

Project Report for SearchYourDeal.com

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1. Introduction

Have you ever heard about an online space where buyer can search products on the basis of *distance*, or have you ever heard about online negotiation over price of the product between seller and buyer???...“**SEARCHYOURDEAL.com**” is the place where you can find all these facilities .The main objective of the project is to reduce the problems faced by the buyers and sellers while shopping on the web. This website helps the buyers ultimately to get the product of their choice easily and the seller to sell the product of their choice easily.

1.1 Scope

We are living in a time where everything is at the click of a mouse .Internet is the new market and even the fastest .Life is easier with these plethora of E-shopping and selling-buying websites coming into the picture . People order things and are delivered to them in no time at their doorsteps. Time is the master and we all are its slaves . Everyday technology is becoming faster , smarter and customer friendly.

In such a scenario and having observed as well as experienced being an E-customer , what hinders this whole online relationship between a seller and a buyer is **Customer Reachability and one to one bargain over the price**. You surely won't travel a distance of 100 kms to sell your item and get a few bucks and this is the primary scope of my project.

1.2 Overview

In this section, I have introduced the project and the adjoining purposes. Rest of the document is organized in a separate section. In that section, I am trying to capture the functional, logical database requirements and non-functional requirements.

2. General Description

2.1 Product Perspective

This project is designed to provide a buyer or a seller with a tool that facilitates the real time online marketing where the buyer can buy different products as well as can make different wishes according to his/her day to day requirements .Buyer can even **negotiate** over the price of the product with the seller if the product is available for **Negotiation**. **Seller's rating** and **Reviews** are also made available for the buyers on the website. The website provides buyers with two modes of purchase ,the first is **PEER2PEER** ,where the buyer and the seller will take care of the deal between themselves and admin will have no interference in between, and the second mode

is **PING2ADMIN**, in which seller just informs the admin about the product he/she wants to buy and then rest will be taken care of by the admin. The website also provides space for **HOTDEALS**, where products with discounts are only displayed. The website will serve as common platform for every user to sell or buy products on the online store. The website provides a dominant feature in which every buyer will be shown different items on the online store not only on the basis of category and prices but also on the basis of **distance**, which will help the buyer in making choice while shopping. Prior to this website, there was no concept of showing the product on the basis of distance which was a problem. So, my website will replace the old model of online shopping. The advantage over old model will be the ease of use and maximum profit.

2.1.1 System Interface

Apache will be used as web server. The user inputs data via the web server using HTML forms. The actual program that will perform the operations is written in PHP.

2.1.2 User Interface

The new model shall provide a very intuitive and simple interface to the user so that the user can easily navigate through pages, categories and modes (buyer or seller).

2.1.3 Hardware Interface

Server Side: The web application will be hosted on a web server which is listening on the web standard port, port 80.

Client Side:

- Monitor Screen - The software shall display information to the user via the monitor screen.
- Mouse - The software shall interact with the movement of the mouse and the mouse buttons. The mouse shall activate areas for data input, command buttons and select options from menus.
- Keyboard - The software shall interact with the keystrokes of the keyboard. The keyboard will input data into the active area of the database.

2.1.4 Software Interface

Server Side: An Apache web server will accept all requests from the client and forward it accordingly. A database will be hosted centrally using MySQL.

Client Side: An OS which is capable of running a modern web browser which supports JavaScript.

2.1.5 Communication Interface

The proposed product shall be distributed across the network through Internet and will follow the mechanism of Client-Server application architecture. The HTPP protocol will be used to facilitate

communication between the client and server.

2.2 User Characteristics

- User must be Computer literate.
- User must be conversant with at least one operating system.
- User must be familiar with the modern browsers like Google Chrome.

2.3 Constraints

Since, the proposed system is to be developed using dedicated specifications, therefore following are the limitations pertaining to the selected technology:

- Web content is only in English.
- The system runs on a single server
- with no backup .
- System requires some manual work also, which cannot be facilitated. More developer-oriented.
- Special cases cannot be covered.

2.4 Assumptions and Dependencies

- All the users whether buyer or the seller are using genuine and reliable information.
- Sellers are posting their advertisement of the products which will be made available for the buyers on the online store.
- Users are using the proper Internet services which will allow their web browser to load this website easily with fast speed.

3. System Requirements

3.1 Hardware Requirements

- Processor: Intel P-IV 2.4 GHz or above. RAM: 256 MB or above.
- HDD: 40 GB or above. Monitor: SVGA Color.
- Keyboard: Basic QWERTY Keyboard. Mouse: Basic Plug and Play mouse.

3.2 Software Requirements

- Operating System: Any.
- Application Software: Any Browser (runs best in Google Chrome).

4. Specific Requirements

4.1 External Interfaces

The users on the website have to interact by using forms. The proposed system will use the standard input/output devices for a personal computer. This includes the following:

- Keyboard
- mouse
- monitor

The package provides pull down menus from which the user can select and links and icons to navigate among the web.

4.2 Functional Requirements

There are basically two modules in this website.

a)BUYER

b)SELLER

4.2.1 BUYER

Buyer can easily buy the product available in the online store. There are nine broad categories of products which will help buyers to be precise in their search and the nine broad categories are-

- WOMEN
- MEN
- KIDS
- HOMEWARE
- ELECTRICAL
- STATIONARY
- SPORTS
- MUSICAL INSTRUMENTS
- VEHICLES

➤ INPUT 1:

User need to just **click on the product** of their choice from different categories.

➤ OUTPUT 1:

Full **description of the product as well as the seller** will be shown.

➤ INPUT 2:

User can go for **Negotiation** and enter his Negotiable price if the product is available for Negotiation.

➤ OUTPUT 2:

Seller will be informed about your negotiation and he may respond accordingly.

➤ INPUT 3:

User need to now select one of the **two Deal Confirmation options**, either "PEER2PEER" or "PING2ADMIN".

➤ OUTPUT 3:

Mode of **Deal Confirmation** will be confirmed .

PEER2PEER

➤ INPUT 4:

Buyer need to click on **Click to Complete the deal**.

➤ OUTPUT 4:

An email will be sent to buyer's email-id which will contain the details of the seller.

PING2ADMIN

➤ INPUT 4:

Buyer need to enter their **email id** and **mobile number** to be contacted by the admin.

➤ OUTPUT 4:

A message will be shown that "**ADMIN WILL CONTACT U SOON**".

4.2.1.2 CAN MAKE WISH

In this function the buyer will be able to make wishes as per their day to day requirements.

Buyer make wishes when the product which the buyer is searching is not available in the online store.

➤ INPUT:

Buyer need to fill the following details-

- Category
- Wish name

- Pics
 - Expected price
 - Company
 - Buyer's email id
- OUTPUT:
- Buyer's wish will be shown to the sellers at the online store according to which they will post their product's advertisement.

4.2.1.3 CAN REFINE SEARCHING

In this function the buyer can sort their search according to-

- DISTANCE

➤ INPUT:

User needs to enter the range of the distance within which the products are available on the online store.

➤ OUTPUT:

Sorted list of product will be shown according to the distance.
- PRICE

➤ INPUT:

User needs to enter the range of the price within which the products are available on the online store.

➤ OUTPUT:

Sorted list of product will be shown according to the Price.

4.2.1.4 BUYER SIGNED IN

There will be various advantages for the buyer when the buyer gets signed in. He will be able to see the following things-

- a) Complete details of the product purchased till now.
- b) Complete details of the wishes he has made till now.

He will be able to perform following things-

- a) Can confirm whether his/her wish has been fulfilled or not.
- b) Can submit his/her complain regarding any issue to the admin.

4.2.1.5 Hot Deals

This place is mainly made for the people who always love to take discount. This is a place where products from different categories will be displayed according to the Discount(More than 10%).Buyers can click on any of the product and continue the whole process.

4.2.2 SELLER

4.2.2.1 SELLER CAN SELL

Here the seller can view all the products which are available on the online store as well as different wishes of the buyers which will help the sellers to post their products add accordingly.

➤ INPUT 1:

Seller need to click on the “POST UR FREE ADD” .

➤ OUTPUT 1:

A list will be shown to the seller to fill the details of the product.

➤ INPUT 2:

Seller need to fill the following details of the product-

- a) Category
- b) Product name
- c) Image1(compulsory)
- d) Image2(optional)
- e) Image3(optional)
- f) Price
- g) Terms on Price(Fixed/Negotiable)
- h) Company
- i) Quantity
- j) Product description
- k) Seller’s email id(auto fill)
- l) Seller’s Address
- m) Seller’s Name(auto fill)
- n) Seller’s Mobile Number

➤ OUTPUT 2:

The information related to the product will be stored and will be shown to buyers on the online store after admin verifies it.

4.2.2.1 SELLER SIGNED IN

There will be various advantages for the SELLER when the SELLER gets signed in. He will be able to see the following things-

- a) Complete details of the product posted till now.
- b) Complete details of Reviews from the buyers.

He will be able to perform following things-

- a) Can submit his/her complain regarding any issue to the admin.
- b) Can check negotiations related to each product and can accordingly take decisions.
- c) Can update price of the product as per requirement.
- d) Must confirm about the buyer once the product is sold for better functioning of the website.
- e) Can upgrade the time limit of the product on the site(Max. up to 7 days).

4.3 Performance Requirements

The system should support at least 100 concurrent users. This statement provides a general sense of reliability when the system is under load. It is important that a substantial number of users be able to access the system at the same time, since an online shopping website is important to the buyers and sellers across the country. The times when the system will be under the most stress are likely during festival times. Therefore, it must be able to handle at least 100 concurrent users. The load time for user interface screens shall take no longer than few seconds; The log in information shall be verified within specified seconds; Queries shall return results within few seconds.

4.4 Logical Database Requirements

All data will be saved in the database. The database allows concurrent access and will be kept consistent at all times, requiring a good database design.

4.5 Design Constraints

- The communication between the website and the database will be in SQL.
- The website layout will be produced with HTML/CSS.
- The website will be written in PHP.
- The output must be compatible with W3C XHTML 1.0
- The source code must follow the coding conventions of PHP.
- System administrators must have access to comprehensive documentation.

4.6 Software System Attributes

4.6.1 Reliability

The reliability of the overall program depends on the reliability of the separate components.

4.6.2 Availability

The Web-GIS tool shall be available, up and running for 24*7 throughout the year except due to the routine maintenance activities.

4.6.3 Security

Passwords will be saved encrypted in the database in order to ensure the user's privacy. The user's IP will be logged.

4.6.4 Maintainability

The System is being developed using Open-Source technology. Therefore, minimal efforts shall be required during the maintenance activities through-out its life cycle and shall be easy to maintain.

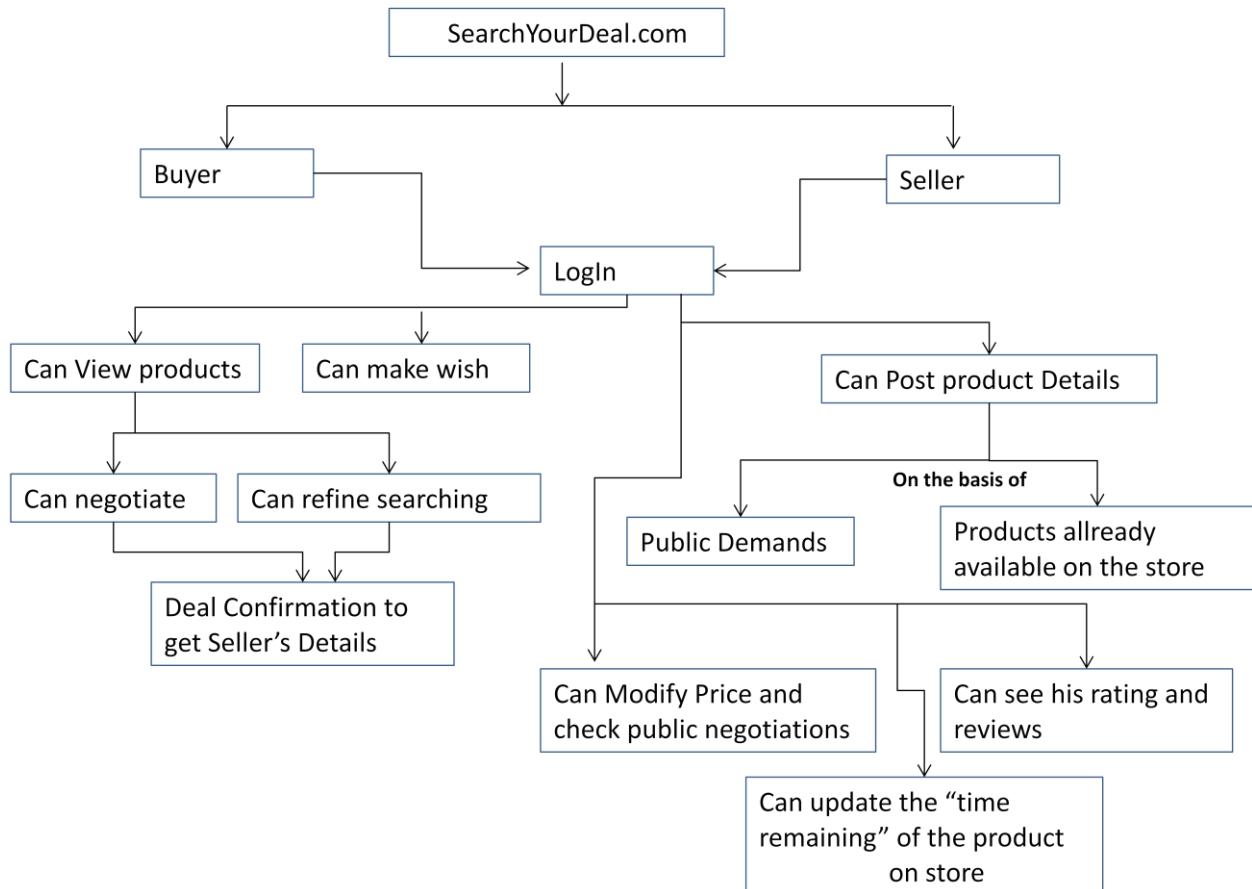
4.6.5 Portability

The System shall run in any computer environment (such as, Microsoft Windows, Linux) which is having Web Browser and Internet connection.

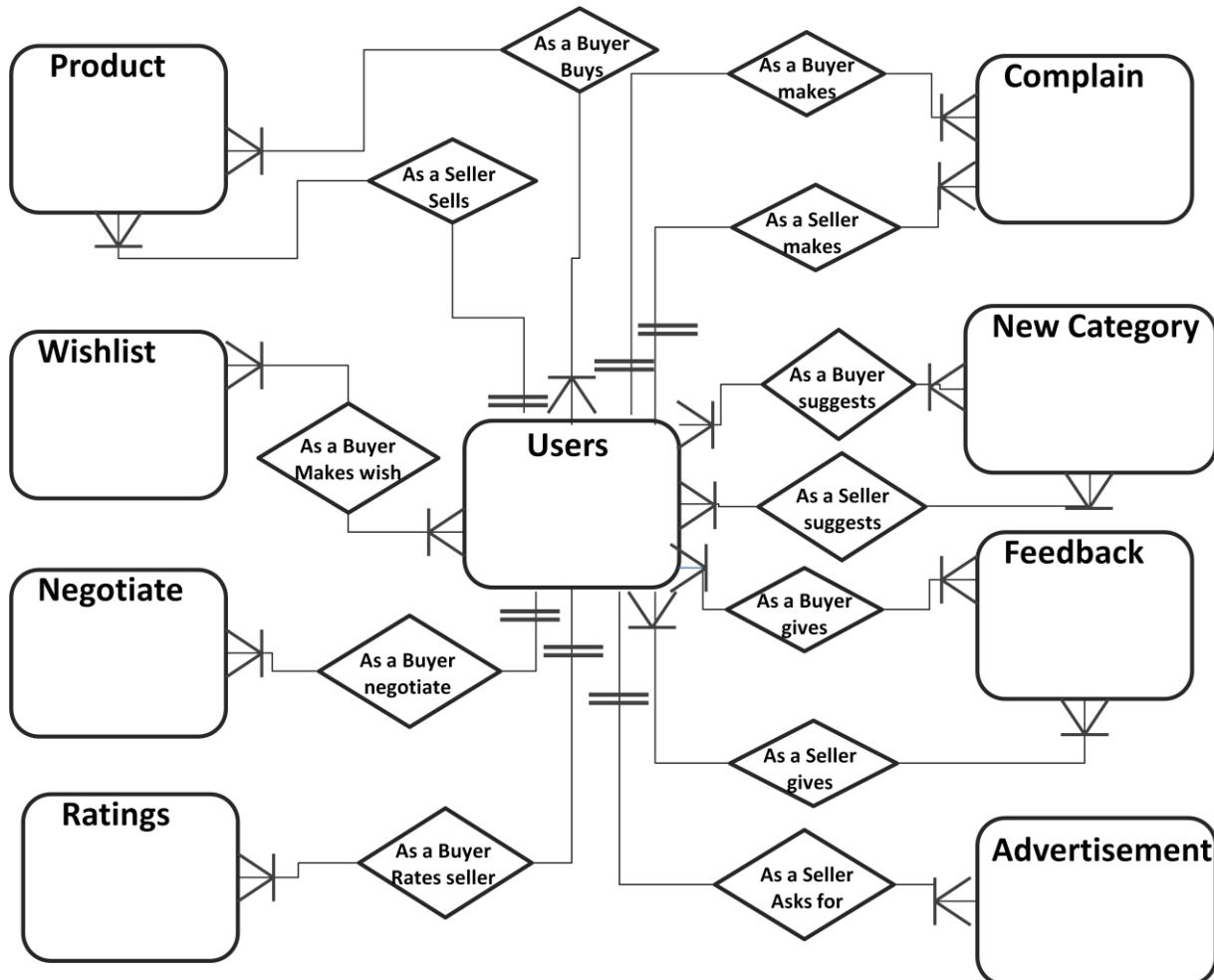
5. System Design

5.1 System Workflow

Our system follows top down model of software engineering.



