

# GanaSalesLite

Web-Based Sales and Customer Management System

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# Acknowledgement

This project, "**GanaSalesLite**" has been an invaluable journey, allowing us to delve into the depths of our knowledge and skills. We extend our heartfelt gratitude to our project supervisor, **Mr. Suraj Khatri**, and the **Faculty of Management, Tribhuvan University**, for exceptional guidance, supervision, and invaluable insights that were instrumental in the successful completion of this project.

# Introduction

## GanaSalesLite

A pioneering web-based Sales and Customer Management System designed to redefine business operations at **Ganapati Enterprise**. From intuitive product management to real-time sales tracking and seamless customer relationship management.

# Company Background

Ganapati Enterprise operates as a wholesale distributor, facilitating the flow of cosmetic products from vendor to retailers through reliable distribution services.

Company Type: Small Enterprise

Location: Devdaha, Rupandehi

Business Focus: Cosmetics Products Distribution

Managed By: Single Entrepreneur (Owner)

# Problem Statement

- ▶ Inefficient Data Management
- ▶ Time-Consuming Sales Process
- ▶ Lack of Real-Time Inventory Overview
- ▶ Difficulty in Generating Reports
- ▶ No Centralized System

# Objectives

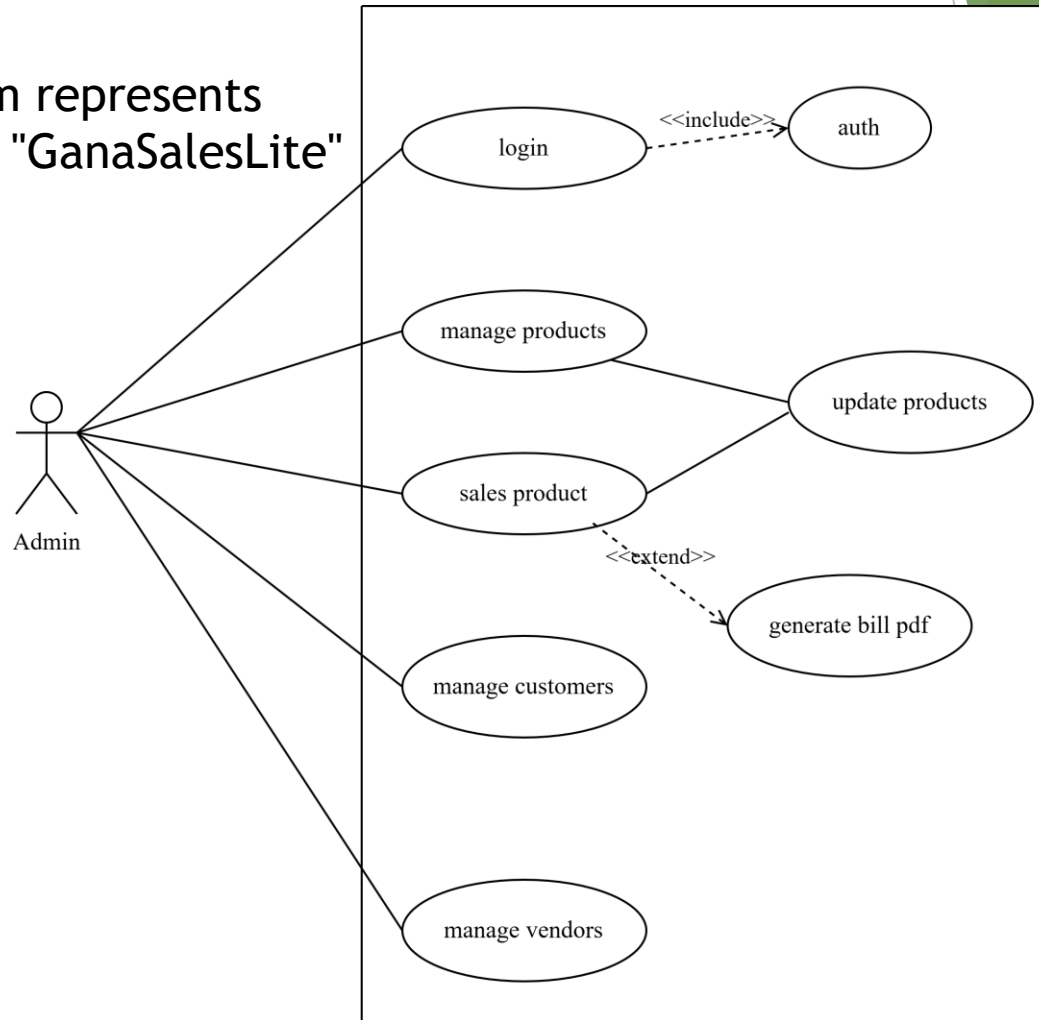
- ▶ Simplify daily business operations
- ▶ Provide centralized platform
- ▶ Assist in informed decision-making
- ▶ Ensure ease of use and accuracy

# Functionalities

- ▶ Admin must securely log in and log out with access restricted to authorized users.
- ▶ Admin must be able to add, update, delete, and view products along with their categories.
- ▶ Admin must be able to manage customer details, including adding and updating information.
- ▶ Admin must be able to record sales with multiple items, and the system must automatically calculate the total and generate printable bills.
- ▶ The system must update inventory levels after each sale and alert for low or expired stock.

