USER REQUIREMENT SPECIFICATION

E-trolly: E Commerce Platform

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1.Introduction

- Purpose of the project

  - To create a user-friendly and secure e-commerce platform tailored to the needs of small-scale sellers in India, empowering them to expand their businesses digitally while providing a convenient and reliable marketplace for Indian consumers.

- Scope of the project
  - The platform facilitates online sales of a diverse range of products, connecting sellers and buyers securely across India. It enhances transparency through user reviews, and it serves as a platform for retailers to reach a wider audience.

2.Project Description

- Project overview
  - This project involves developing a platform for both customers and sellers. Customers can browse and purchase products, while sellers can list and manage their items, track sales metrics, and receive notifications.

- Major project functionalities
  - User Registration and Authentication
  - Shopping Cart Facility
  - Seller Features
  - Rate and Review
  - Payment

3.System Features and Function Requirements

- **System Feature 1: User Registration and Authentication**
  - ➢ Entities Involved: Customer, Seller
  - ➢ Input Required for Execution:
    - o Customer Registration: Name, email/phone number, password
    - o Seller Registration: Name, email/phone number, UPI ID
    - o User Login: Registered email/phone number, password
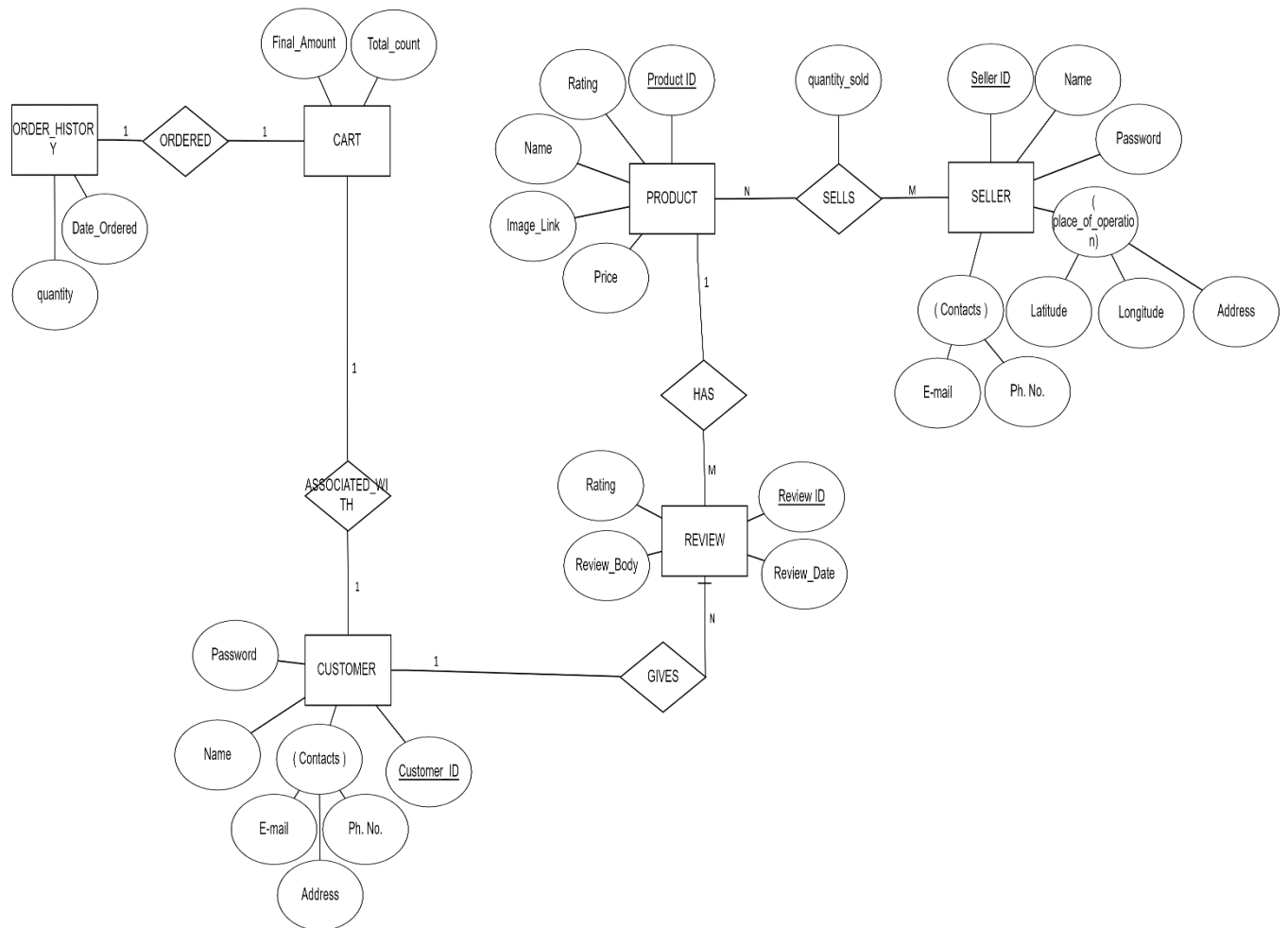   - o User Account Edit: Ability to edit account details in the profile

- **System Feature 2: Shopping Cart Facility**
  - ➢ Entities Involved: Customer, Product, Cart
  - ➢ Input Required for Execution:
    - o Add Items to Cart: Selecting products for purchase, quantity adjustment
    - o View Cart: Accessing the cart to review selected items and total cost
    - o Remove Items: Deleting items from the cart
    - o Purchase: Confirming the order by clicking "Proceed to Buy"

- **System Feature 3: Seller Features**
  - ➢ Entities Involved: Seller
  - ➢ Input Required for Execution:
    - o Upload Listings: Providing details (name, price, quantity, description) for products to be listed for sale
    - o Sales History: Accessing a comprehensive history of items sold
    - o Sales Metrics: Analyzing metrics related to sales, revenue, and product popularity

- System Feature 4: Rate and Review
  - ➢ Entities Involved: Customer, Product, Review
  - ➢ Input Required for Execution:
    - o Product Reviews and Ratings: Numeric rating on a scale, written review
    - o Seller Ratings: Rating sellers based on their performance
    - o Association with Specific Products: Reviews linked to specific products
    - o Detailed Feedback: Optional text feedback for reviews
    - o Display of Ratings: Prominent display of product and seller ratings

- System Feature 5: Payment
  - ➢ Entities Involved: Customer, Cart, Product
  - ➢ Input Required for Execution:
    - o Delivery Details: House number, street address, pin code, city, state
    - o Payment Details: Credit/debit card number, CVV, OTP (or alternative payment methods)
    - o Payment Method Selection: Choosing between available payment options
    - o Confirmation: Clicking "Place Order" to confirm the order

ER DIAGRAM:

RELATION SCHEMA: