

Project Title: DIU CampusCart

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OBJECTIVES

The primary goal of **DIU CampusCart** is to develop a **secure and user-friendly online marketplace** exclusively for DIU students residing in hostels or nearby.

Specific objectives include:

- Providing a structured platform for buying and selling second-hand goods.
- Ensuring authenticity by restricting access to DIU students only.
- Minimizing fraud risks through an admin approval system.
- Enhancing user experience with search, filtering, and product categorization.

MOTIVATION

Why This Project?

Finding the right product at the right price is often a struggle for students. Existing marketplaces are cluttered, making it difficult to locate essential goods. Many students waste time searching for required items, negotiating prices, and verifying sellers. This project aims to eliminate these hurdles and provide an efficient, student-centric solution.

This project offers:

- A clean, student-centric solution
- Trust through DIU email verification
- A simple and efficient way to trade goods on campus

BACKGROUND STUDY

1. [Bikroy.com](https://www.bikroy.com)

Popular Bangladeshi classified ads website.

- Allows users to buy/sell products across categories.
- Open to all users, lacks campus-specific targeting.
- No academic email verification, so lacks trust in student-to-student trades.

2. **Facebook Marketplace (Buy-Sell Groups)**

Students often buy/sell items via FB groups or Marketplace.

- No built-in verification system – anyone can join.
- Hard to filter relevant posts & no proper category system.
- Trust and safety concerns with strangers.

BACKGROUND STUDY

3. **Campus Classified Portals** (e.g., MIT Reuse)

MIT Reuse a program at the **Massachusetts Institute of Technology** that facilitates the exchange and reuse of items within the MIT community.

- ✓ Internal marketplaces for students.
- ✓ Verified access using university email.
- ✓ Focus on trust, simplicity, and academic community only.



[Image Courtesy: [MIT News](#)]

Shortcomings of Existing Systems

- ❑ **No dedicated DIU marketplace** – Students compete with external buyers and sellers, making transactions less convenient and less reliable.
- ❑ **No smart filtering or search** – Students waste time scrolling through unorganized posts, struggling to find relevant products quickly.
- ❑ **No structured product categorization** – Products are randomly listed in Telegram or Facebook groups, making it hard to browse efficiently.
- ❑ **Lack of verification & trust** – No system ensures sellers and buyers are genuine, leading to scams and misleading product information.
- ❑ **Security risks & fraud** – Open platforms allow anonymous users, increasing the risk of fraud, misleading listings, and price manipulation.

How DIU CampusCart Addresses These Gaps

- ✓ **DIU-Exclusive Access:** Only DIU students, teachers or employees (via @diu.edu.bd) can register and participate.
- ✓ **Categorized Listings:** Goods will be sorted by **category, price, and availability**.
- ✓ **User-Friendly Interface:** Designed specifically for DIU students' ease of use.
- ✓ **Cash on Delivery System:** Transactions will be conducted through direct meet-ups, ensuring security and convenience in the absence of an online payment gateway.
- ✓ **Search and Filter Features:** Enables quick discovery of necessary products.

KEY FEATURES

✓ Security Features

1. DIU Email Verification for Account Creation
2. Admin Section for Monitoring Activities

✓ Product Management

3. Product Listings with Categories & Search
4. Seller Dashboard (Manage Listings, Mark as Sold)
5. Auto Expiry of Listings after 30 Days

