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## Computer Science Department

## Database Systems 333

Software Requirements for [Sport Shop Online]

[Group No: 8]

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## Summary

We would like to show you our project about the online Samman sport shop database. This database contains the whole data of all items in the shop, customer information, and delivery company. Then, design an online shop system to sell items to the customers using a website.

## Introduction

Our project is talk about sport shop online. Our client is Amr Samman who has a sport shop, and he has several brands for different things, like clothes for sport, bags, gloves, … etc. And he has a problem: he tries his hardest all year to know what he sells or whom he sells. Also, some people from other countries cannot reach the sport shop, so we decided to open to him a website that has all items in the market so that people can buy anything online with a delivery service.

Our customer’s information is:

Phone number: 0569110088

## Data Requirements

We will show the structure of the sport shop online [Customer, Cart, Delivery Company, Warehouse, Item, user, and others].

* The shop has many warehouses in different locations. The warehouse has an id, name, and location.
* Warehouse contains many items.
* The user can enter the program as an admin or as a customer.
* An admin has the same permission as a customer in addition to full control over the system (such as changing the quantity of a specific item).
* The customer can pay for more than one item and put them in a cart.
* The delivery company delivers the item from the warehouse to the customer.
* The customer has an email, name, phone, and address.
* The customer can have more than one phone number.
* The delivery company has an id, name, location, and number of vehicles.
* An item has an id, name, color, size, brand, and Category.

## Technology

We will use Windows 11 as an operating system, the DBMS “MySQL” to create the database, java language, and java development kit “JDK 18”.

## ER-Diagram

