Daraghmeh Company

Database class project 2021/2022

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| Student Name in English | Student Name in Arabic | Student ID | Section | Work percentage |
| Mohammad Bdair | محمد أحمد بدير | 12027880 | 1 | 99% |
| Mohammad Ahmad | محمد عزمي أحمد | 12028676 | 1 | 1% |

Date/time

---------------------------------------------This section is intended for the Instructor---------------------------------------

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| --- | --- |
| **Topic** | **Mark** |
| Project Requirements and Modeling |  |
| Correctness of Database mapping |  |
| Functional Dependency and Normalization |  |
| Project Tools |  |
| Project Discussion |  |
| Project Completeness |  |
| Project Output Results or reporting (JasperReport, charts, graphs, etc.) |  |
| Project Administration and Management |  |
| Project Report |  |
| Project Idea |  |
| Project Complexity |  |
| Team work |  |
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# Abstract

Our project organizes Daraghmeh Company, which is a clothes trading company. The project organizes the company’s departments, warehouses and employees on many aspects, in a way that all information stay connected and related to each other to prevent data loss. The project also has a user-friendly interface and many features to make it easier for each employee to deal with.

# Introduction

We chose Daraghmeh clothing center that is located in Nablus as the target of our project’s information source, we visited it and asked one of its supervisors about the nature of its data flow, how each manager is distributed on the department/warehouse that he manages, then the nature assistants’ and cashiers’ work.

We asked them about what program would serve them the most, which turns out to be a program that organizes the managers on each department and warehouse. Which also saves and retrieve suppliers information, and most importantly, saving information about every dress sold or imported.

We collected the information that we needed, then we summarized them into simple and organized points so we can make a full functioning program based on them.

# Requirements

\* The company is organized into **departments and Warehouses.** Each **Department** has a Unique ID, name, single location, **warehouses** that provides it with **clothes**, one **manager, assistants,** and **cashiers** who work in it.

\* Each **Warehouse** has a unique ID, single Location, name, capacity and a **manager**.

**\* Employees** in a department have unique id, name, salary, hire date, birthdate, id card and a CV and can have more than one phone number. The managers have their own office telephone number and a special email address.

**\* Assistants** have their Section that they are assigned to.

**\***Only the **owner** of the company can add new **departments** and **warehouses** and assign **managers** to them.

**\* Department Manager** employs workers and assistants for the department. And he can import clothes from a warehouse.

**\* Warehouse Manager** can choose or add suppliers to receive clothes from.

**\* Cashiers in departments** Sell **Clothes, each piece of clothing** has a unique ID(barcode),Whole sale price, price, color, type, brand name, size, preview if available, over all stock and a specific **supplier** who supplied it.

**\*** A **Warehouse** can provide multiple **departments** with **clothes,** and a **department** can receive **clothes** from multiple **warehouses**. We keep track of each piece of clothing provided from a warehouse to a department.

**\* Suppliers** supply **clothes** for the **Warehouses,** we keep track of each shipment that is shipped to every **warehouse.**

**\*Suppliers** have unique ID, name, multiple locations, telephone number and shipment cost.

\*The data base keeps track of all clothes in it, from the moment they are supplied to a warehouse, to when it is imported to department until it is sold.

Tools used in the project

* JavaFX Libraries.
* Github.
* Draw.io.
* NetBeans apache.
* SQL developer.
* JasperReport.
* Scene Builder.
* VMware.
* SQL Plus.
* JasperSoft Studio.
* Icons8 (Pichon) for icons.

GUI Program

Program