5.2 Class Diagram



5.3 Database Design

Table Name: Users

Timestamp	type	Email	Password	Mobile number	Active	Latitude	Longitude	Country	Region	City	Name	Address
pass confirmation	Count	Ratingvalue	totalrating									

Table Name: Wishlist

Wishid	Email	Bulkorder	Productname	Pic	Category	Expectedprice	Company	Time	Active	status
--------	-------	-----------	-------------	-----	----------	---------------	---------	------	--------	--------

Table Name: Rating

Selleremail	Rating	Sn	Buyermail	Comment	image	Name	time
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Table Name: product

Productid	Productname	Productdescription	Mrp	Prevrice	Pricemode	Procategory	Quantity	Company	Image1	Image2
Image3	Emailseller	Emailbuyer	Active	Priority	Time	Address	Name	Latitude	Longitude	mobile
Rated	Sold	Soldto	3dayswarn	2dayswarn	1dayswarn					

Table Name: Newcategory

Email	time	category
-------	------	----------

Table Name: Negotiate

Productid	Sn	Status	Name	Currentprice	Negotiationprice	Buyeremail	time
-----------	----	--------	------	--------------	------------------	------------	------

Table Name: Feedback

Name	Feedback	time
------	----------	------

Table Name: Complain

Email	Name	Complained	Detail	Time	subject
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Table Name: Advertisement

Ad_id	Image	Email	Description	Advertisername	Time	Mobile	address
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5.4 Interface Design