# Use Case Diagram

The use case diagram represents the role of **Admin** in "GanaSalesLite" system interactions.

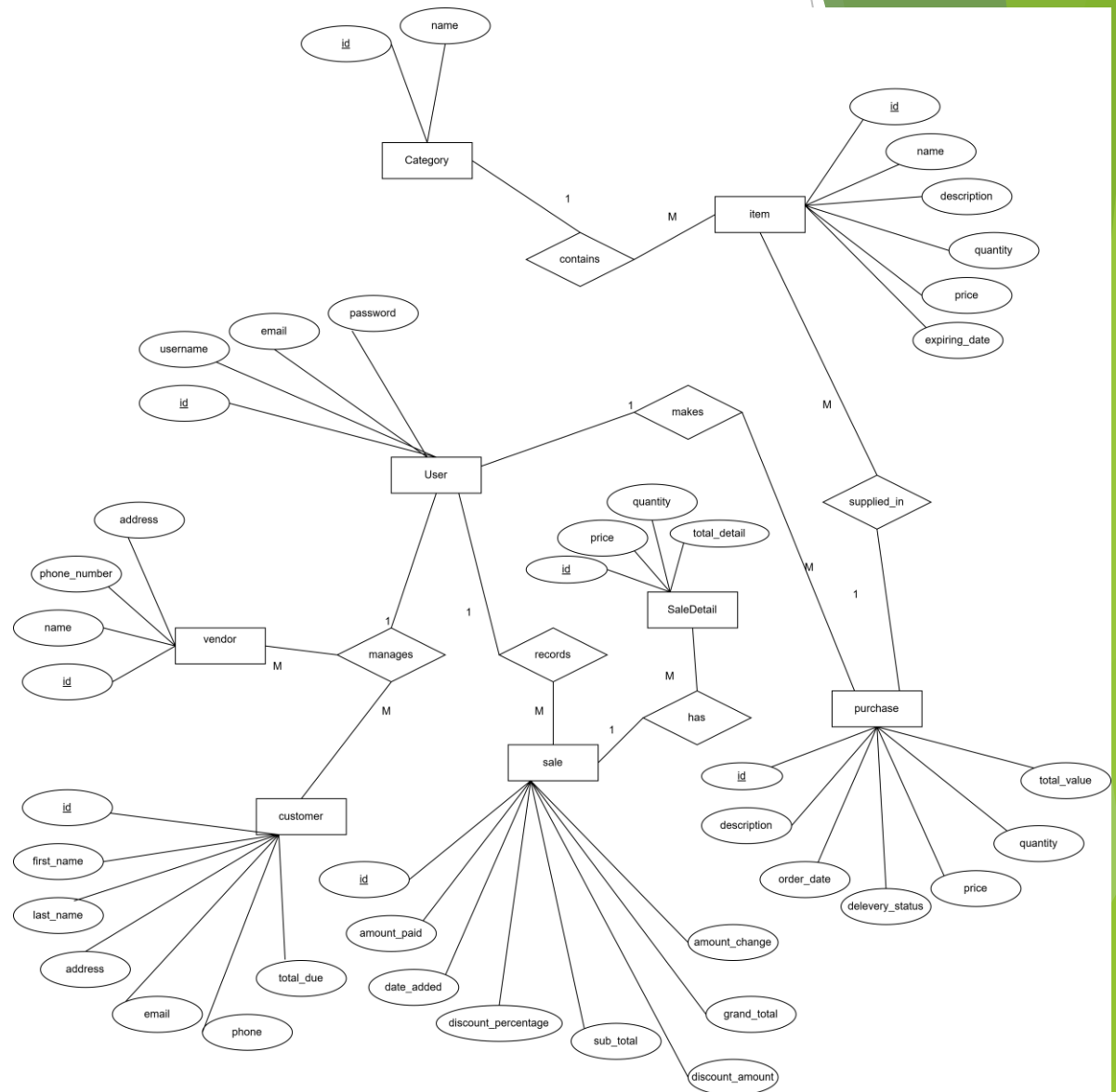




# Entity Relational Diagram

This diagram serves as a visual representation of how entities such as admin, products, customers, and sales relate to each other within "GanaSalesLite".

