping accounts** of the **products** offered in a **cell phone store**. In **order** to have **transparency** when carrying out any **commercial transaction**, and even have a certain guarantee based on the **software**.

In these **types** of **stores**, certain inconsistencies in **inventories**, income and **expenses** are very common, mostly due to **human errors**, which is why it is sought to **automate sales** and **clothing records** to a certain **extent**, to minimize **waste**. **risk of errors**.

In a **stock market**, all **companies** and their **actions** are identified. by **symbols**, which are short **character strings**. For **example**, in our case it is **INCD**

The **problem** raised above can be solved thanks to the **administration program** and a **series of identifiers** in the form of **acronyms**, which represent certain basic **data** input and output **actions** within the **software**

Table 1 – Products

Products		
Features		
Name		
Model		
Condition		
Purchase Price		
id_products		
Existence		
Sale price		

Table 2 – Invoice

Invoice	
Customer name	
Iva	
Date	
Id_Invoice	
Total_Invoice	
Condition	
Sub Total	

Table 3 – Seller

Seller	
Name	
Last name	
Id_seller	

Table 4 – Sale Detail

Sale detail		
Total_sale		
Discount		
Quantity		
Price		
Id_sale		

Table 5 – Client

Client	
Name	
Last Name	
identification card	
Phone	
Address	
client_id	