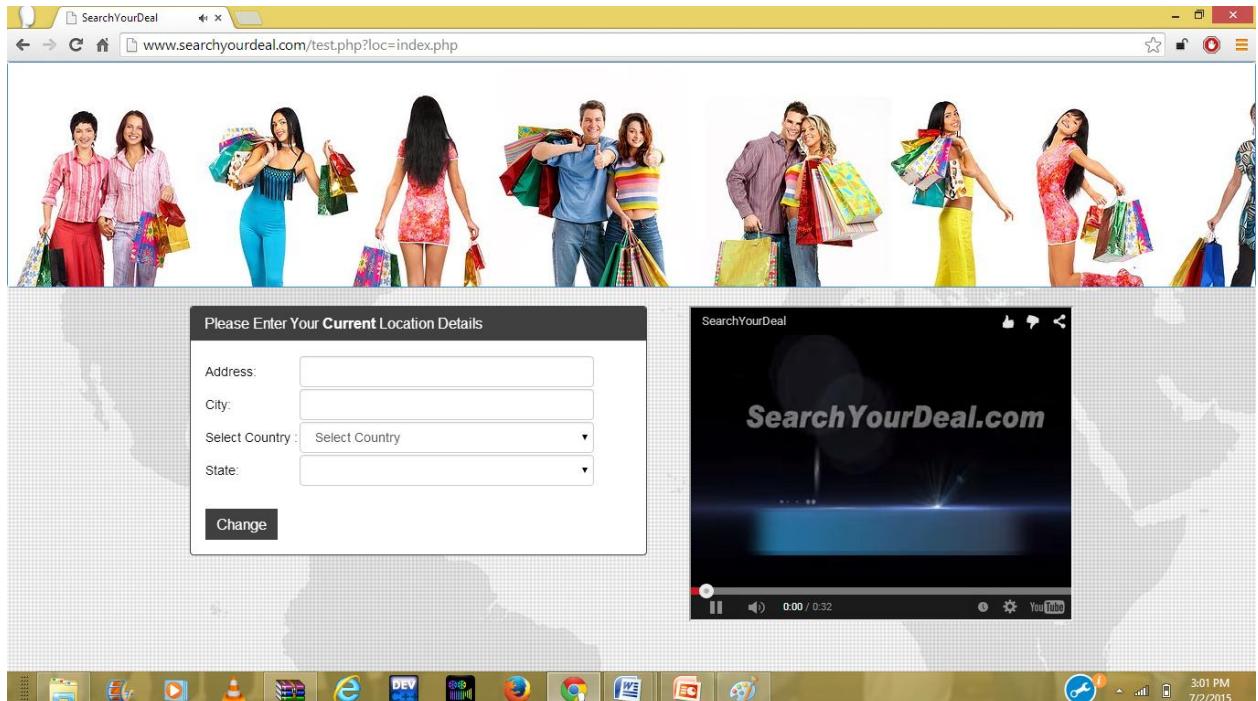


Fig 1: Enter Your Current Location

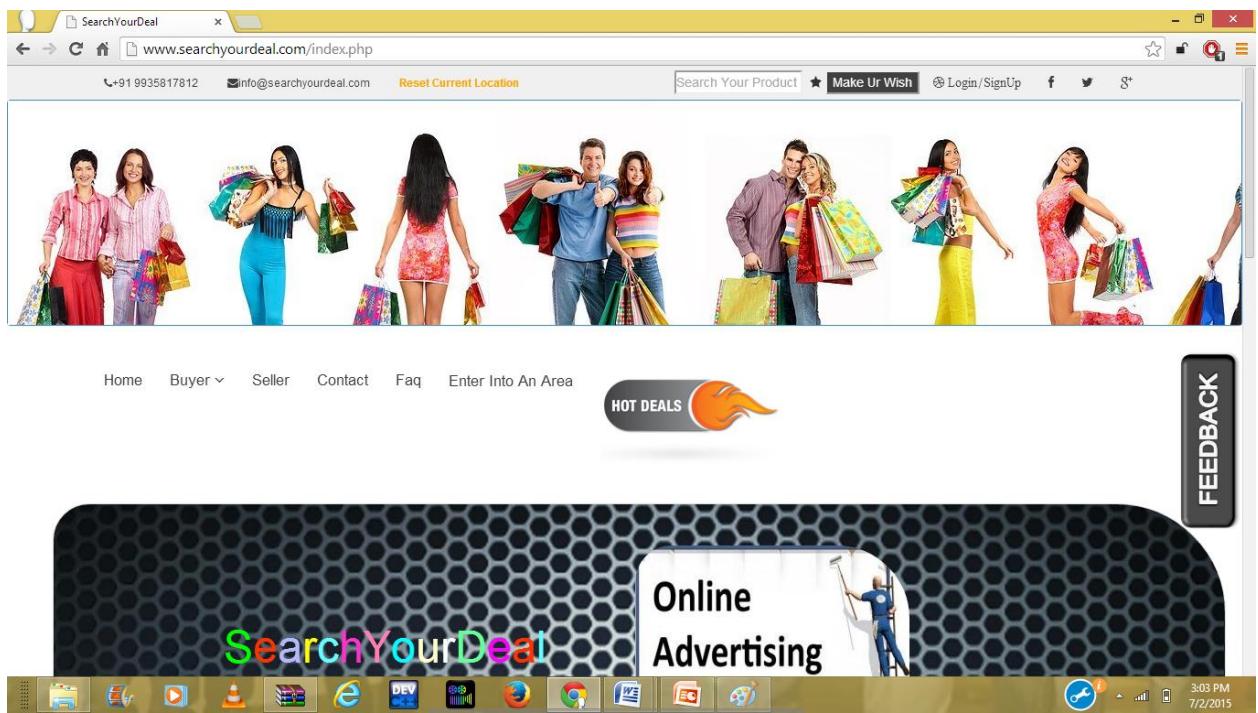


Fig 2: Index Page

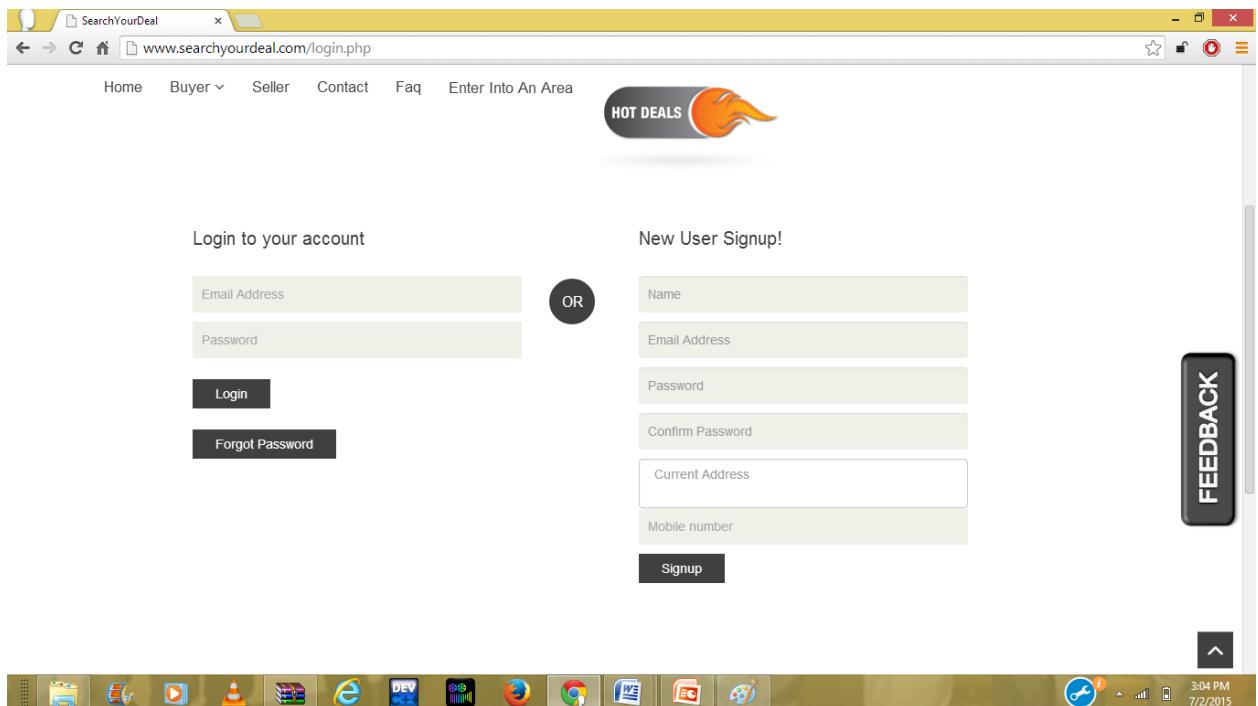


Fig 3: Signup

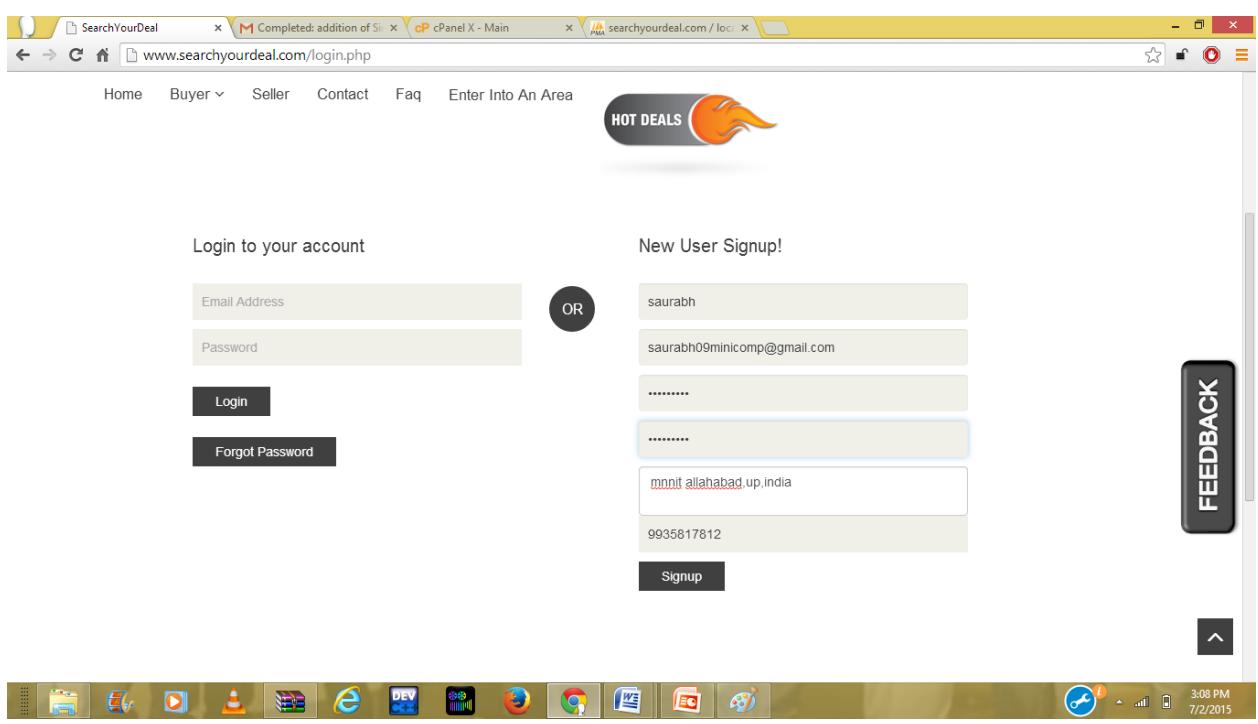


Fig 4: Enter Signup Details

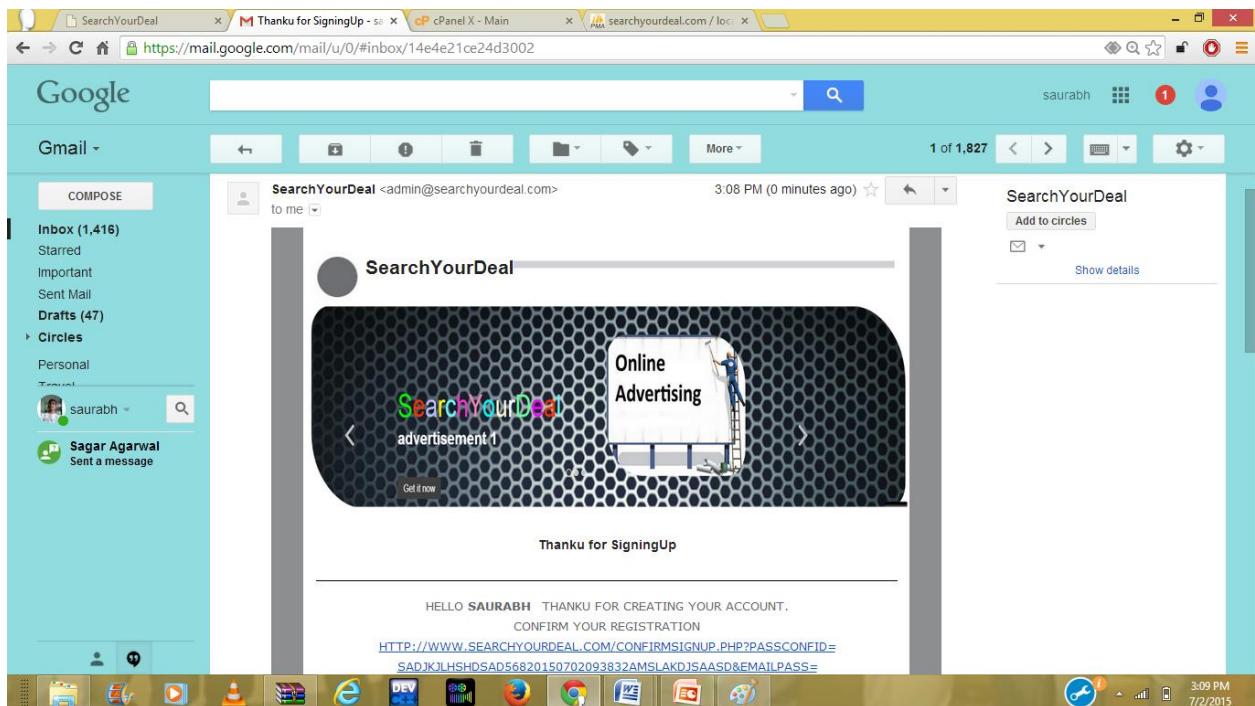


Fig 5: Signup Email Confirmation(Click on Confirmation link to confirm)

