

# कलाhaat

## Supporting Small Businesses and Home Sellers in India

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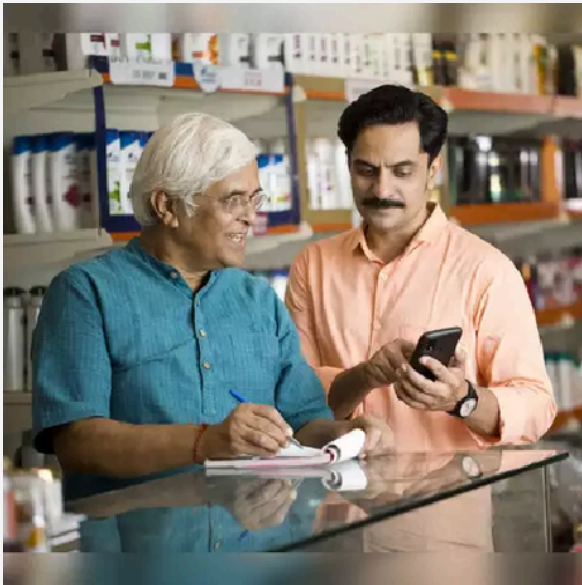


### The Project Scope

This project aims to develop a unified platform for small businesses and home-based sellers in India to showcase and sell their products. The system will simplify the process of selling, marketing, and fulfilling deliveries for local sellers while providing buyers with an easy and convenient shopping experience.

The platform will allow sellers to create profiles, list their products with descriptions, prices, and images, and manage inventory. Buyers can browse products by category, search for specific items, and place orders. Delivery logistics will be integrated into the platform, ensuring a seamless transaction from order placement to delivery.

# About this topic



## **Empowering Small Businesses in India**

With the growing popularity of e-commerce, many small businesses in India struggle to find a platform to showcase their work and compete with large-scale industries. This platform gives an accessible and affordable way to reach a wider audience, supporting economic growth and preserving traditional crafts.



## **Promoting Local and Sustainable Commerce**

As consumers shift towards ethical and sustainable shopping, this system highlights handmade, locally-produced goods, reducing the reliance on mass-produced items. It fosters a community-driven ecosystem where buyers can support small sellers while enjoying unique, authentic products.

**"Small businesses are the backbone of the economy and the lifeblood of communities."**

**– Shiv Nadar, Founder of HCL Technologies**

# Core Requirements

## **Seller Management**

- Profile creation for sellers, including details like name, address, contact information, and verification status.
- Product listing management, including product images, descriptions, categories, prices, and stock quantities.
- Seller dashboard to track orders, earnings, and reviews.

## **Buyer Management**

- Buyer registration and login.
- Search and filter options for products (e.g., categories, price range, seller ratings, location).
- Cart management for products.
- Review and rating system for products and sellers.

## **Product Management**

- Options for sellers to mark items as "handmade" or "customizable."
- Automated stock management based on sales.
- Order and Delivery Management
- Categorization of products into predefined categories (e.g., jewelry, art, clothing, etc.).

## **Stakeholders**

- Sellers – Small business owners and home-based sellers.
- Buyers – Customers purchasing products.
- Delivery Partners – Handling order fulfillment.
- Platform Administrators – Managing platform operations.
- Payment Providers – Facilitating transactions.
- Government & Regulatory Bodies – Ensuring compliance.



