

# Tradify: Where Buyers Meet Sellers

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**Abstract - We wanted to make a website with an idea of integrating the buyers and sellers without a third party involved.**

**A seller can upload the details of her/his products on the website. A buyer can browse through all the products uploaded by other users and buy one of them. A Hauler can accept the delivery requests which she/he receives and contact the buyer and seller.**

**We have successfully implemented the above features and have provided a platform where all the transactions made are secure. We also have achieved our aim of providing employment to Haulers via our website.**

## INTRODUCTION

Could someone keep a product for a very long time & use it every day? Everyone has so many things in their house/workplace which they want to sell, maybe with the right price tag. So, we had an idea of integrating the buyers & sellers online, by creating a platform, which they could easily use without a third party involved.

Why would one adjust and buy a new but a smaller car, rather than go for a second-hand better model at a cheaper rate? It is a good idea to buy products according to our requirement, by putting the right amount. Small businesses which consider purchasing or selling products online, will find this a useful resource to help in identifying and selecting appropriate e-commerce options. Here, tips and strategies for attracting and keeping online customers are also presented.

An important add-on in our website is the hauler feature, which can provide employment to the people who would like to be a part of our website as a Hauler (Courier Person) and provide transportation services as per their comfort and our needs.

Our website provides a platform through which we connect buyers and sellers throughout the world. If a person 'x' wants to sell a product online, he can post details about the product on the website. Now our website will connect to all the existing users and make

this product available for sale. If a person 'y' wants to purchase that product, he will send a request to buy that product to person 'x'.

Person 'x' can either accept or reject their request. If he accepts the request, user 'y' will get a notification containing contact details of person 'x'. They can personally carry out their transaction.

Also, a user 'z' can opt to be a Hauler (Transportation Service Provider). Therefore, if a buyer wishes to get home delivery, he can opt for the Hauler Services. The user 'z' can then accept or reject the request based on his convenience. If he accepts, then the contact details are shared.

In this way, a secure transaction is carried out, thus fulfilling the needs of both the buyer and seller.

## LITERATURE SURVEY

| Sr. No | Topic  | Author's Name          | Observations  |
|--------|--|------------------------|---|
| 1.     | <i>The Internet; Empowering Us to Sell Second hand Goods Online Profitably</i>                           | David Bryan, 2016      | Paper shows the benefits of buying and selling second-hand products and discuss about profit making through selling goods |
| 2.     | <i>Top 7 reasons to buy sold goods</i>   | Christine Patton, 2008 | It shows the reasons to use used goods and its advantages   |
| 3.     | <i>10 best websites to buy and sell second-hand products in India</i>                                    | Shri, 2018             | It shows the different types of websites which are used in buying and selling of second-hand goods                        |
| 4.     | <i>Buying and selling second-hand objects: a Swedish study shows how it is good for the environment.</i> | Stefano Carnazzi, 2016 | It shows the environmental benefits of buying and selling the used products   |
| 5.     | <i>Shopping with the resale value in mind: A study on</i>  | Linda Lisa Maria       | It shows the growth of buying of second-hand  |

|     |   |   |  |
|-----|---|---|--|
|     | <i>second-hand luxury consumers</i>                             | Turunen, 2019                                   | products and sales of selling used goods   |
| 6.  | <i>Changing Second hand Economies</i>                           | Karen Tranberg Hansen & Jennifer Le Zotte, 2019 | It shows the economical effect of selling and buying of second-hand products           |
| 71. | <i>Know how second-hand cars are valued to get a good price</i> | Renu Yadav & Disha Sanghvi, 2020                | It shows about the values of used goods  |
| 15. | <i>Luxury Resale: A Second-hand Strategy for Brands</i>         | FlorineEpeBeauloye, 2019                        | It talks about the opportunities and solutions of second-hand market                   |
| 10. | <i>GST on second-hand goods</i>                                 | Ca Shankit Sharma, 2019                         | Its about the GST on selling and buying of used goods                                  |
| 7.  | <i>Second hand Market And Its Future</i>                        | Ukessays, 2017                                  | It talks about the Second hand Items, e-commerce and Second-hand market and its future |

The website is aimed at creating a secure and easy to access environment for the buyers, sellers and the haulers. We increase the connectivity between the users (Buyers, Sellers and Haulers) and let them carry out their transactions with 100% transparency. There is no third party involved in any agreements made. We also aim at providing a platform for the Haulers which will give them a source of income. Seller is able to upload a product.