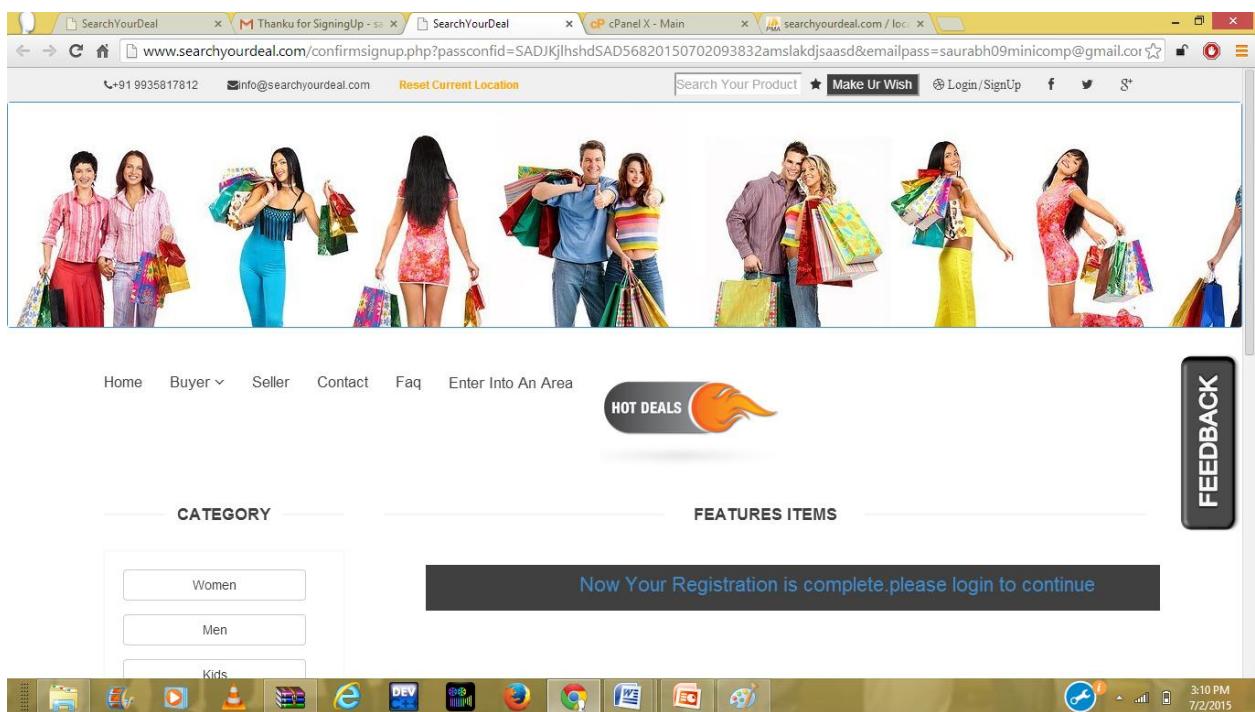


Fig 6: Signup Process Complete

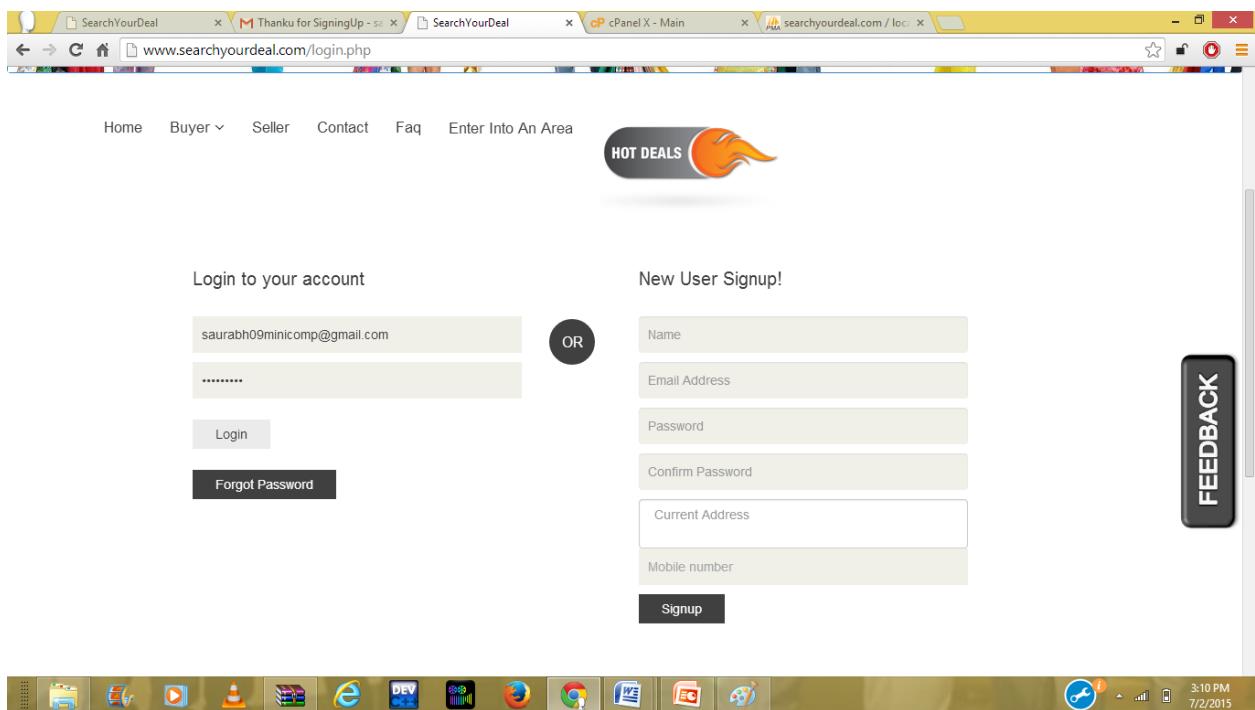


Fig 7: Enter Your Login Details

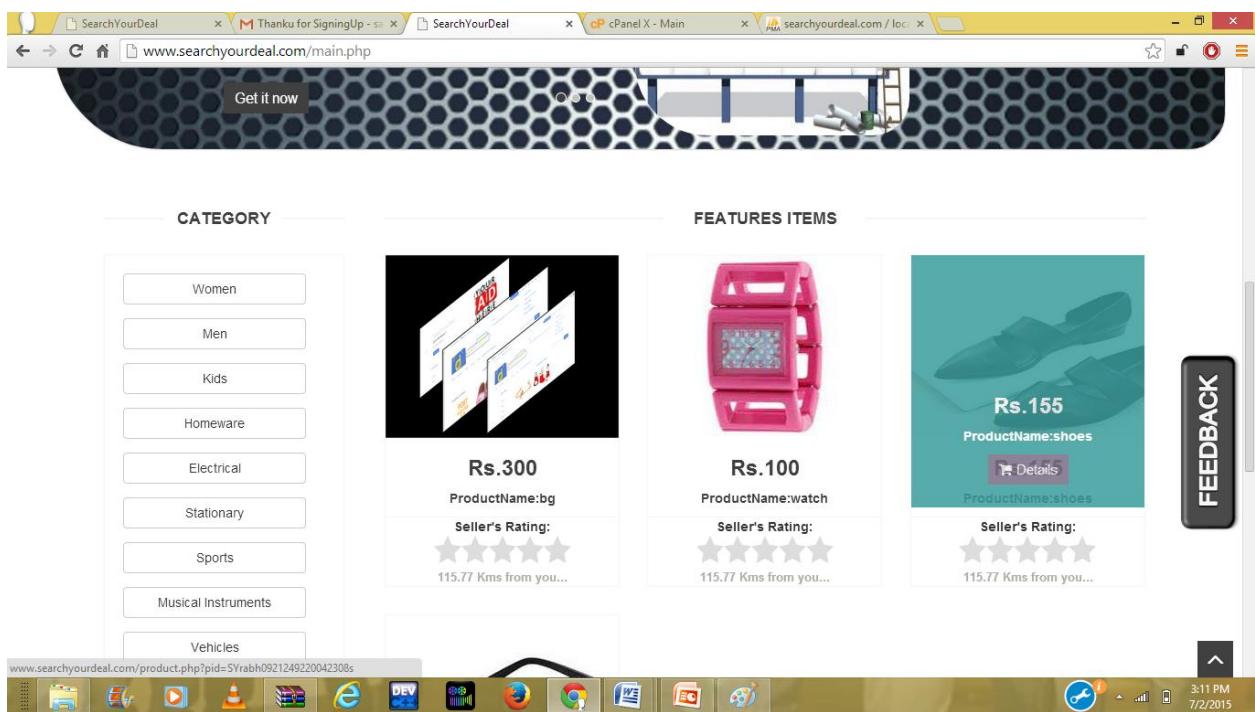


Fig 8: Click on any Product to see its details

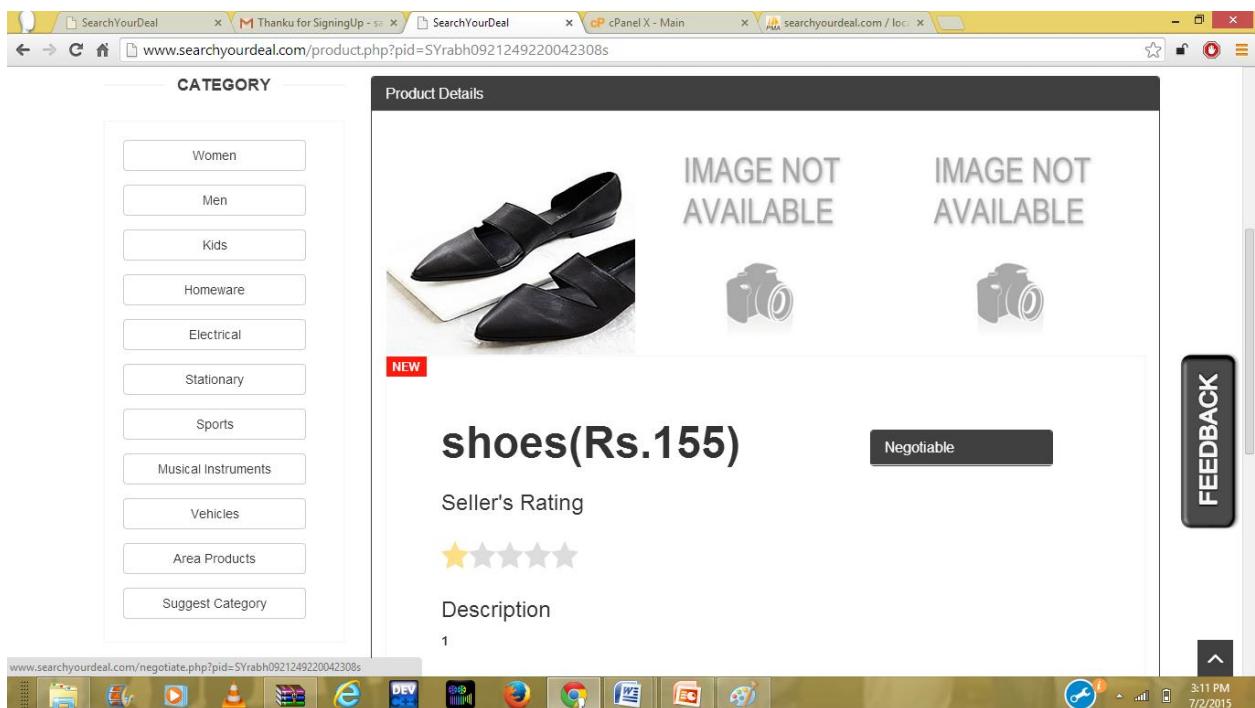


