Marketplace hackathon Day #01

Introduction

My hackathon Project addresses the Ciritical issue of fake Products in e-commerce Platfooms, Specifically in pakistan. The Project aim to build a reliable and trustworthy System that ensures genuine products and authentic Sellers for online Shoppers

This project is designed for an e-commerce Store that introduce a Verified Seller System and Product reviews/ratings, helping Customers make informed decisions and promoting trust between byers and Sellers.

Project Overview

The objective of this Project is to Provide a Secure and authetic Shopping experience for Customers. it focus on:

1) Eliminating Fake Products:

Ensuring only genuine products are available on the Platform.

2) Building Customer Trust:

Introducing a verification process for Sellers and a review System for Products.

3) Encouraging Transparency:

Allowing Customers to Share honest feedback through ratings and reviews.

(* This System not only benefits Customers but also motivates Sellers to maintain their Credibility)

Problem Statement

In Karachi, and across Pakistan, people face the following challenges on e-commerce platforms:

1) **Trust Issues:**
   Customers hesitate to buy due to unverified Sellers and fake products.

2) **NO Accountability:**
   Sellers often escape Scrutiny as there is no Verification process in place.

3) **Lack of Reliable Feedback:**
   Customers have no reviews or ratings to rely on for product quality or Seller Credibility.

Solution

To resolve these issues, the project introduce the following features:

1) **Verified Seller Badge:**
   - Sellers undergo a verification process by submitting document to prove the authenticity
   - Verified Sellers are marked with a badge to help customers identify them easily.

2) **Product Reviews & Ratings:**

   Customers can leave honest feedback after purchasing a product.

   Reviews and rating ensure transparency and help other make informed decisions.

STEPS FOR Solution

Data Schema Dsign

1) USer (Customer & Seller):
- Attributes: Name, Email, Role (Custome/Seller), Verified Status.

2) Product:
- Attributes: ProductID, Name, Price, Seller ID, Rating.

3) Review:
- Attributes: Review ID, ProductID, USER ID, Feedback.

4) Verification Request:
- Attributes: Request ID, Seller ID, Status, Documents.

Relationships between.

- User → Product: A Seller lists products on the platform.

- Product → Review: Each product has review and rating

- User → Review: Customer write reviews for purchased product

- User → Verification Request: Sellers submit verification request to earn the badge.

Key Features of the Platform

1) Verified Seller System:
   - Ensures authenticity by making trusted Seller with a badge

2) Product Review & Ratings:
   - Provides Customers with honest Feedback about Product and Sellers.

3) Admin Control.
   - Allows the platform administrators to manage Seller Verification and product feedback effectively.