

STUDENTS TO STUDENTS – AN INTRA-COLLEGE SELLING PLATFORM

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ABSTRACT

Online selling and purchase has become one of the trends in whole world. Nowadays people are spending more time on online shopping. Such practice was labelled as “Recommerce”. There are various online websites like OLX, QUIKR, etc. But there is no ReCommerce website for a closed group. ‘S2S’ is an *INTRA COLLEGE SELLING PLATFORM* (Website) to sell and buy all your used products at your comfort. This online exchange platform provides you ease of doing business within your college. ‘S2S’ has its unique features such as fraudulent prevention using EXIF data.. Sellers are allowed to post their product only if the photo is a captured or the image which has EXIF data. Payments are done through UPI ID’s and cash on hand. Students only need to post details about your product with image and cost of it. Even one has liberty to give things at no cost.

KEYWORDS: Recommerce, S2S, EXIF, Ecommerce.

I. INTRODUCTION

The main objective of this project is to develop a web based application to buy and sell used products of students and also to prevent from creating fake products by posting fake images. According to Google study 81% of people spend time on shopping online. In current generation it makes easy for people to sell their used product and buy another used product. India has been receiving more of the attention for this practice. Such practice was labelled as “Re-commerce”. Re-commerce, is the buying and selling of used products on the Internet. Other than buying and selling, many consumers uses Internet to compare product’s price and look at the newest products on offer before purchasing online or at store. Although, Internet is changing the world. All the process is happening online. E.g. from buying groceries, furniture, decorative and even medicines. The process of this recommerce is taken so that the consumers can also become sellers and sell their used product and can earn some money.

As consumers, we always encourage re-using, recycling and reselling the owned product and also approach used product as a renewable resource. The re-use and resell aspects, in particular, gives us an opportunity to use used product as a source of recreation. Social media sites such as Facebook are peppered with ads for used items. While the rise of attention to consumption and commodity of used product, recycling may be recent, and the circulation of a wide range of used products are anything but new. By selling and buying will also balance and save the personal economy which is good. Today on a single mouse click, buyers and sellers of used product meet online, and continue the trading process by buying and selling their used item online at ease. Exchange of used product creates value, both in financial terms and social terms, in addition to ease the re-use. In social terms, the recasting of used product is often rooted in local cultural notions that may help to redefine the link between used product and new product.

II. EXISTING SYSTEM

When it comes to selling old/used products online classified sites like OLX and QUIKR is dominating the used smartphone/gadgets market. OLX and QUIKR are not INTRANET. There is no existing system for intranet

selling. Even existing system like OLX has a drawback that the users can post fake images of product. Images that are downloaded from internet are being posted by which customers are Deceived.

III. PROPOSED SYSTEM

The proposed solution for the current problem is through detecting the EXIF (Exchangeable Image File Format) data. **Exchangeable image file format** is a standard that specifies the formats for images and ancillary tags used by digital cameras (including smartphones), scanners and other systems handling image. Sellers are allowed to post their product only if the photo is a captured or the image which has EXIF data.

S2S has many advantages:

1. This application will help students to buy and sell their used product inside campus.
2. It will prevent student from being deceived and to post right images.
3. The application is user-friendly and secured.