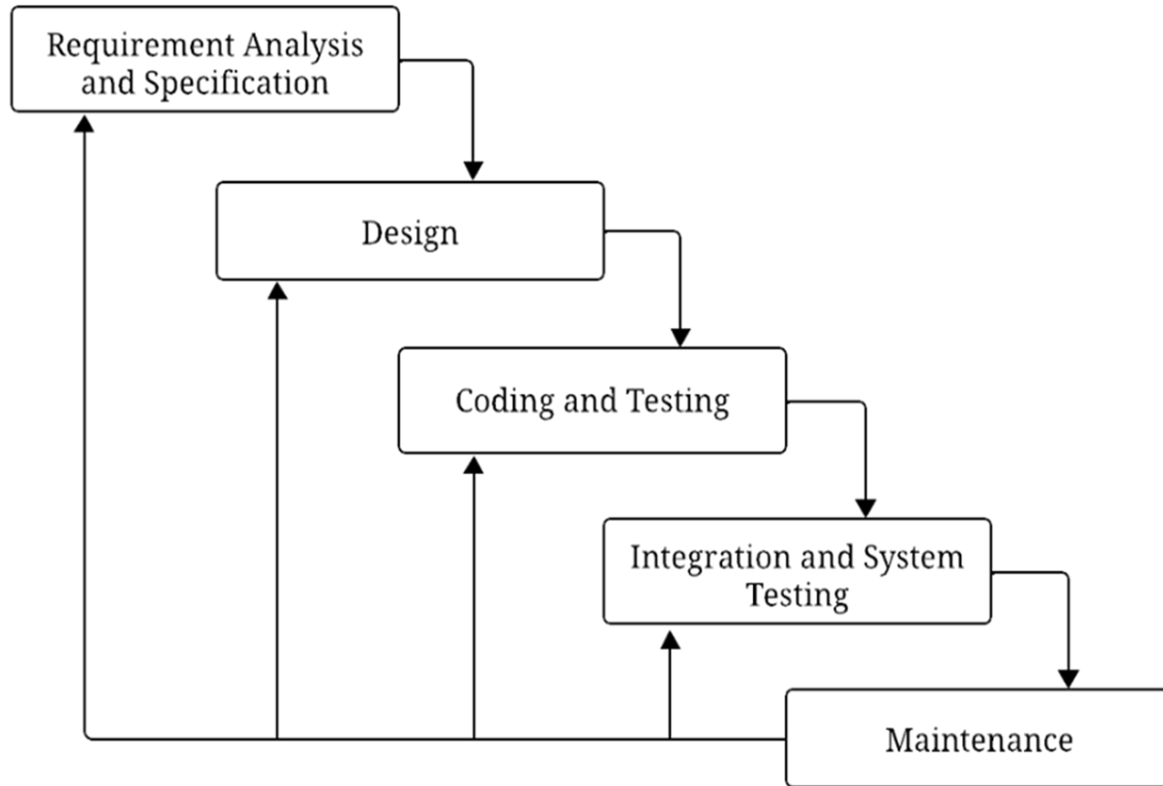
Ultimately, the ERD plays a crucial role in designing and implementing the database schema for "GanaSalesLite" ensuring efficient data management and seamless user experiences.



# List of Entity

- ▶ User
- ▶ Products
- ▶ Customer
- ▶ Sales Details
- ▶ Purchase Details
- ▶ Category
- ▶ Vendors

# Software Development Model



"GanaSalesLite" adopts an **iterative waterfall** software development model, encompassing key phases to ensure a robust and efficient sales management solution.

# Outcome of GanaSalesLite

- ▶ Enhanced Operational Efficiency
- ▶ Streamlined Sales Management
- ▶ Centralized Data Repository
- ▶ Simplified Inventory Management

# Tools & Technologies

## **Design Tools:**

Draw.io for diagram design

## **Development Stack:**

- ▶ **Backend:** Python with Django framework
- **Database:** PostgreSQL
- **Frontend:** HTML5, CSS3, JavaScript, Bootstrap
- **Development Environment:** Visual Studio Code
- **Version Control:** Git & GitHub

## **Documentation:**

Microsoft Word

A decorative card with a cream-colored background. The words "Thank you" are written in a gold, cursive script font, centered on the card. The text is surrounded by a border of green, leafy branches, possibly eucalyptus, which are painted in a watercolor style. The card is set against a background of green geometric shapes.

*Thank  
you*