Fig 9: Click on Negotiable (if available) for negotiation

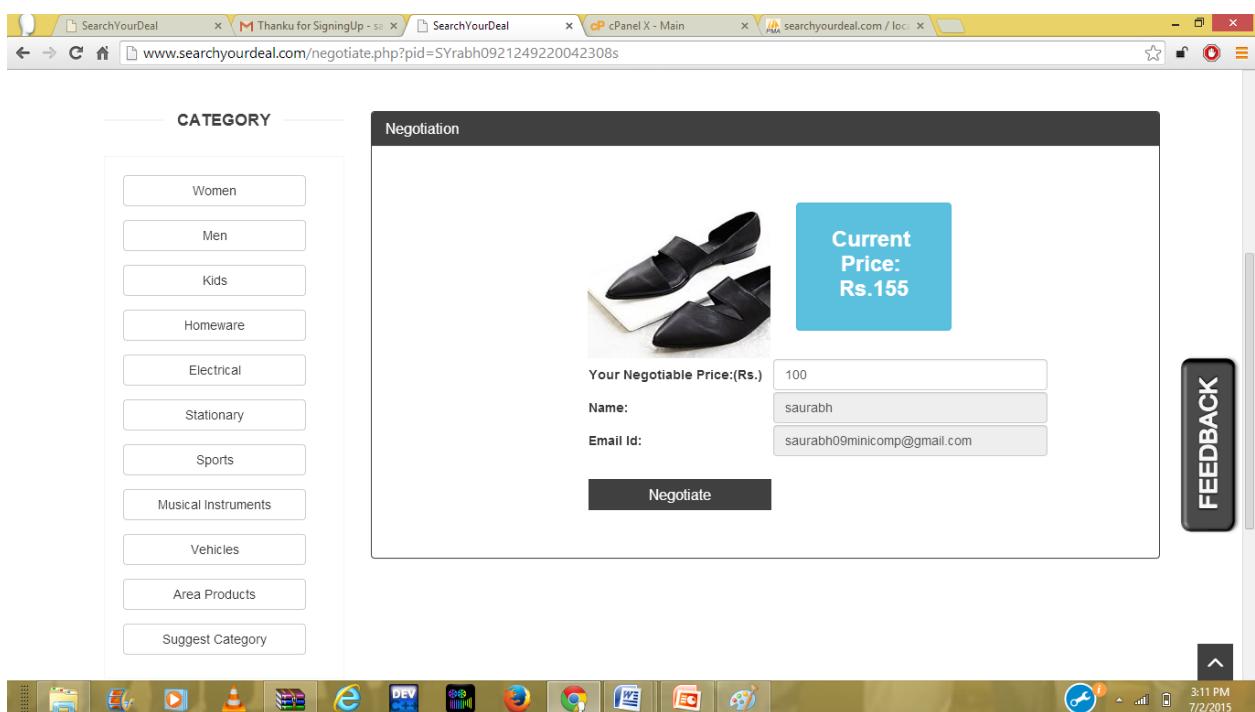


Fig 10: Enter Negotiable Price

Reviews



Fig 11: Click on PEER2PEER mode to confirm your deal

Fig 12: Click to complete the deal

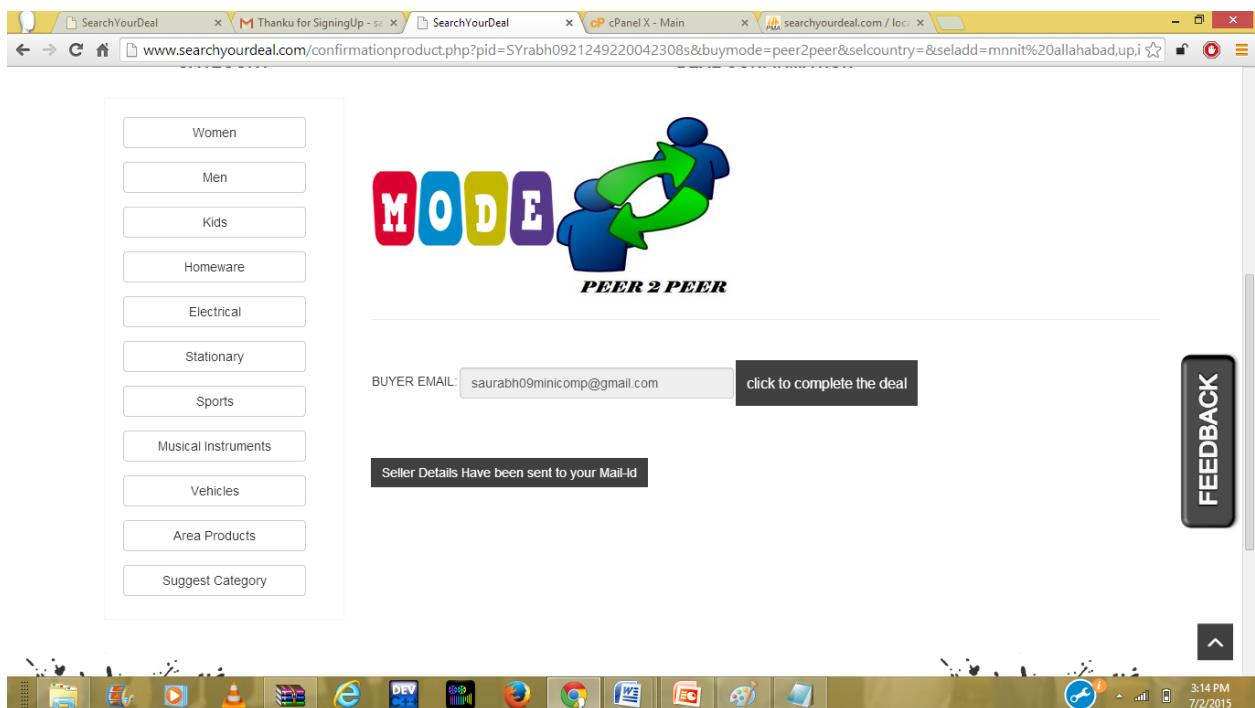