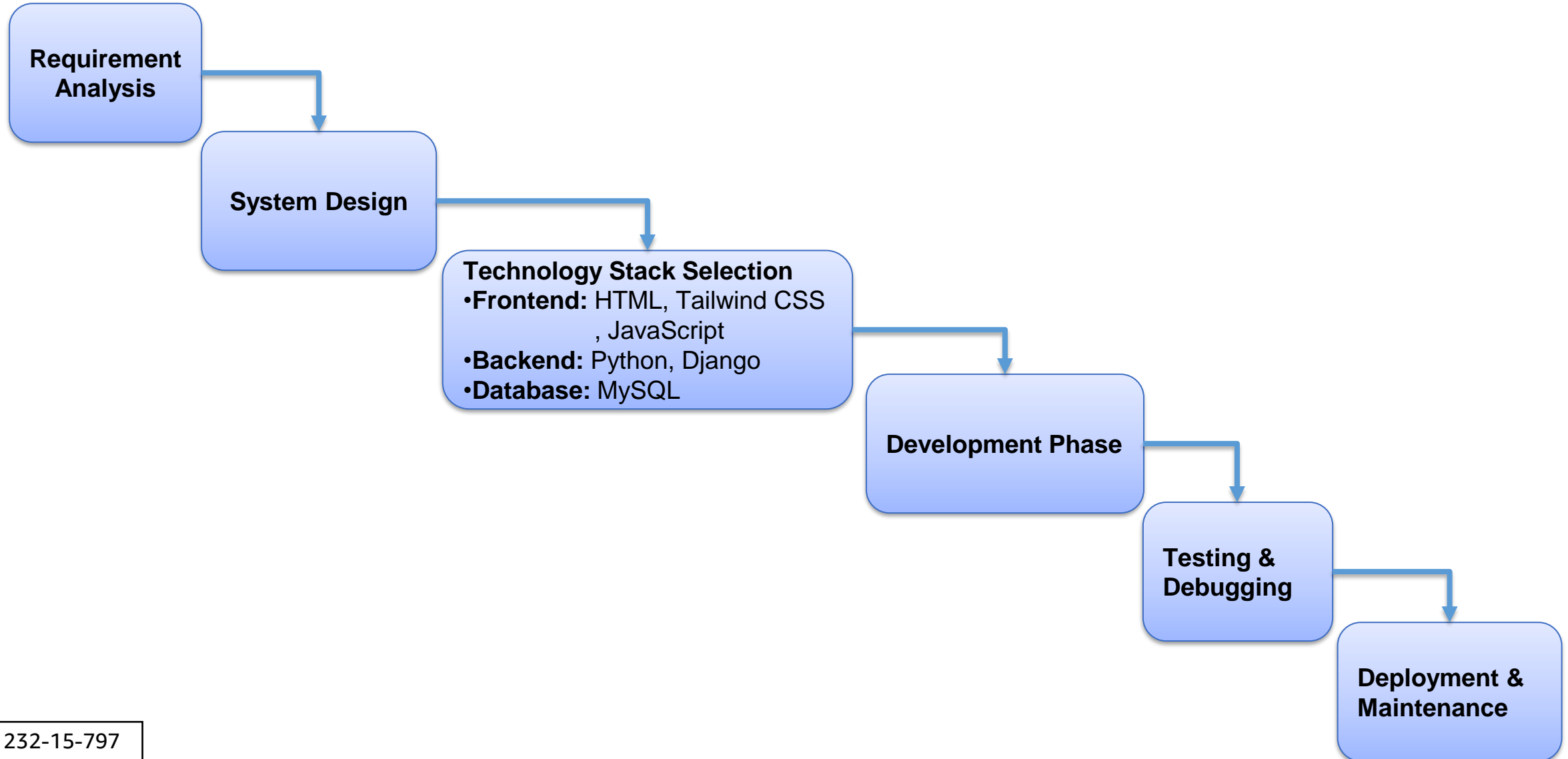
✓ Buying & Communication

6. Buyer Dashboard (View, Send Buy Requests)
7. Email Notifications for Buy Requests
8. In-App Messaging Between Buyer & Seller
9. Wishlist / Favorites Feature

✓ Trust & Feedback

10. Basic Rating & Review System for Buyers & Sellers

METHODOLOGY/WORKING PROCEDURE



MEMBERS RESPONSIBILITY

Team Member	Responsibility
1. Abdullah Al Noman (232-15-797)	Team Lead - Full Stack
2. Supan Roy (232-15-716)	Frontend, Database
3. Samira Haque Vabna (232-15-764)	UI design, Database
4. Nur Sayda (232-15-437)	Managing dummy data, Testing
5. Shakira Rahman Simi (232-15-723)	Data collection, Report writing

EXPECTED OUTCOMES

- By the end of the project, DIU CampusCart will:
 - ✓ Be a **fully functional**, secure DIU-only marketplace.
 - ✓ Enable **efficient buying/selling** via dashboards.
 - ✓ Allow **direct communication** between users.
 - ✓ Improve trust using **ratings and verified emails**.
 - ✓ Offer **better user experience** with favorites and listing expiry.
 - ✓ Provide admin tools for **monitoring, approving, and managing** activities.

CONCLUSION

DIU CampusCart is made to help students buy and sell things easily and safely inside the DIU campus.

From finding affordable items to connecting with fellow students in a safe and trusted environment — this platform brings the DIU community closer together. By focusing on the real needs of students and adding features that truly matter, we're not just building a website — we're building **a solution that reflects student life, trust, and convenience.**

With your support and feedback, we hope to turn this project into something every DIU student can rely on.

Thank You