The product uploaded by a seller will be displayed to the product page of all the users. User 'x' can go through all the products which are up for sale. She/he can add or remove a product to her/his wish-list. The user can buy a product by sending a request notification. The seller can accept/reject the requested sent buy the buyer. The buyer can contact the seller once the request is accepted.

A user 'z' can opt to be a 'Hauler' or not. While buying a product, a buyer 'Y' may choose to avail transport facilities. If she/he chooses to do so, then whenever that product is bought, the user 'z' will receive a notification asking whether or not he can deliver the product. The Hauler may accept or reject the request. If he accepts, the contact details are shared.

PROPOSED SYSTEM

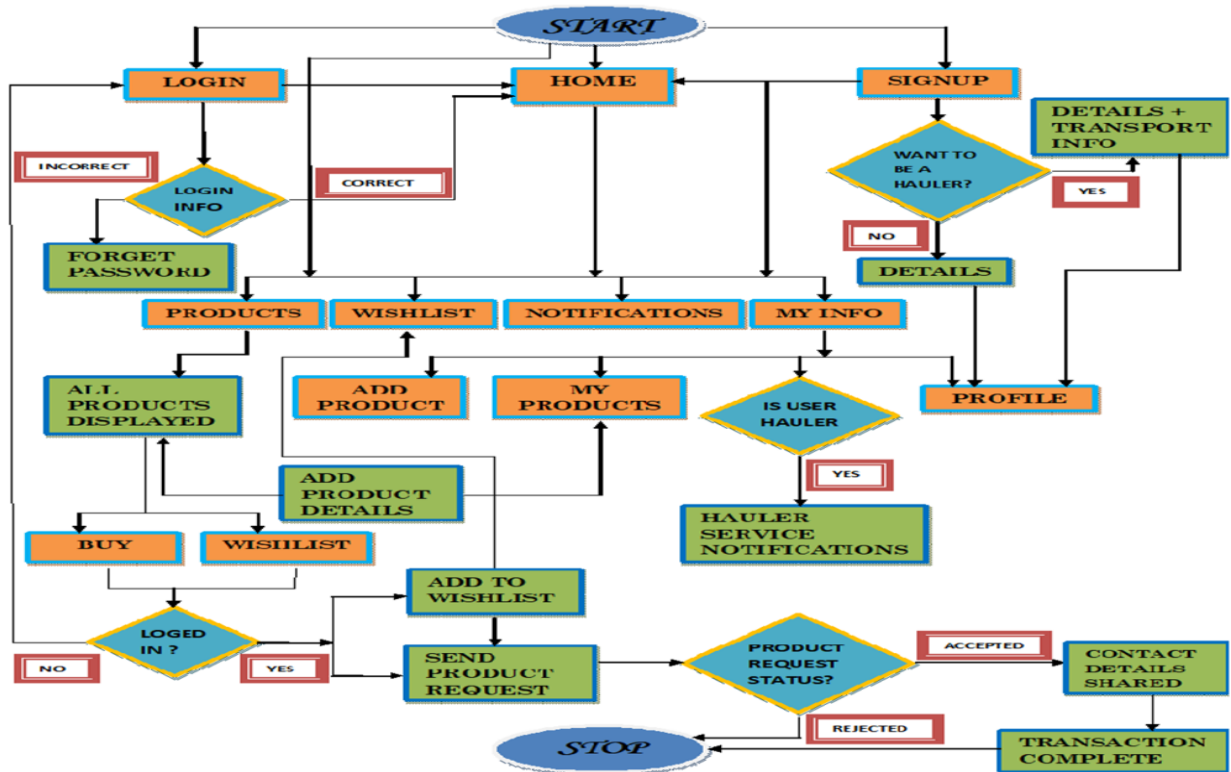


Figure 1:Flowchart of Buy and Sell

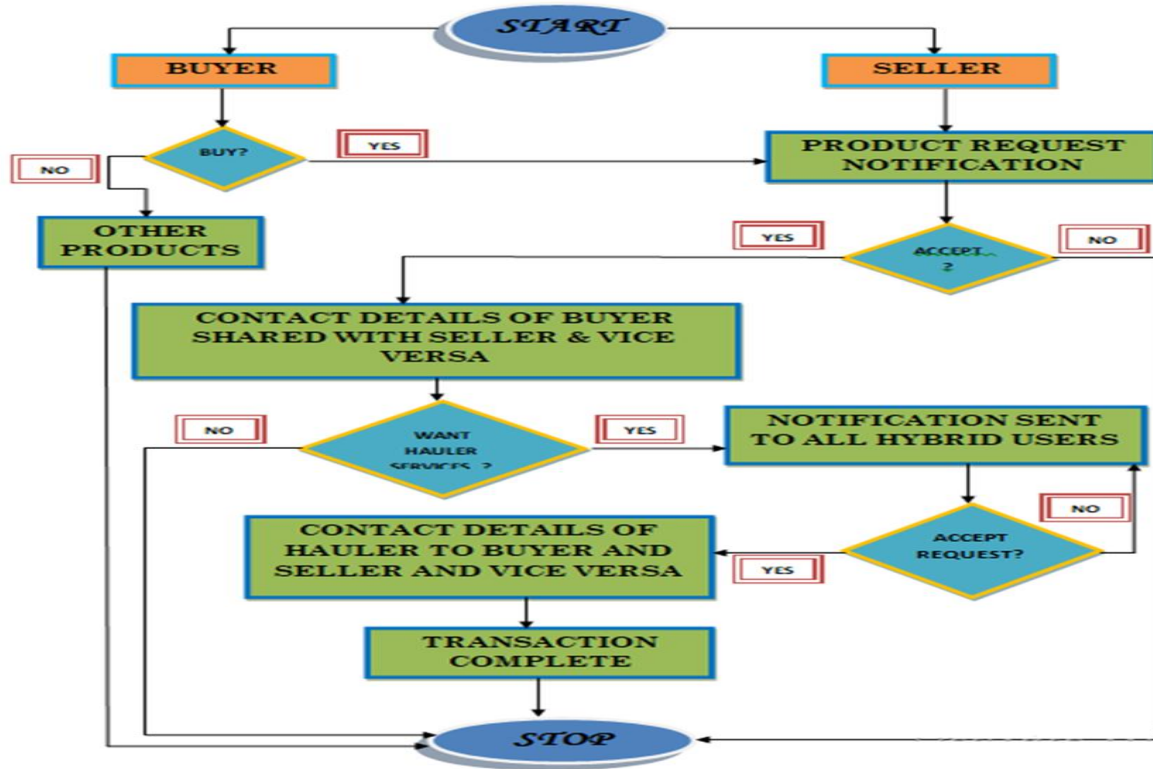


Figure 2: Flowchart of Buyer, Seller and Hailer

The system or layout of our website is shown in the above flowcharts. They are explained as follows:

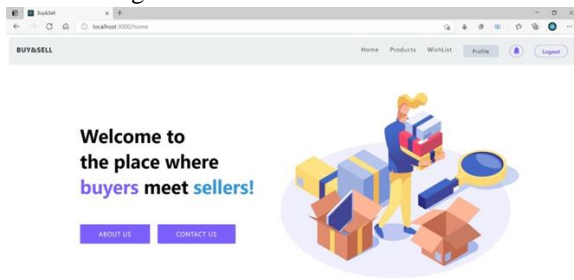
1. Anyone on the internet can access the website. The user can view the products page without the need to login.
2. If a user wishes to buy/sell a product on the website, he/she has to login. If it is the first time, then the user needs to sign-up.