Fig 13: A message showing that Seller's details have been sent to your account

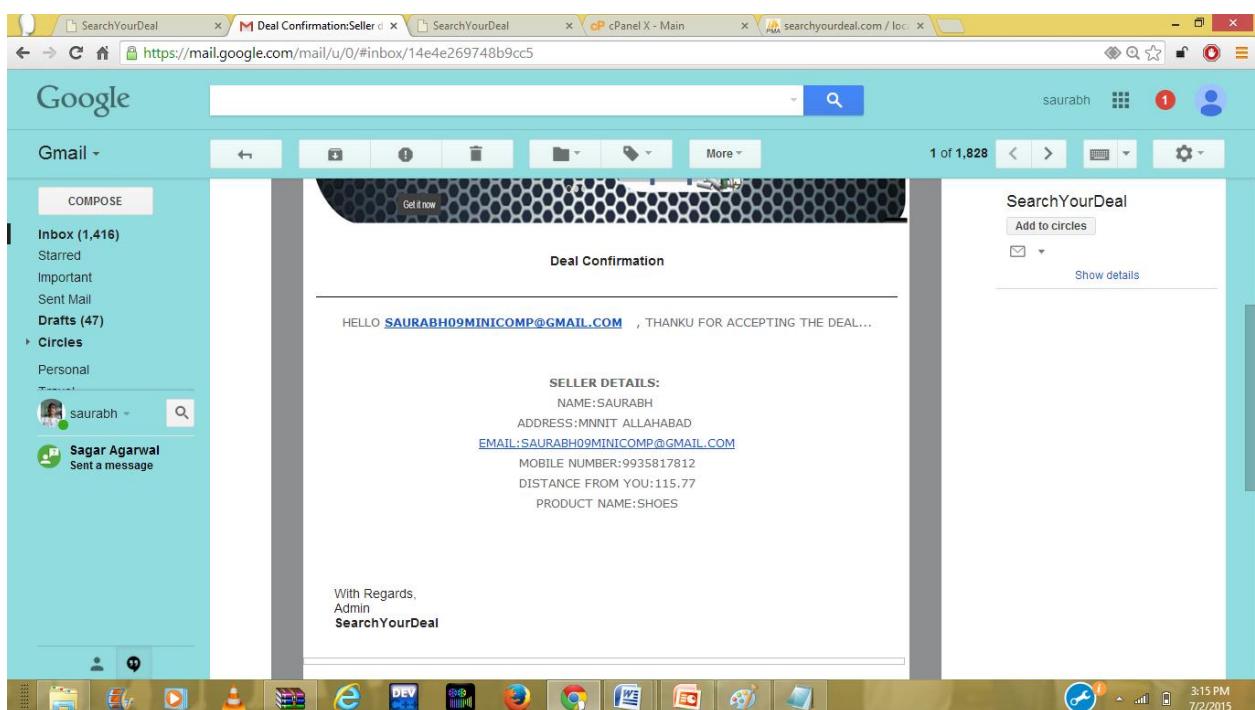


Fig 14: Email containing Seller's details.(You can now directly contact the seller)

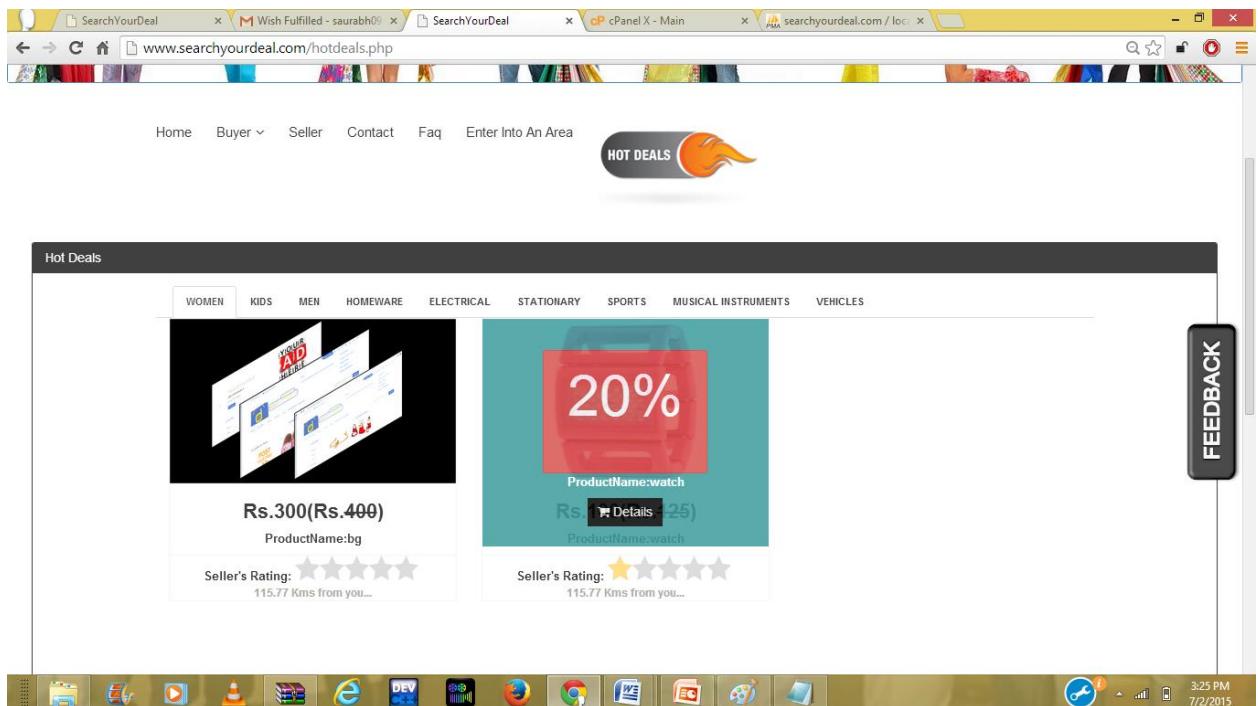


Fig 15: HOT DEALS(products with discounts are displayed)

