



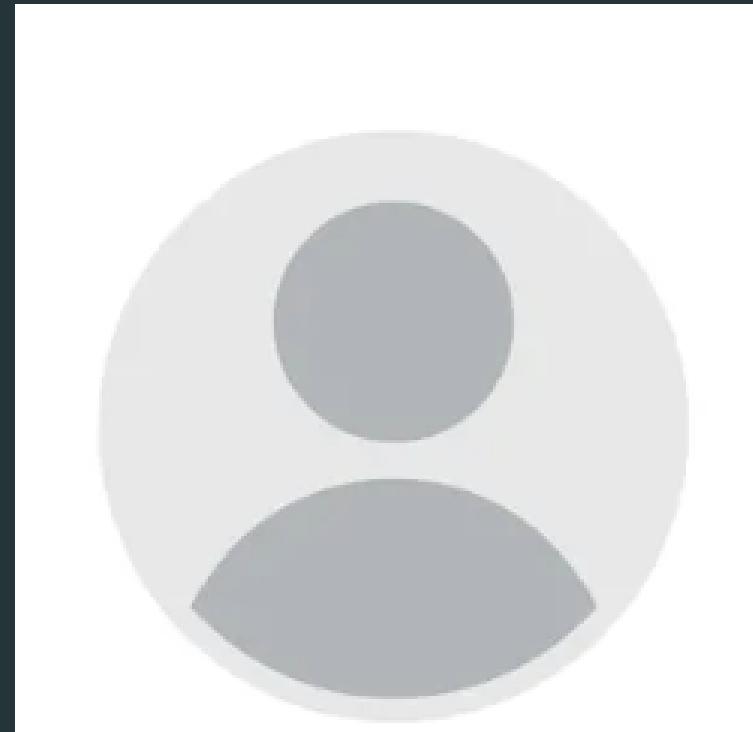
SHOPSPOT

BACKEND PROJECT

A virtual marketplace where one can buy
and sell products



MEET THE TEAM



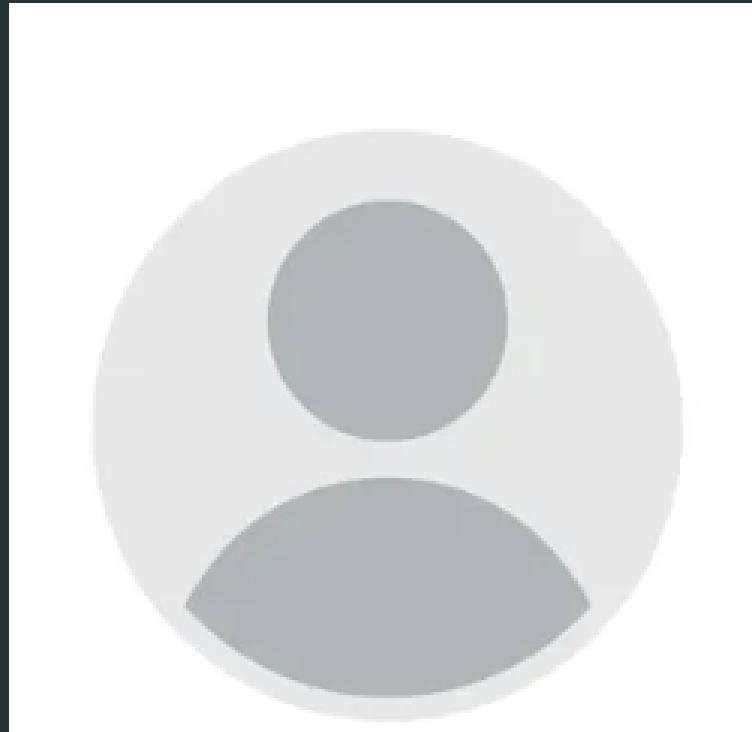
Himani

2210990401



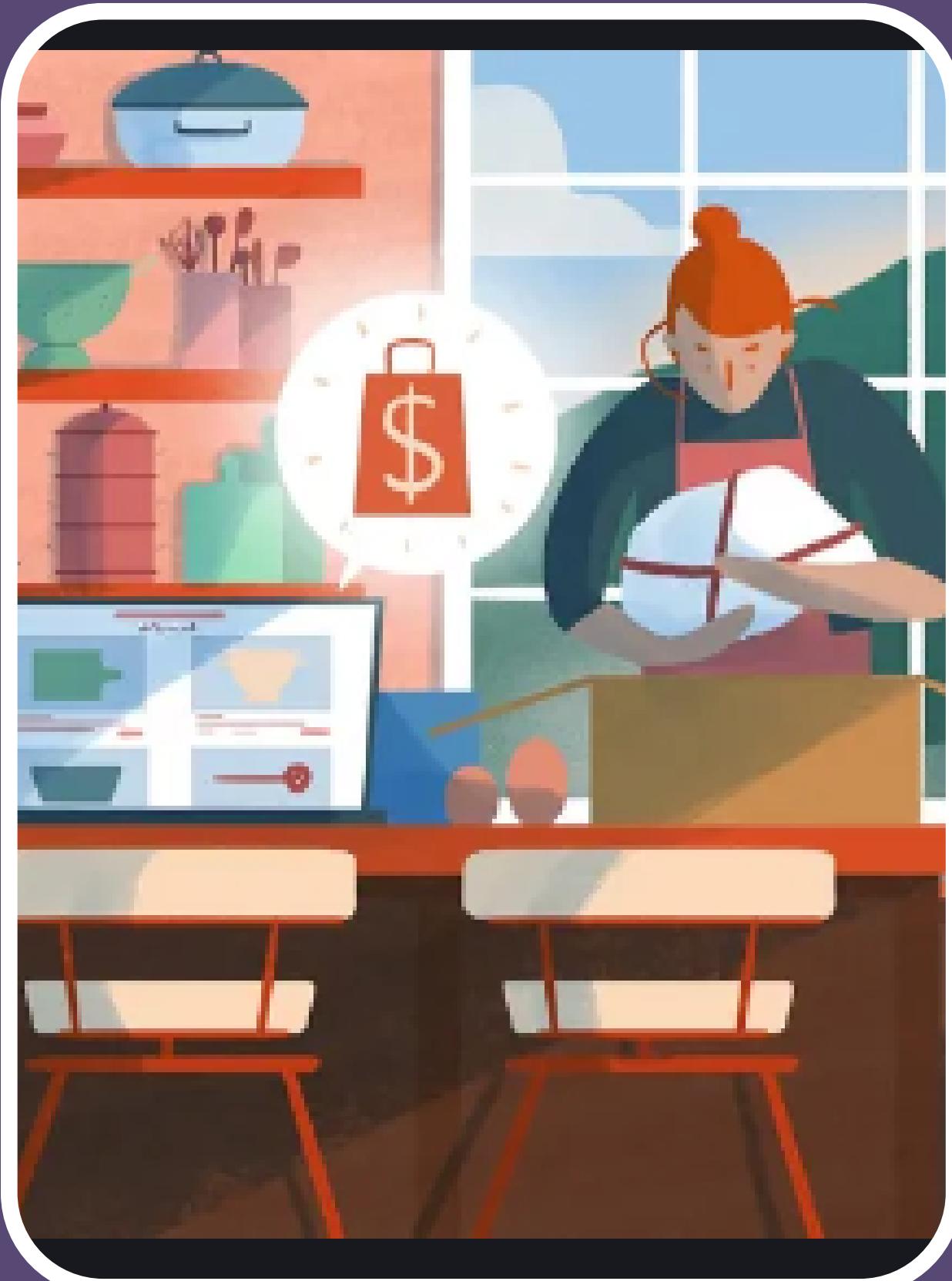
Heena

2210990398



Himanshi

2210990403



ABSTRACT

This project develops a platform for buying selling various products, including a special thrift store section where one may sell their second-hand clothes. The project includes functionalities like user authentication, shopping cart, orders management using Node js, express and mongodb for backend.

INTRODUCTION

In today's digital economy, online marketplaces have become central to buying and selling goods. Our project is basically based on the idea that one can buy as well as sell products on a single platform, which includes user authentication, user profiles, order management, cart management , wish listing options, reviews with photos and much more . developing this backend project will provide a solution for managing an online marketplace.