3. Once the user has signed up on the website, he will be shown a message asking whether or not he wants to apply to be a Hailer. If he accepts, then he will be asked for some personal details along with some details regarding the transportation services. He will be a Hybrid User (Normal + Hailer Services).
4. A normal user will be asked for some basic information such as Name, Email ID.
5. The normal user page will contain the following tabs:
  - a. Home
  - b. Products
  - c. My Info (Profile, My Products, Add Product)
  - d. Product Request Notification Bell
6. The Hybrid User page will have the tabs:

- a. Home
- b. Products
- c. Wishlist
- d. My Info (Profile, My Products, Add Product, Hailer Service Notifications)
- a. Product Request Notification Bell
7. If any user X (normal/hybrid) wants to sell a product on the website, then he can select the 'Add Product' option in 'My Info' and fill in the required details about the product. This product will now be displayed on the 'Products' Page where it will be displayed to users all around the globe.
8. If a user Y (normal/hybrid) likes the product uploaded by user X, he/she may add it to his 'Wishlist' or directly buy it.
9. If Y wishes to buy it, after clicking on the buy button, a Product Request Notification is sent to the Seller X. The user X may choose to accept or reject the request sent by Y.
10. If X accepts the request, then the Buyer Y will receive the contact details of the Seller and vice versa. In this way the Transaction is completed.