# Functional Requirements

## Entity Sets

- Sellers
- Buyers
- Products
- Orders
- Delivery
- Reviews

## Relationships

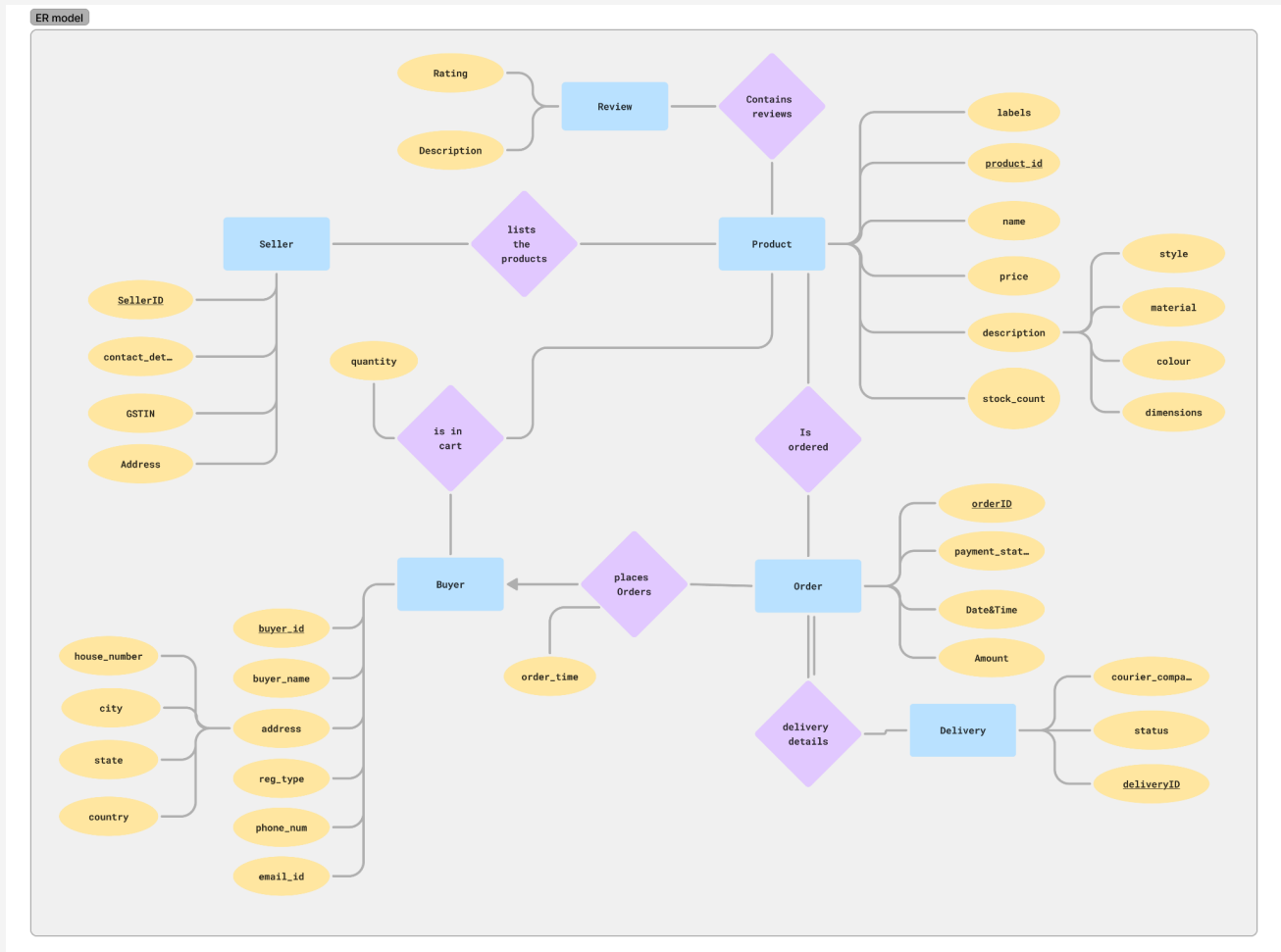
- Buyers ↔ Products: A buyer may order many products. Many buyers can order a product.
- Orders ↔ Products: Each order can consist of one or more than one product. Every order will have an OrderID linked with ProductID for it.
- Orders ↔ Delivery: Each order will have a maximum of 1 delivery detail.
- Products ↔ Reviews: A product can have multiple reviews.
- Buyers ↔ Orders: A customer places many orders, but each order belongs to one customer.

## Tech Stack

- Python
- HTML
- CSS
- Django /Flask
- JavaScript
- ReactJS
- MySQL

# ER Model

[https://www.figma.com/board/QASyhtMORJAIMSQiBwVOWP/ER\\_Model?node-id=1-1094&t=GKMswFWm63MkI10P-1](https://www.figma.com/board/QASyhtMORJAIMSQiBwVOWP/ER_Model?node-id=1-1094&t=GKMswFWm63MkI10P-1)



## Sources

AI searches to identify and define the properties of a product to create attributes

Took inspiration from popular shopping platforms like Amazon and Flipkart

Referred these for ER Model:

<https://creately.com/guides/er-diagrams-tutorial/>

[https://en.wikipedia.org/wiki/Entity-relationship\\_diagram](https://en.wikipedia.org/wiki/Entity-relationship_diagram)

<https://www.lucidchart.com/pages/er-diagrams>