

# Second Product or Crafted Product Selling E-Store

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## Abstract:-

The "Second Product or Crafted Product Selling E-Store" project is an innovative and inclusive online marketplace designed to cater to a diverse range of products, including old vintage items, high-priced commodities, high-end vintage electronics, and modern short-term used products. This platform represents a unique fusion of sustainability, craftsmanship, and technological sophistication.

Our e-store provides a seamless and secure shopping experience for users who can both sell and buy products within a unified environment. Whether users are passionate collectors, artisans, or simply individuals looking to buy or sell unique items, our platform offers tailored solutions to meet their distinct needs.

## Modules:-

- **USER: -**
  - Allows individuals to register, create user profiles, and engage as both sellers and buyers.
  - Provides tools for listing products, managing orders, and facilitating secure transactions.
  - Enables communication between users and access to their transaction history, ratings, and reviews.
- **ADMIN: -**
  - Empowers administrators to oversee and manage the overall platform.
  - Includes features for user and seller management, content moderation, and analytics.
  - Provides tools for ensuring platform security and adherence to policies.
- **QUALITY TESTER: -**
  - A specialized module for assessing and verifying product quality.
  - Offers expertise in authenticating and verifying vintage, high-priced, and modern short-term used products.
  - Conducts assessments of product condition, authenticity, and functionality.
  - Generates quality reports, provides certification, and assists in dispute resolution.

## Functionalities in Main-Project:-

### USER MODULE FUNCTIONALITIES: -

- **User Registration and Authentication: -**
  - Allow users to create accounts with unique usernames and passwords.
  - Enable registration through email, social media, or phone number.
  - Implement multi-factor authentication for security
- **User Profiles: -**
  - Enable users to create and customize their profiles with personal information, profile pictures, and contact details.
  - Display user ratings, reviews, and transaction history.

- **Product Listings: -**
  - Allow users to list products for sale, including detailed descriptions, images, pricing, and shipping information.
  - Provide options for categorizing and tagging products.
- **Shopping and Cart Management: -**
  - Allow users to add items to their shopping cart, edit quantities, and proceed to checkout.
  - Display a summary of the items in the cart and their total cost.
- **Wishlist and Favourites:**
  - Allow users to create Wishlist's and mark items as favourites for easy access and future reference.
  - Enable users to receive notifications when Wishlist items go on sale or become available.
- **Notification Preferences:**
  - Provide users with the ability to customize their notification preferences for order updates, promotions, and personalized recommendations.
- **Shipping and Delivery Tracking with Notification:**
  - Enable users to track the status of their orders, including shipping and delivery updates.
  - Integrate with shipping carriers' APIs to provide real-time tracking information.
- **Image Recognition and Product Tagging (Seminar):**
  - Utilize image recognition models to automatically tag and categorize product images based on visual features such as colour, shape, and pattern.
  - Enhance search and filtering capabilities by allowing users to find products using visual search queries.
- **3D Image Model For Product Description:**
  - Creating a 3D model for product descriptions can greatly enhance the customer's understanding and visualization of the product. Here's how you can approach it.
- **Product Recommendation**
  - Implementing a robust product recommendation system, you can provide personalized shopping experiences to users, increase customer engagement and retention, and drive revenue growth for your e-commerce business.

#### ADMIN MODULE FUNCTIONALITIES: -

- **User and Seller Management:**
  - Admins can view, edit, and manage user and seller accounts.
  - Suspend or ban users or sellers violating platform policies.
- **Add or Remove Quality Tester**
  - Admin can Add Quality Tester
  - Admin can Manage, Notify, Rate and Give Salary to Quality Tester
- **Quality Tester Management:**
  - Assign specific products or categories to quality testers for evaluation.

- Allow testers to submit detailed reports and assessments of product quality, authenticity, and adherence to standards
- Allow to Manipulate Tester Salary Dispense and Control Over it
- **Performance Analytics and Reporting:**
  - Provide admins with access to performance analytics and reporting tools to track key metrics such as user engagement, sales trends, and product performance.
  - Generate custom reports and insights to inform decision-making and strategic planning.
- **Operational Cost Management**
  - Operational cost management involves optimizing and controlling the expenses associated with running a business or organization.
  - Implementing these operational cost management practices, organizations can achieve greater financial stability, improve profitability, and remain competitive

#### TESTER MODULE FUNCTIONALITIES: -

- **Product Quality Testing and Rating**
  - Tester will be checking Products Quality on foot introduce tester's matrix.
  - Tester also verify user Product Values.
- **Checklist Route Mapping**
  - Tester will be routed with Optimized route map.
  - It would be much more economically feasible manner with Short Distance.

#### DELIVERY MODULE FUNCTIONALITIES: -

- **Delivery Boy Routing**
  - Whenever the order is placed, the system will automatically identify the best available delivery boy with the least weightage on him.
- **Product Delivery**
  - It's the lengthy process of delivering product from one point to other, where when the user give out his product an OTP driven verification will be done. Similarly when the buyer buys it also this happens.