

# [FINAL PROJECT.D-B]

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### **Project Overview:**

For this project, we will create an **Online Mobile Shop Database System** with a focus on managing products, customer orders, carts, and feedback. The system will support two distinct types of activities: customer interactions and store management.

**Customer Activities:** Customers will be able to browse mobile products, add items to their cart, place orders, and leave reviews based on their shopping experience.

**Management Activities:** The store managers will be able to manage carts and cart items, and view customer feedback for business improvement.

The system will be connected to a **MySQL database**, where all critical data including customers, products, orders, carts, cart items, and reviews will be stored and organized. The database design will use Entity-Relationship Diagrams (ERD) and normalization to ensure efficient storage and minimal redundancy.

Overall, the goal is to develop a simple yet powerful database that supports smooth online shopping operations and provides essential insights for business management.

### **Planning Phase**

#### **PURPOSE:**

The purpose of this database project is to design and build an online mobile shop. It will manage customer information, **products, categories, carts, cartitems , orders and Reviews**. This project will help me understand how real-world databases work and how different parts of a system are connected. It will also improve my skills in planning, designing, and writing SQL queries.

#### **AUDIENCE:**

Clients or Small Business Owners: This database can be useful for people who want to sell their products online. It helps manage products, customers, orders, and income in an easy and organized way.

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**TEACHER:**

My teacher will check this project to grade my work and see how much I've learned and understand the concept of database .

**FUTURE PROJECTS AND PERSONNEL USE:**

I can also use this project later to build more advanced systems or include it in my portfolio to show my skills when applying for jobs, internships, or other opportunities.

**FOR SEMMESTER PROJECT:**

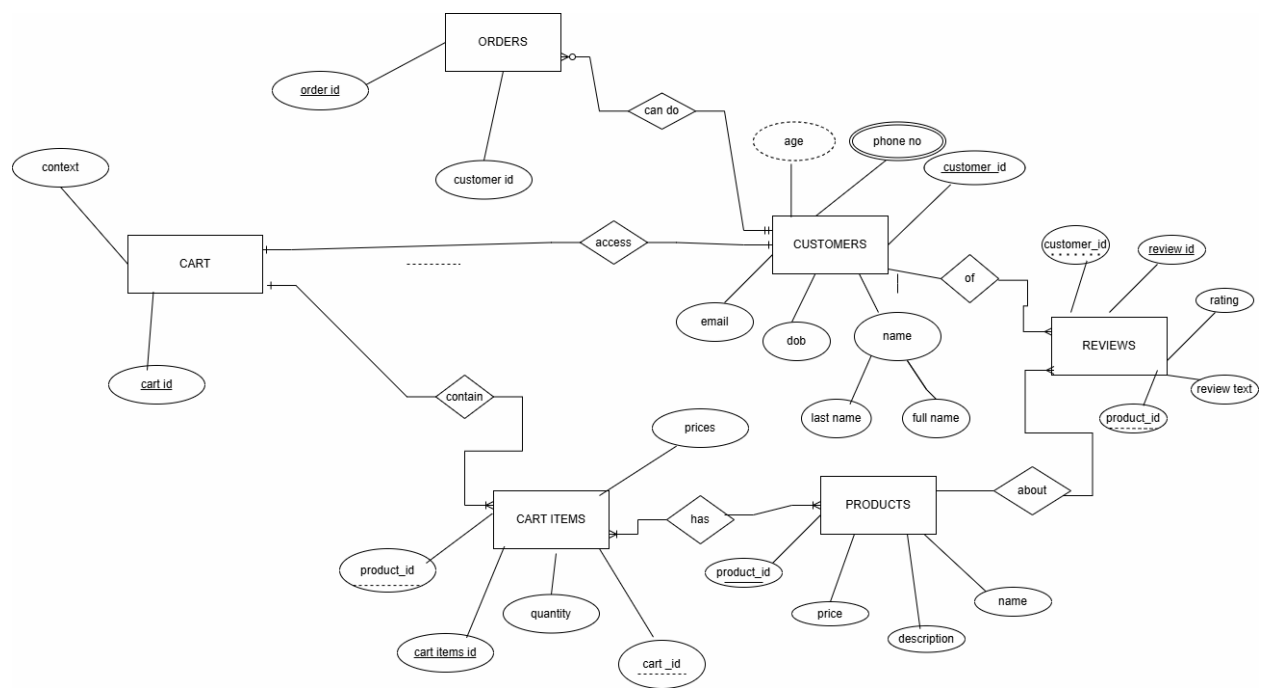
I can submit it to the teacher as the semester final project.

