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RV Institute of Technology and Management®
Department of Computer/Information Science and Engineering
JP Nagar, Kothanur, Bengaluru - 560076

21CSL55: DBMS LABORATORY WITH MINI PROJECT

CLOTHING INVENTORY AND SALES

Presentation

Presented by:
Likitha B.K (1RF21CS064)
Manas S Kulkarni(1RF21CS065)
CSE
Batch 28

Under the Guidance of:
Mrs. Nandita Bangera
Professor
CSE Dept, RVITM

Agenda

- Introduction
- Literature Survey
- Proposed System
  - Motivation
  - Objective
- Hardware and Software Specifications
- Methodology
  - ER Diagram
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  - Modules

INTRODUCTION

- Our database system is designed to efficiently manage and process data related to the **Stock** and **Sales**within the clothing inventory.
- The clothes production is classified into two main categories: "**Gents**" and "**Ladies**”.
- Within each category, a range of clothing types is included according to customer preferences and trends.
- Key parameters such as SIZE and PRICE are the primary attributes of the stored data.

Literature Survey

Related Papers :-

Year	Title	Authors	Description
2006	**Design of Distributed Data Warehouse for Sales Decision of Large-scale Clothing Enterprise**	Ye Zheng Yang Chunjie Song Zhihuan	A Model of distributed data warehouse, for sales decision support system in clothing industry.
2021	**Comprehensive Information System for Management of Personalized Protective Thermally Active Clothing**	Rafał Kotas Marek Kamiński Wojciech Tylman Sebastian Woźniak Michał Wojtera Anna Dąbrowska	The goal is to present the IT platform that was designed and developed for control and monitoring of the thermally active clothing.

Proposed System

- **MOTIVATION**:-

The motivation behind our proposed Clothing Management System is to enhance the management of clothing inventories.

- **OBJECTIVE**:-

The focus is on optimizing data management, improving inventory accuracy, and providing insightful reports for informed decision-making.

- **NOVELTY**:-

The system's ability to handle diverse clothing types under specific categories and its streamlined approach to recording sizes and prices make it a novel and efficient solution for clothing inventory management.

Hardware and Software Requirements

1) Hardware Requirements :-

Laptop/Computer :- With sufficient storage, Internet connection and 64-bit processor.

2) Software Requirements :-

Compatible OS :- Windows,Mac,.etc.

Text Editor :- VS Code (preferably)

Web Browser :- Chrome,Firefox,Edge,.etc.

Database Management Tool :- MySQL or SQLite

Front End Tool :- Python/Javascript Editor

Version Control :- GitHub

Methodology

- **FRONT END** :- A website using HTML,CSS,Javascript..
- **BACK END** :- Favourable back-end tool to be able to sync with SQL(database), like Django and flash(python),react.js,.etc.

- **MODULES:-**

1)Admin :- The Admin module will be responsible for user authentication and access control.

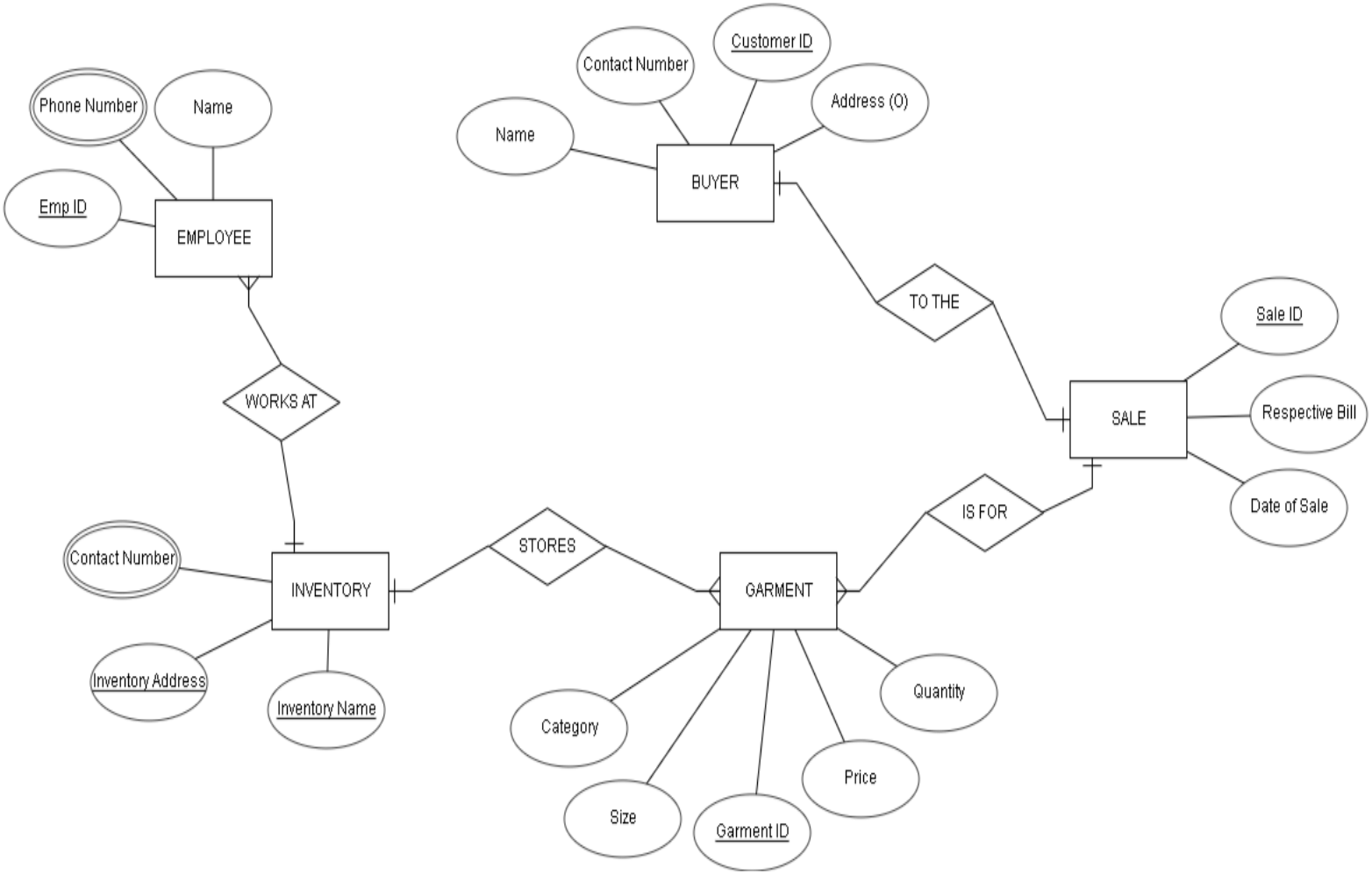
2)Main page:-The Main Page module serves as the central dashboard, providing an overview of critical information such as total stock and recent sales.