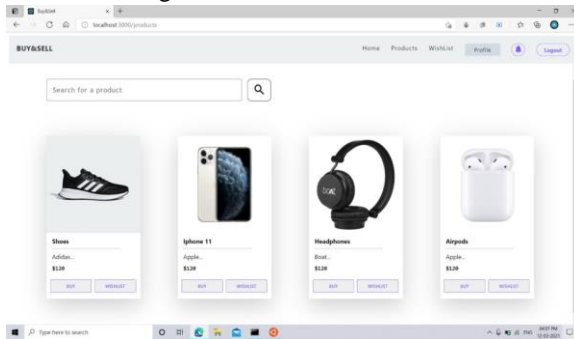
11. If the Buyer chooses to accept Home Delivery, then all the Hybrid users will receive a notification regarding the Courier of the product.
12. If a Hybrid user Z finds the pickup and drop location of the product convenient, then he will accept the Hauler Service Notification. Then the contact details of the Hybrid User Z will be shared with the buyer and seller and vice versa.
13. A user can view all the products he has put up for sale in the 'My Products' tab. He/she can remove any product they have uploaded. Hence, that product would not be visible on the 'Products' Page.

## RESULTS

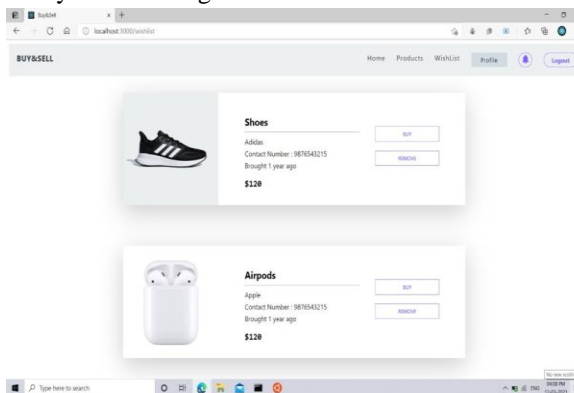
### 1. Home Page



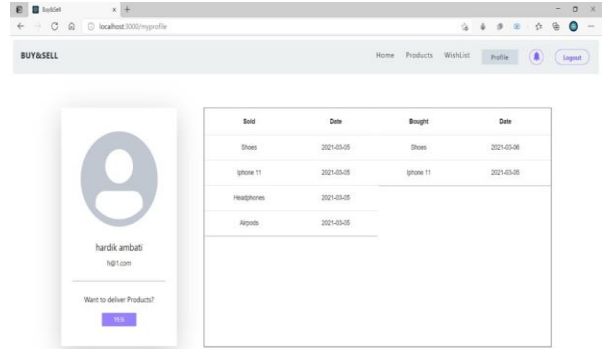
### 2. Products Page



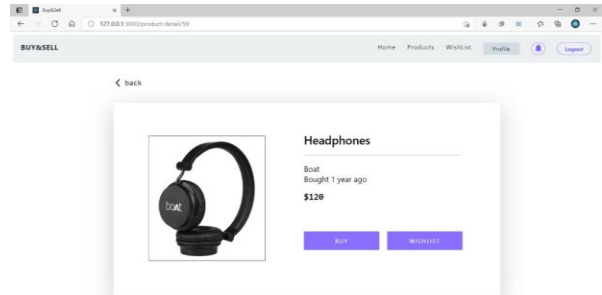
### 3. My Wishlist Page



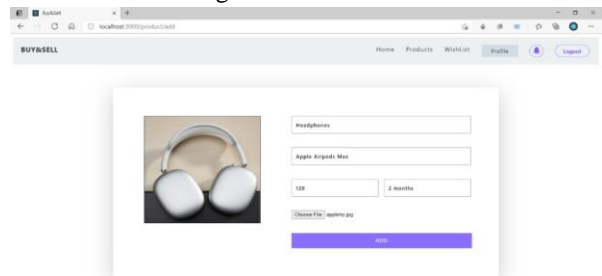
### 4. Profile Page



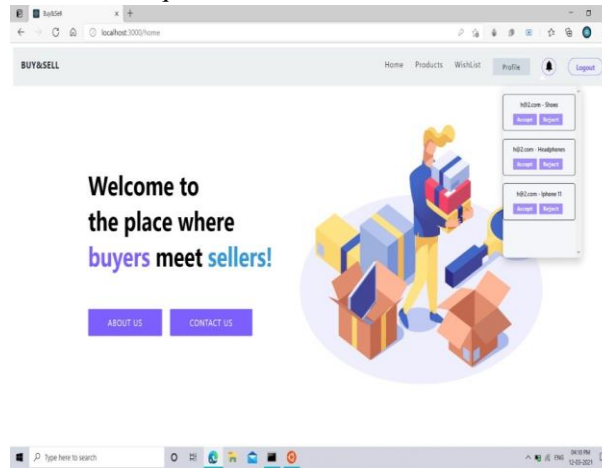
### 5. Product Info



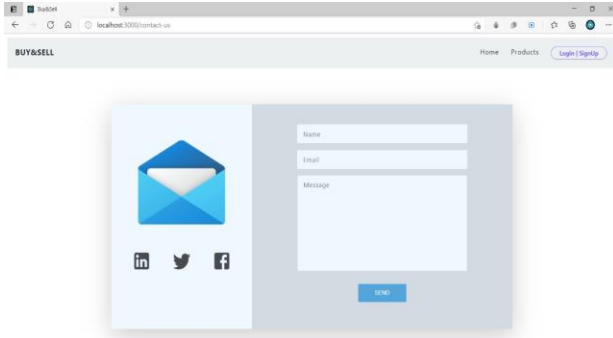
### 6. Add Products Page



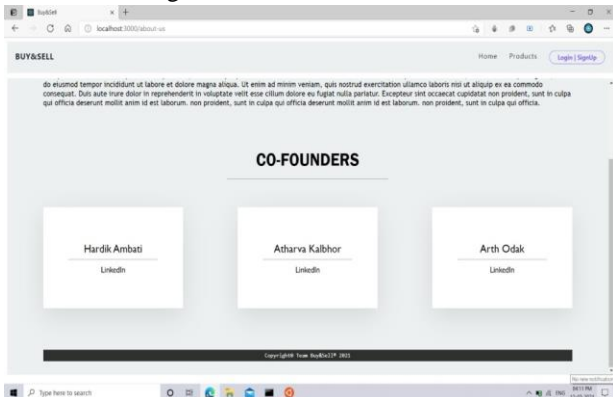
### 7. Product Request Notification



### 8. Contact Us Page



### 9. About Us Page



### 10. Hauler Delivery Request Notification Page

| Product    | Deliver By | Deliver To | Deliver From | Deliver To | Accept |
|------------|------------|------------|--------------|------------|--------|
| Headphones | hg1.com    | hg2.com    | Hyderabad    | Hyderabad  | ✓      |
| Apples     | hg1.com    | hg2.com    | Hyderabad    | Hyderabad  | ✓      |
| Ipone 11   | hg1.com    | hg2.com    | Hyderabad    | Hyderabad  | ✓      |
| Shoes      | hg1.com    | hg2.com    | Hyderabad    | Hyderabad  | ✓      |
| Headphones | hg1.com    | hg2.com    | Hyderabad    | Hyderabad  | ✓      |

### CONCLUSION

The primary aim of this project is to connect the buyers and sellers directly with ease and to provide a source of income to Haulers. This aim has been successfully implemented. We have refined our website several times so to improve its accessibility and to make it easy to use.

We have integrated 'Mail Notification' so that the user gets an email whenever required, so that she/he is kept

updated. Also, this website can be put in use by hosting it on a server, so that it can be used locally. Haulers can get all the details of the delivery to be made. She/he can be a user who can access/buy/sell a product.

Segments have been made in the website for haulers, where they can accept the delivery according to their wish. In this way, we can also provide a source of income for the people who want to be a part of this system.

Overall, we foresee for a better experience of users & develop the website in future, by increasing the transparency and

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