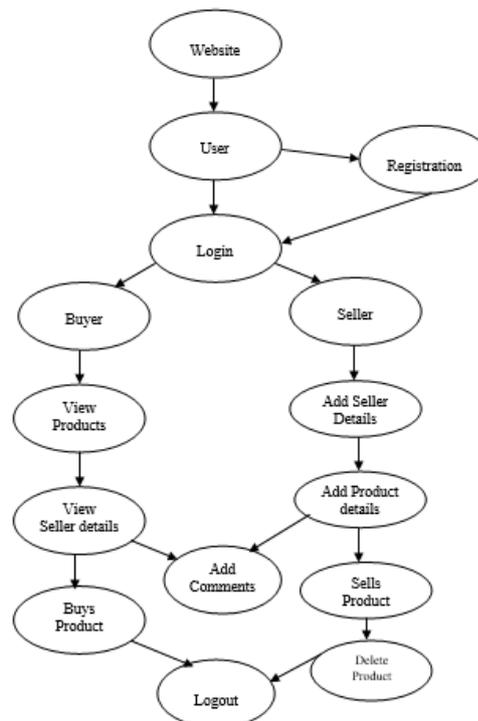


Figure 1. System Architecture

IV. SYSTEM IMPLEMENTATION

A student to Students is a system that is used for selling and buying the old/used product for the students. Seller can sell his products by posting the ad with captured image. Buyer can search for the product and then communicate with seller and then buy the product. This website is made using HTML, CSS, Node.JS, EJS, EXIF.JS, and Bootstrap. The routes of the website are written in Express.JS. The server is created using Node.JS. The database is created using MongoDB

The modules present in this system are:

1. Login/Sign up
2. Seller Module
3. Buyer Module

1. Login/Sign up:

Users can use the Sign up interface to provide data for registration, which is then stored in the database (Mongo dB). This data can further be used for authentication during Login. Also this data is useful for buyer to get the seller info.

Figure 2. Sign up Page

2. Seller Module:

Seller needs to provide his details (username, password, First name, last name, Email id, Phone no, UPI id, Year of Study, Batch No., Hostel Name) in Sign up form. Then they need to provide the details of the product which he needs to sell, like:

1. Name of the product.
2. Upload the image of the product.
3. Description of the product.
4. Detailed specification of the product.
5. Year of purchase.
6. Selling Price

The seller needs to upload only captured, since it only accepts the image with EXIF data.

Figure 3. Uploading Image without EXIF Data

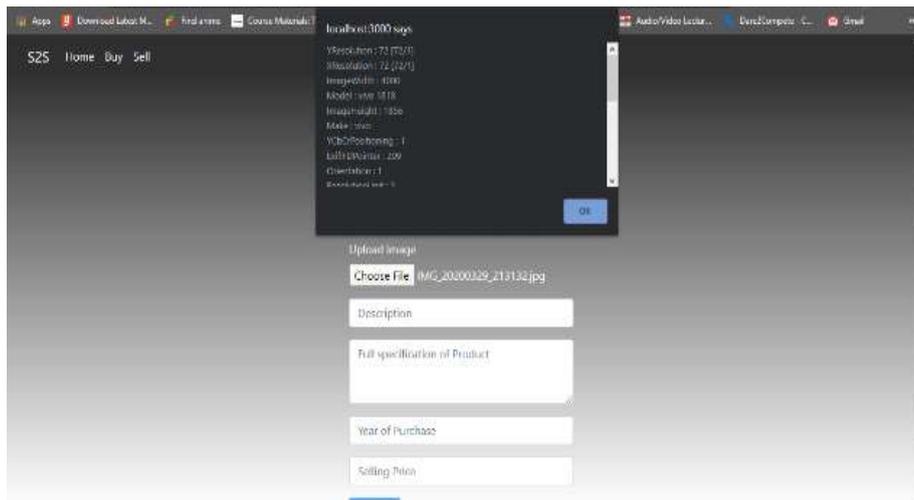


Figure 4. Uploading Image with EXIF Data (Captured Image)

Seller can even start conversation with buyer in comments.

Seller can delete their ad once product is sold.

3. Buyer Module:

Even Buyer needs to provide his details (username, password, First name, last name, Email id, Phone no, UPI id, Year of Study, Batch No., Hostel Name) in Sign up form.

Buyer can explore all the products and search for the products.