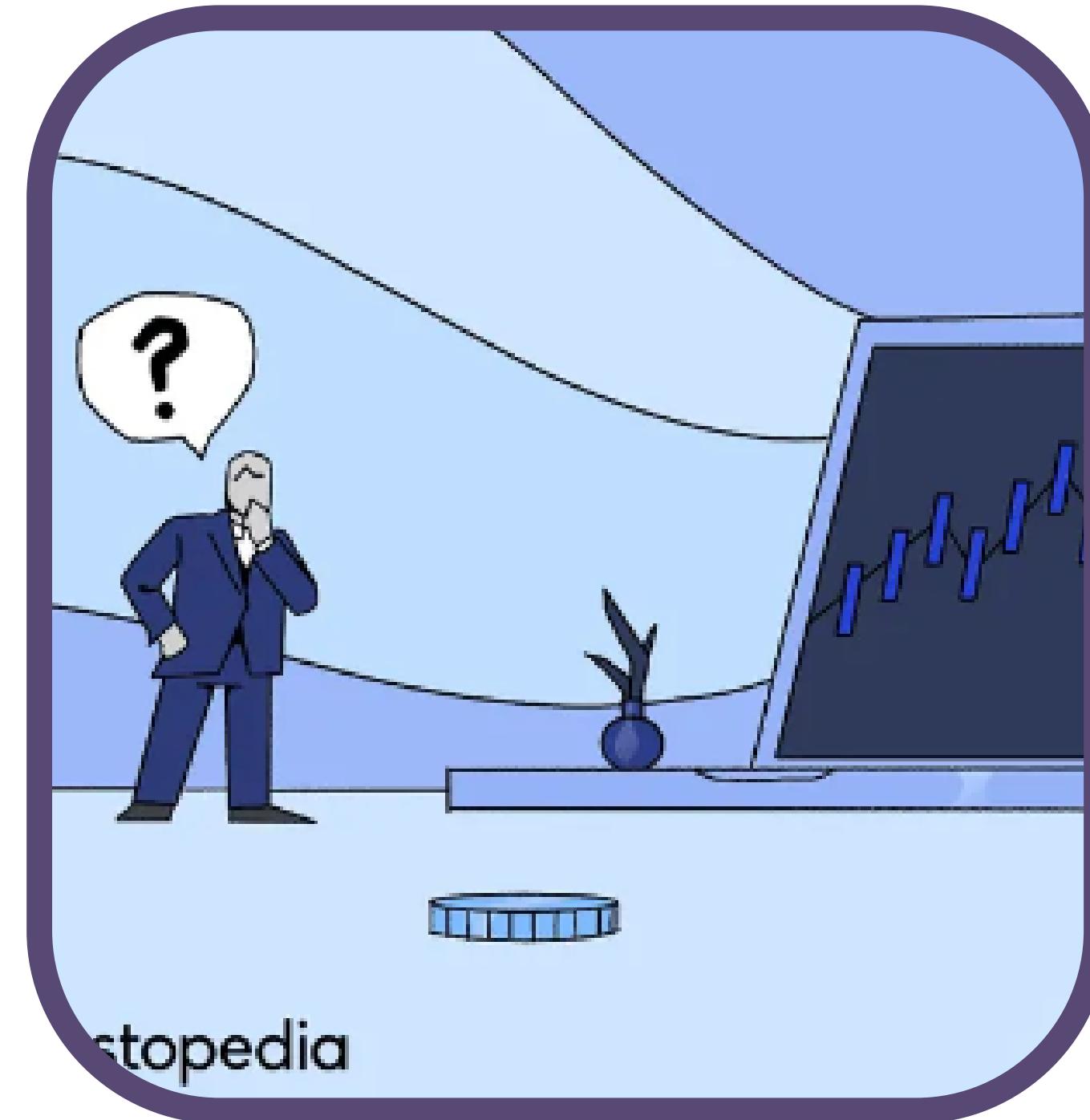


PROBLEM STATEMENT

In the evolving landscape of e-commerce, there is a growing demand for comprehensive online marketplaces that can efficiently handle both new and second-hand goods.