**Tables & Their Purpose:**

Customers	It contain the information about the people who place orders
Products	It contain the information about products and items that store have
Order	Contains information about customer orders
Cart	It contains the temporary storage of products selected by a customer before placing an order.
Cart items	It contains the detailed list of products inside a customer's cart, including product ID, quantity, and price
Reviews	Customers reviews with rating and comments

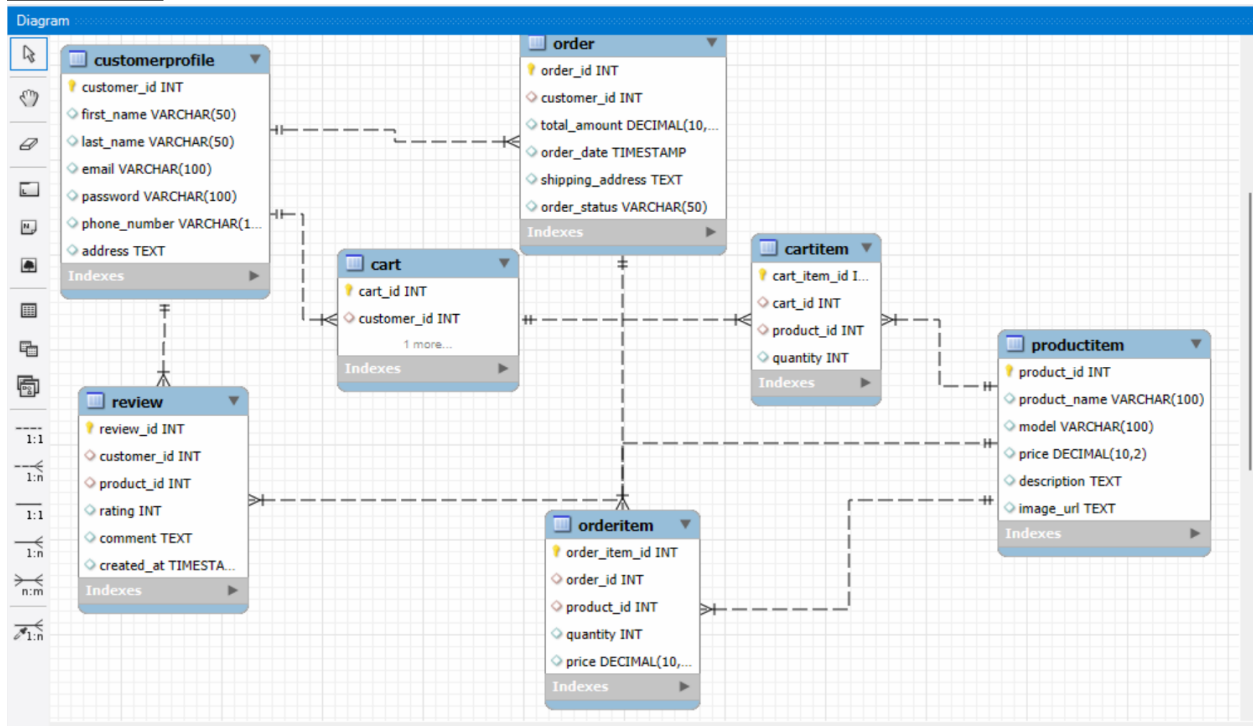
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## ERD DIAGRAM



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## SCHEMA



Repository link from previous website:

<https://github.com/abdullah0501232/index.git>

Repository link of database project phase 1:

<https://github.com/abdullah0501232/abdullah-242788.git>