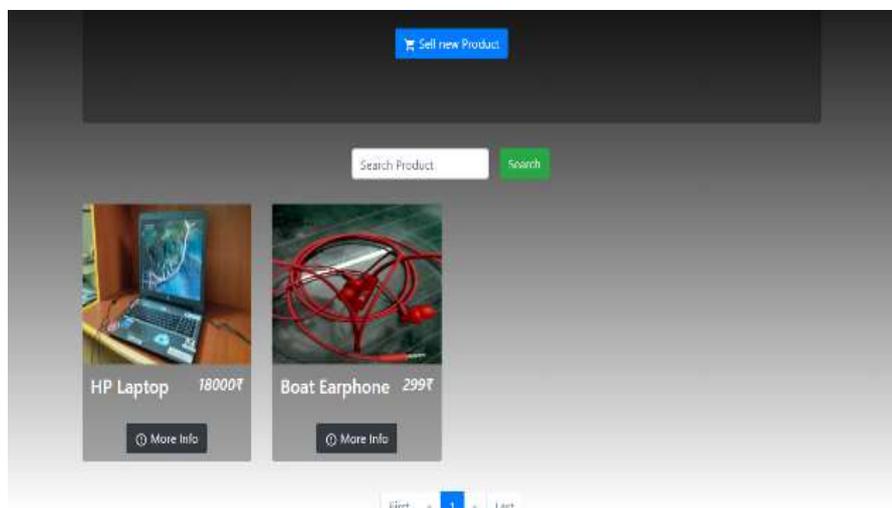


Figure 5. Inventory Page

Buyer can start the conversation in the comment section.

Buyers can view the detail of seller and get in contact with the seller for future process.

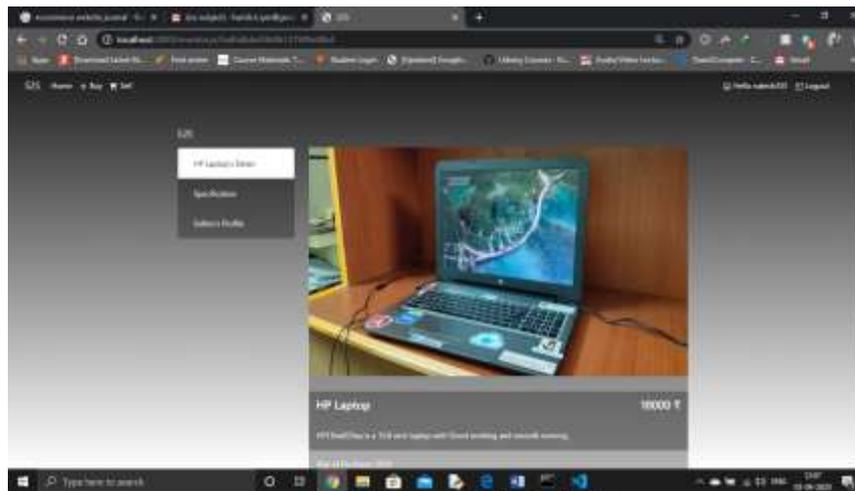


Figure 6. Product Detail Page

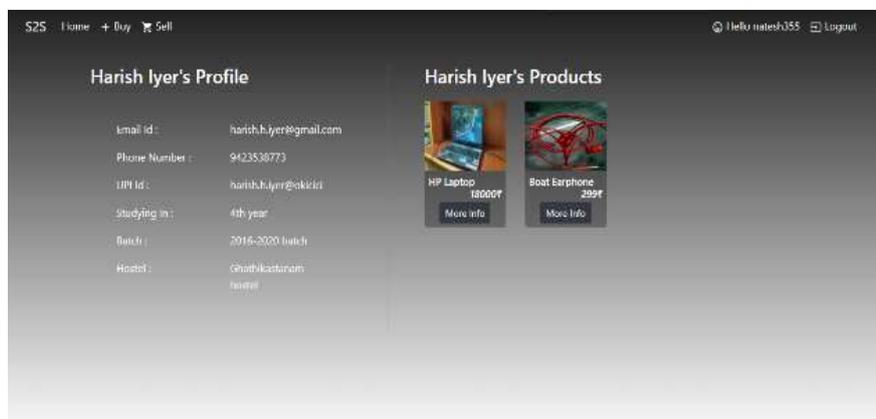


Figure 7. Seller's Detail Page

Buyer can proceed payment by using UPI id.

V. CONCLUSION

The paper discussed about the design and implementation of recommerce website for intranet within college.. It is designed for students who want to sell their old/used product and also buy products within the college. It will reduce the travelling time. Using this website will prevent the users from deceptive and unethical tricks. And buyer can himself verify the product before buying it.

VI. REFERENCES

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