3)Clothing:-The Clothing module handles the display,addition, modification, and deletion of clothing items.

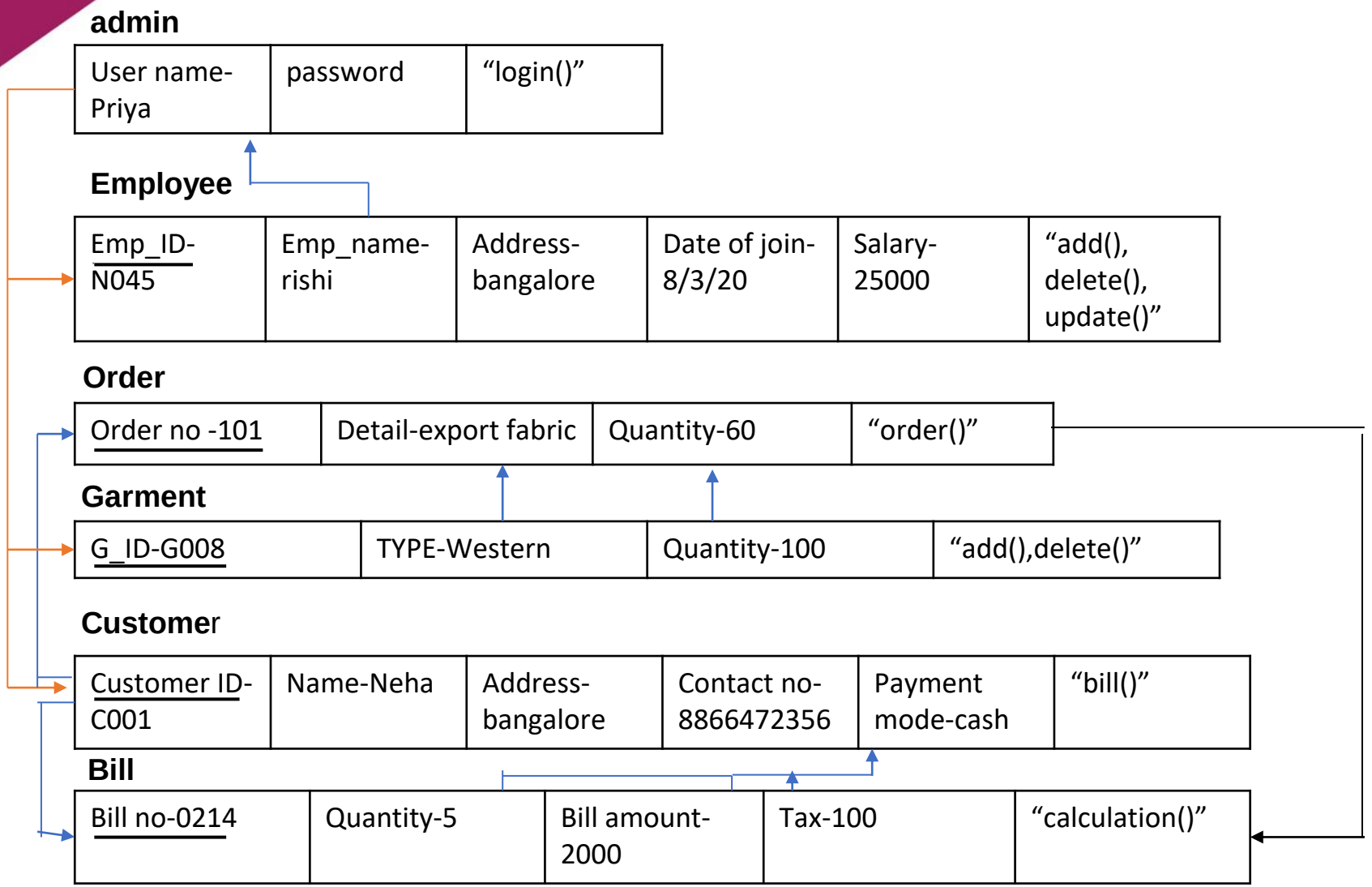
4)Sales:- The Sales module facilitates the recording of sales transactions.

Methodology

ER Diagram



Schema Diagram



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THANK YOU