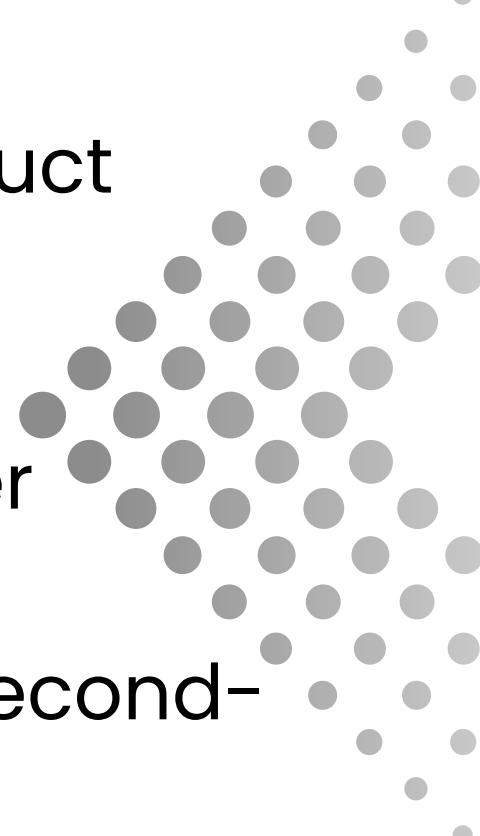
Key Issues:

1. Fragmented Marketplaces: Existing solutions tend to separate new goods from second-hand items, creating a disjointed shopping experience and limiting cross-category interactions.
2. User Experience and Security: Users demand a seamless, intuitive, and secure platform for their transactions. Current systems may fall short in providing a unified experience and ensuring robust security.



KEY FEATURES

- User Management: Registration, authentication, and profile management.
- Product Management: CRUD operations for product listings, category management , and inventory tracking.
- Transaction Processing: Cart management, order placement, tracking, and payment integration.
- Thrift Store Functionality: Dedicated section for second-hand items, price negotiation, and unique listing management.
- Search and Filtering: Advanced search, filtering options, and search suggestions.
- User Reviews and Ratings: Review systems and moderation tools.





TECHNICAL DETAILS

1. Front-End Development : react/css:
CSS3: For styling and layout. o JavaScript: For dynamic content and interactivity.
Front-End Frameworks: React: A popular JavaScript library for building user interfaces.
2. Back-End Development : Programming Language: o JavaScript (Node.js): For building server-side applications.
Back-End Frameworks: o Express.js: A minimal and flexible Node.js web application framework. 3. Database Management :MongoDB: A NoSQL database that uses JSON-like documents.
4. Project Management and Collaboration : Git: For version control of source code.
GitHub: Platforms for hosting and managing Git repositories.

ADVANTAGES

- Unified Platform: Combines new and second-hand goods, attracting a broader audience.
- Enhanced User Experience: Streamlined transactions and advanced search features.
- Effective Thrift Store Management: Dedicated section and price negotiation for used items.

DISADVANTAGES

- Complex Development: High complexity and development costs
- Ongoing Maintenance: Continuous updates and support required.
- Market Competition: High competition may make differentiation challenging.

Future Scope

1. Enhanced user experience:

- AI-Driven Recommendations: Use artificial intelligence to offer personalized thrift item suggestions based on user preferences and browsing history.
- Virtual Try-Ons: Incorporate augmented reality (AR) to let users virtually try on clothing before purchasing.

2. Unique Inventory and Customization

- Curated Collections: Offer curated collections or themed thrift sections that make it easier for users to find specific styles or eras.
- Customizable Items: Allow users to personalize or upcycle thrifted items, potentially collaborating with local artisans for unique offerings.

4. Educational Content and Workshops

- Thrift Education: Offer content that educates users about the benefits of thrifting, sustainable fashion, and how to find hidden gems.
- DIY Workshops: Provide online workshops or tutorials on upcycling and repurposing thrifted items.



THANK YOU

