**CIS2109 Final Project**

**Group 1: Beauty Salon**

Finalized business rules:

Synopsis: A beauty salon needs to keep information about customers, employees, managing appointments, and scheduling employee work hours.

1. Our beauty salon offers two types of **offerings**: **products** and **services**, both identified by an offering ID, name, description, and price.
2. **Employees** are identified by an employee ID, first name, and last name. Employees are of one specific type, (ex: stylist, makeup artist).
3. **Customers** can book **appointments** for **services**. Customers request these services, and the total time needed for the appointment is estimated based on these requests.
4. Each **appointment** has an appointment ID, deposit fee, date, time, and cost, and is associated with one employee and one customer.
5. Each **employee** can perform any number of services. Additionally, each employee fills out any number of preferred **timeslots,** (identified by timeslot ID, day of the week, start time, and end time), which allows for the creation of a **schedule**.
6. A **schedule** is identified by a schedule ID. The schedule is associated with one timeslot ID and one employee for each given day.
7. Customers can make any number of **payments** for any number of offerings (products or services). The quantity of offerings purchased is recorded for each payment.
8. **Products** are detailed in the **supply orderline**, identified by orderline ID, quantity, and purchase price.
9. Each orderline is supplied by one **supply order**, although each supply order may be associated with any number of **supply orderlines**.
10. The salon keeps track of **suppliers** through identifiers such as the supplier ID and name. Each supplier provides any number of supply orders.

A diagram of a company

Description automatically generatedER Diagram: