

ACROPOLIS INSTITUTE OF TECHNOLOGY AND RESEARCH

Department of Information Technology

Synopsis

On

DealOye - “An online platform for buying and selling study materials using web development technologies”

1. Introduction

1.1 Overview

Introducing "DealOye" a revolutionary platform meticulously crafted to address the distinctive needs of college students. At its core, DealOye is all about simplifying the lives of students by providing a one-stop solution for discovering incredible accessing essential study resources, and unlocking substantial savings, deals.

Our motivation springs from a deep understanding of the hurdles that collegegoers encounter daily. From the relentless pursuit of affordable textbooks to the quest for meaningful financial savings, we're here to make your college journey smoother and more cost-effective. "DealOye" aims to create a trusted and user-friendly environment that enhances your college experience in more ways than one.

1.2 Purpose

The purpose of "DealOye" is to enhance the college experience by addressing the unique challenges and needs of college students, ultimately making their journey smoother and more cost-effective. It's a platform that brings together savings, resources, and convenience to support students in their academic and personal pursuits.

- The purpose of "DealOye" is to serve as a comprehensive platform that caters specifically to the needs of college students. Its primary objectives include:
- It aims to simplify the lives of college students by offering a centralized platform where they can access a wide range of services and resources.
- It provides a marketplace for college students to discover and access incredible deals on various products and services.
- By creating a trusted and user-friendly environment, "DealOye" aims to enhance the overall college experience.

2. Literature Survey

2.1 Existing Problem

In our extensive survey of existing systems catering to college students, we encountered a diverse landscape of platforms, each with its own set of issues and benefits.

College students in India face several challenges related to resource management, affordability, and environmental sustainability while living on campus. Current practices for buying and selling items often lack transparency and security. Additionally, students may struggle to access affordable educational resources, creating barriers to academic success.

- **Mercari** emerged as a personal favorite among users, offering a hassle-free selling experience without any deductions from the sale. This platform, however, primarily targets fashion-related items and may not be as versatile for academic resources.
- **Poshmark** on the other hand, comes across as a more professional option with a focus on clothing. It, however, imposes fees on low-value sales, potentially impacting users' overall savings.
- **Letgo** an app boasting a wider range of products beyond fashion and electronics. Although it is user-friendly, it lacks the specialization that Deal Oye offers in academic resources. "Vinted," a fashion-centric platform, presents another option, albeit with a smaller user base compared to the larger competitors.

- **AllStudyX** surfaced as a unique addition to the landscape. This platform centers on college campus-based exchanges and encourages the sharing of various used products.

2.2 Proposed Solution

- **User-Friendly Interface:**
 - Intuitive and user-friendly interface.
 - Easy navigation for seniors and juniors.
- **Mobile Responsiveness:**
 - Mobile-responsive design.
 - Optimized for smartphone use.
- **Product Listings:**
 - Users can list items for sale.
 - Include details like product description, price, condition, and images.
- **Messaging System:**
 - Secure messaging system for user communication.
 - Discuss projects, college-related matters, and more.
- **College-specific Features:**
 - Tailored to a specific college for enhanced security.
 - Provides information about campus events, clubs, and resources.
 - Fosters a sense of community within the college.
- **Interactive Features:**
 - Promotes interaction between seniors and juniors.
 - Features like forums, discussion boards, or chat rooms

3. Theoretical Analysis

3.1 Block Diagram

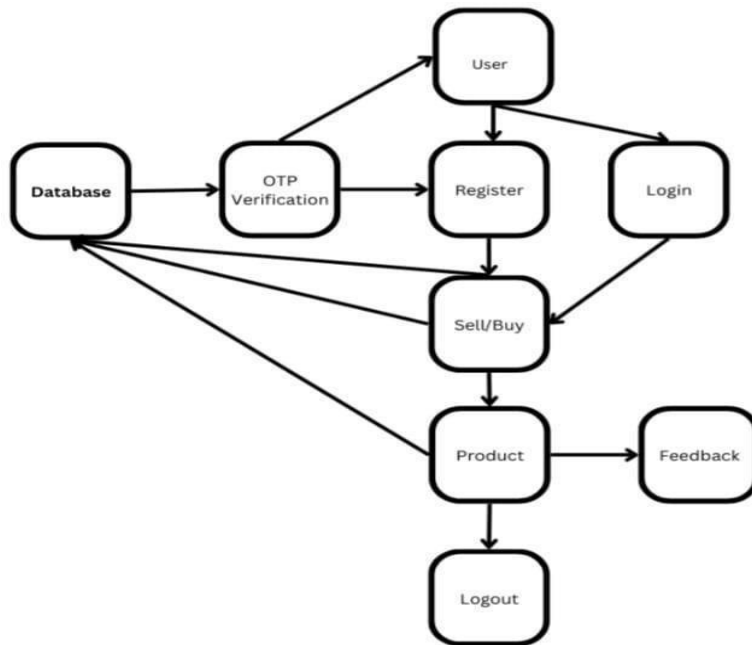


Fig. 1: Block Diagram

4. Hardware/Software Designing

➤ Hardware Requirements:

- Multi-core processor (like intel core i3,platinum)
- At least 1 GB of RAM required.
- Standard monitor (1920x1080 resolution or higher).
- Mouse and keyboard.
- Storage with a minimum of 64GB (using any disk hdd,ssd).

➤ Software Requirements:

- Operating system for the server – Windows 10
- Web development tools –HTML 5, CSS 3, Javascript ES12, Nodejs

V18, Express js 4.18.1

- Database management system - Mysql 5.6 version
- Version control software - Git , Github
- Text Editor – Visual Studio Code 1.72 version.

5. Applications

DealOye is driven by a user-centric approach, focusing on delivering clear and concise benefits to college students.

- **Save Money:** With affordable deals tailored to students, “DealOye” helps them manage their expenses efficiently.
- **Convenience:** The platform simplifies transactions, making it easy for students to buy, sell, or exchange items right on campus.
- **Reduce Waste:** “DealOye” champions sustainability by promoting the reuse and sharing of goods, contributing to a greener planet.
- **Access to Educational Resources:** It enhances academic success by providing students with easy access to essential educational materials.
- **Secure Transactions:** The platform prioritizes trust and security, ensuring that all transactions occur within a safe and reliable environment.
- **User-Friendly Experience:** “DealOye” offers a streamlined and intuitive experience, making it effortless for both seniors and juniors to navigate the platform.

6. Conclusion:

In a nutshell, DealOye is all about peer-to-peer commerce among college students. It provides a dedicated platform for buying and selling within the campus community, fostering connections between different generations of students. This not only enhances the college experience but also reduces the environmental impact by promoting reuse and recycling. Furthermore, DealOye empowers students by offering them entrepreneurial skills, valuable experience

in marketing and negotiation, and a glimpse into the world of e-commerce—all of which can be instrumental in shaping their future careers.

7. References

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