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FINAL PROJECT REPORT

STORING AND RETRIEVING DATA

Group 11

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Business Description

This project revolves around the business Danyany Estética Avançada, a beauty salon. The salon has a diversity of services, namely, laser hair removal, massages, body and facial treatments, manicures and pedicures. It also sells products related to these services.

Currently, Danyany Estética Avançada only has one location in Figueira da Foz, Portugal. It has three beauticians employed and has the capacity to have eight customers to be served at the same time (in the hypothetical situation where there are eight employees).

Like most beauty salons, the clients of this business can schedule an appointment by phone or physically at the store. For each appointment, a client is able to schedule multiple services if there is availability do them simultaneously or consecutively (there is also the possibility of returning several times to the store in the same day if it is convenient for the customer).

One appointment is the provision of one service or multiple services without interruption. For each one of them, a record of the services given to each client is kept in the physical agenda as well as measures and settings of the machines used for the services that require keeping track of that data on paper. This helps the beauticians to know what each client needs are and what are the adjustments needed for a more personalized and safe procedure.

At the end of each appointment, the client can leave a rating about each service. This lets the beauty salon know how satisfied their customers are and where there is room for improvement.

The store has several products in stock, both for sale and for own consumption, however, there is no inventory of any kind to keep track of quantities. When a product for own consumption is finished or at its end, a call is made to the supplier of that product to order it. Products for sale are ordered depending on context.

We created a database to digitalize the data about the appointments, clients, employees and services, to create a stock inventory. We expect to improve the processes, putting all the data of the business together in one place, in a structured manner and making it accessible in an easy way.

With this database one easily makes appointments with a smaller margin of error (on a busy day, employees can make an appointment for less time than the service requires), can access client's historical data in less time with no need to manually search through sheets of paper and can make products request to their suppliers before the stock ends.

Entity-Relationship Diagram

