



# ESPE

UNIVERSIDAD DE LAS FUERZAS ARMADAS  
INNOVACIÓN PARA LA EXCELENCIA



## Object Oriented Programming

NRC:7996

### Fashion Store Management Software Project

#### System Description

#### Group 5

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**Problem:**

We need a system to help in the management of a shop dedicated to the production of customized dresses. To understand what the program needs to do, it is necessary to understand a little bit about the dress production process, knowing that the time needed to manage all the orders in a handwritten notebook takes a long time and can be susceptible to data loss or deadline crossing.

**Overview:**

In the realm of fashion, clients tend to base their orders on models that the designer has previously made as a form of proof of the work that the designer offers. When the client trusts the work that the designer has already done, then that client wants to know something about the history of the store and the due process that is required for the delivery of the order.

**Background:**

If we think about the creation and advice of dresses we could define it as the application of the principles of art and design to the garments and accessories that people use. All this within the scope of fashion, taste and needs of each person who requires this service in this case that person is the client

This dress store is located in the parish of Sangolquí, it's a family business builded in order to deliver to its customers dresses of the best quality. At this business, the main worker is Miriam Tul, who fulfills the role of manager, fashion designer, dressmaker. She is the only worker at the place and it's difficult to manage the time to handle all these roles in a correct and orderly way.

At the time of making and creating a dress, several characteristics are identified such as measurements of different parts of the body, customer tastes, customer needs, advice to the customer for the design of the dress and for what occasion this product is going to be used. In addition, we can add that previously made works can be shown in order to have a better idea and to be able to follow a more adequate way to make the dress.

Starting with the role of manager, Miriam opens and closes the store every day, checks on the day's customers, keeps the store clean and tidy, manages customer payments, etc.

The customer will come to the store and talk to Miriam for advice according to her needs and the occasion. Miriam will take into account everything the client tells her and all these ideas will be written down, to make a possible model of the dress, an approximate price will be quoted, which may vary depending on future modifications to be made. After a short period of time the client will come back to check how the product is coming along and to mention if any modifications are needed. After another period of time the client will return to get her finished product and make the respective payment for this same product already created with all the needs that were previously discussed.

Finally, she fulfills the role of dressmaker by using her skills and knowledge of seamstress taking care of the details and following the model chosen by the customers.

All this is done on a much larger scale since we are not only working with a single customer but with several at the same time and the delivery periods of each one can be very close to each other. Therefore, to keep track of them, a tool is used which is an agenda of the establishment in question and that will carry customer data such as: customer name, customer order number, customer's

personal data, data of the different measures of the client, price of the dress which itself varies if they have extra modifications, field for modifications of the dress and a calendar where the date of delivery of the product will be agreed. All this to maintain a strict order and not to create conflicts with different customers and incorrect delivery dates.