

# REQUIREMENT ANALYSIS



## List of Features Required

- User Authentication: Sign up, Login, Logout.
- Home Page: Overview of the platform, trending items, and quick access to other pages.
- Product Listing Page: Browse all available items with search and filter options.
- Product Detail Page: View full details of an item, including price, seller info, and images.
- Cart and Checkout: Add items to the cart and proceed to checkout.
- Messaging System: Direct chat with the seller.
- Notifications: Alerts for new items, price drops, and messages.
- User Profiles: View personal listings, transaction history, and user ratings.
- Admin Panel (Optional): Manage users, products, and reports.

## 🌟 Users' Expectations and Technical Limitations:

- **Expectations:**

- User Profiles for personalised marketing and user history.
- Messaging System for direct communication to sellers.
- Admin Panel for tracking and data analysis.
- User Authentication for access to the user profiles.

- **Technical Limitations:**

As our team currently specializes only in front-end development, implementing several key features is beyond our current skill set. The limitations we faced include:

- **User Profiles:**

- Creating personalized user profiles requires backend technologies to handle data storage and retrieval, which we don't have experience with yet.

- **Messaging System:**

- Real-time messaging between buyers and sellers demands backend infrastructure and technologies like WebSockets, which are currently outside our knowledge base.

- Admin Panel:
  - Building an admin panel for tracking user activity and managing platform data requires backend support for data handling and analytics, which we are not equipped to implement at this stage.
- User Authentication:
  - Secure login, signup, and user authentication need backend services to manage user credentials and ensure data security — something we couldn't implement due to our front-end focus.
- Data Management and Analysis:
  - Features like personalized marketing, product recommendations, and user history tracking require databases and backend logic, which we haven't yet learned.

- **Issues Faced:**

All the issues faced are documented in the following link:

[https://docs.google.com/document/d/1LH1IUFAIBXNY-e7E2DPh\\_U5myUrTiC2yaoU2Kj5Z7q0/edit?usp=sharing](https://docs.google.com/document/d/1LH1IUFAIBXNY-e7E2DPh_U5myUrTiC2yaoU2Kj5Z7q0/edit?usp=sharing)