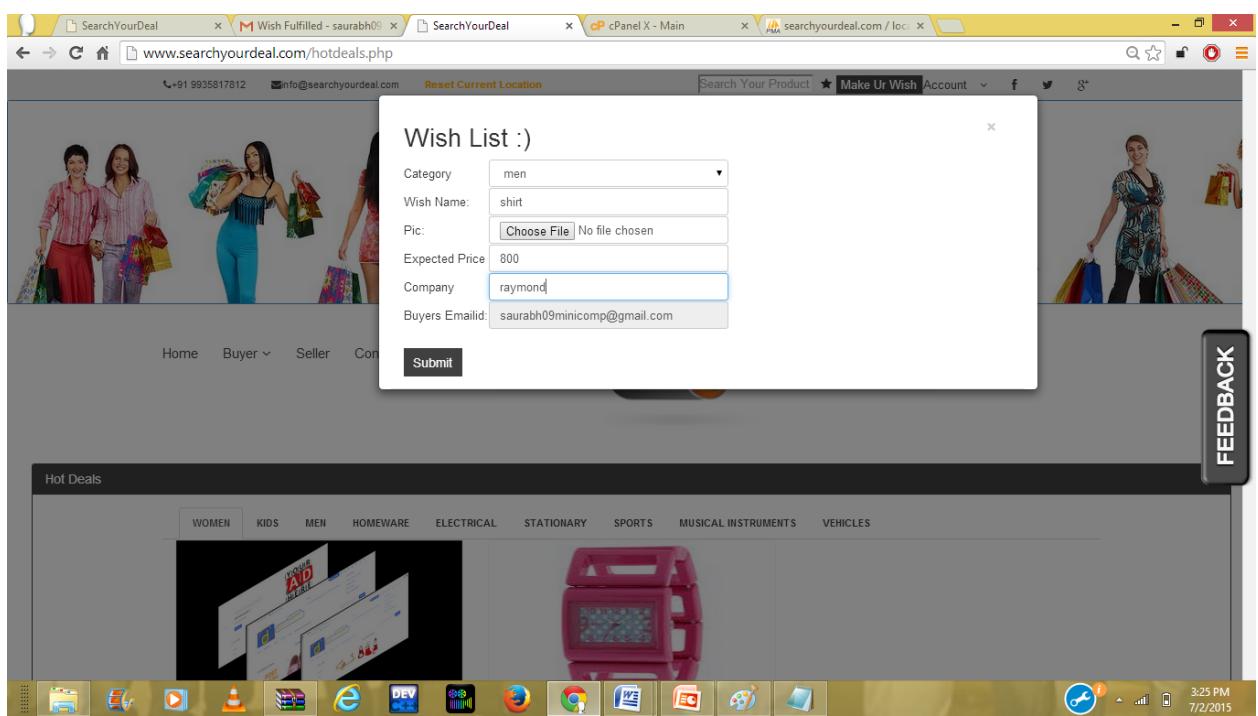


Fig 16: Buyer can make wish

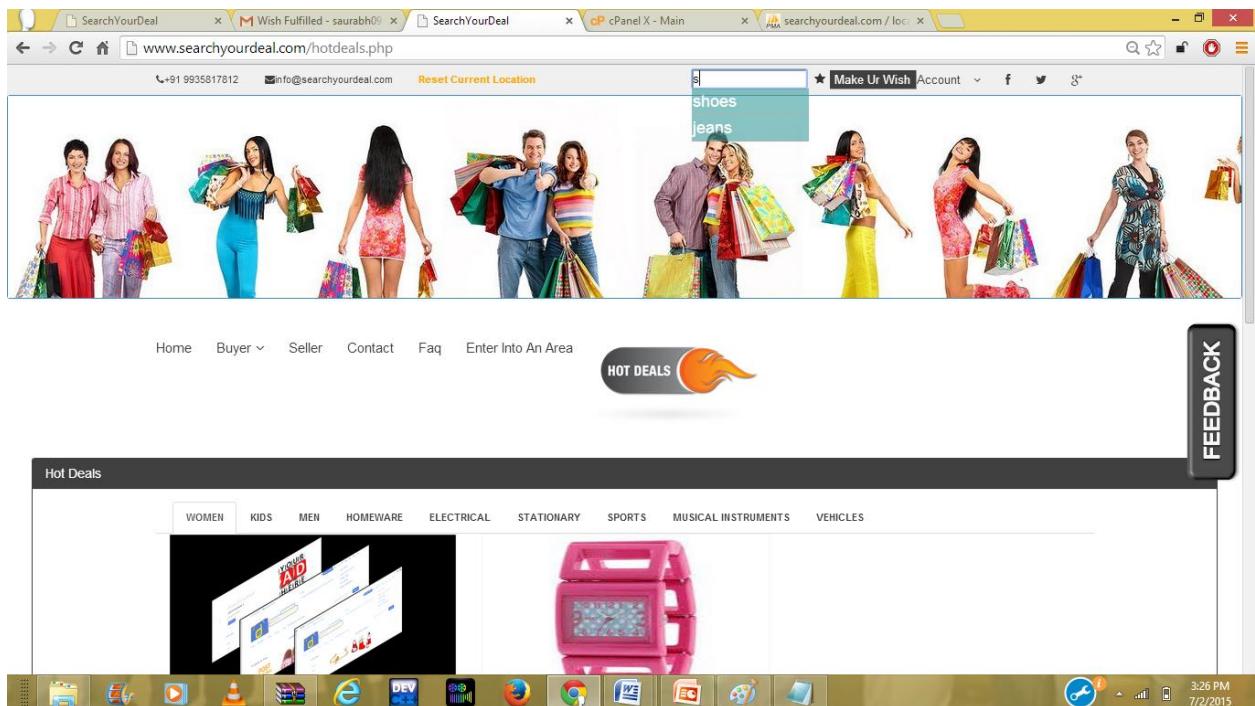


Fig 17: search your product using search box at the top of every page

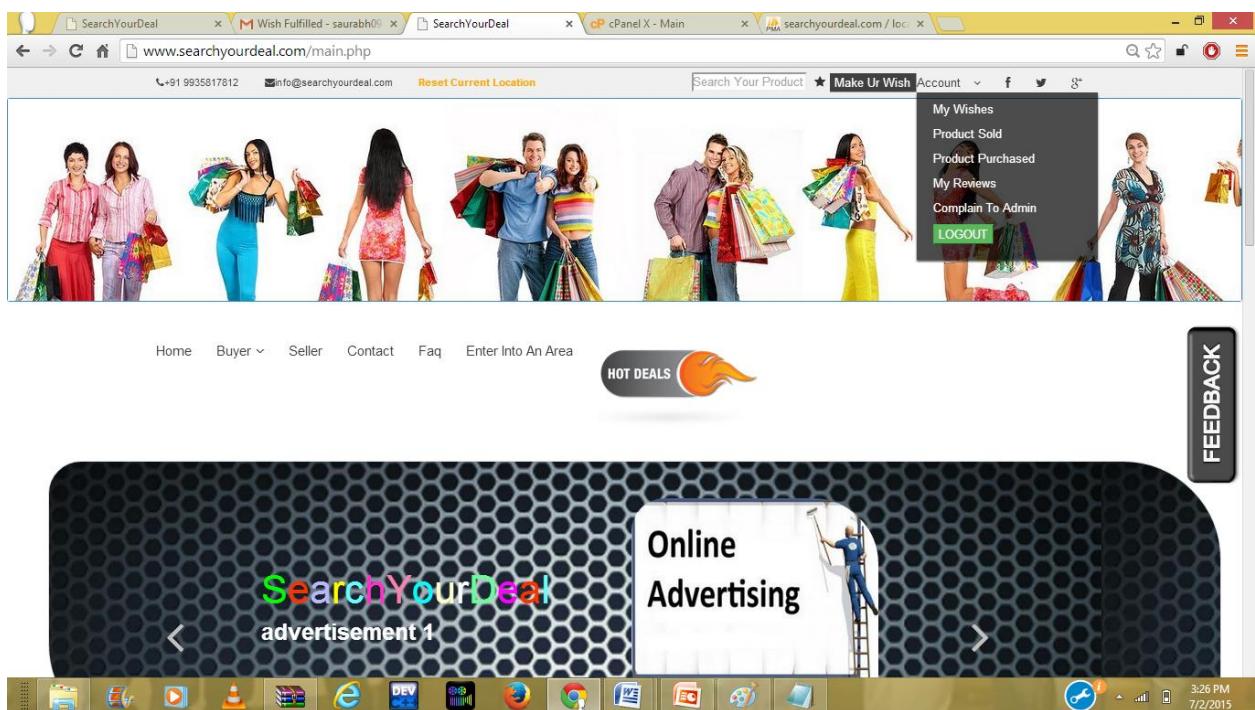


Fig 18: Account Benefits listed

The screenshot shows a web browser window with multiple tabs open. The main content area displays a 'WISHLIST' table with the following data:

CATEGORY		MY WISHLIST					
WishId	Product Name	Category	Expected Price	Company	Wish Fulfilled???		
Wdrab21220101047s	iPod	electrical	1500	apple	Wish Fulfilled		
Wdrab21220101101s	jeans	men	1200	reebok			
Wdrab21220101123s	rd sharma	stationary	2	classmate			
Wdrab21220101138s	guitar	musicalinstruments	5000	patanh			
Wdrab21220101157s	plug	electrical	200	pata nhi			
Wdrab39220095600s	shirt	men	800	raymond			

A sidebar on the left lists categories: Women, Men, Kids, Homeware, Electrical, Stationary, Sports, Musical Instruments, Vehicles, Area Products, and Suggest Category. A 'FEEDBACK' button is located on the right.

Fig 19: Wish list of the buyer

The screenshot shows a web browser window with multiple tabs open. The main content area displays a 'PRODUCT PURCHASED' table with the following data:

CATEGORY		PRODUCT PURCHASED						
Product Id	Product Name	Category	Price	Company	Quantity	Time		
SYrabh0921249220042308s	shoes	men	155	pata nhi	1	2015-07-02 09:59:40		

A banner at the top features a group of people holding shopping bags. A 'HOT DEALS' button is visible. A sidebar on the left lists categories: Women, Men, Kids, and Homeware. A 'FEEDBACK' button is located on the right.

Fig 20: Details of the Product Purchased

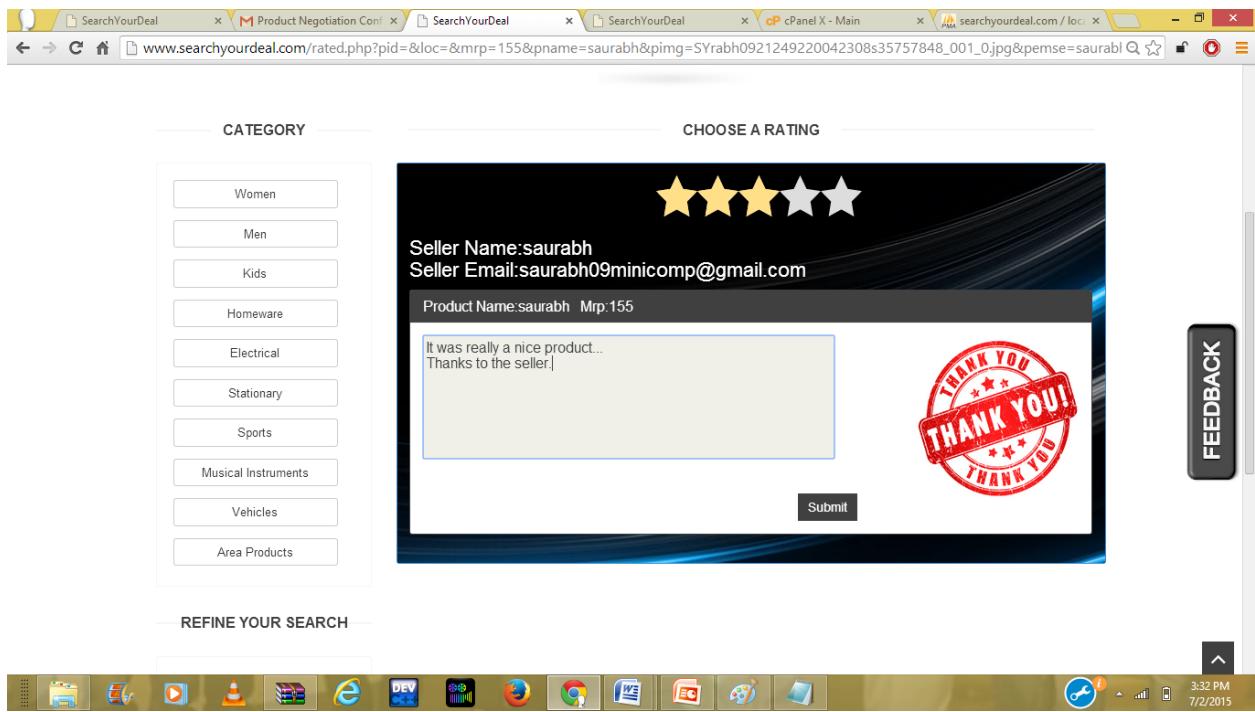


Fig 21: Buyer Rates the product of the seller

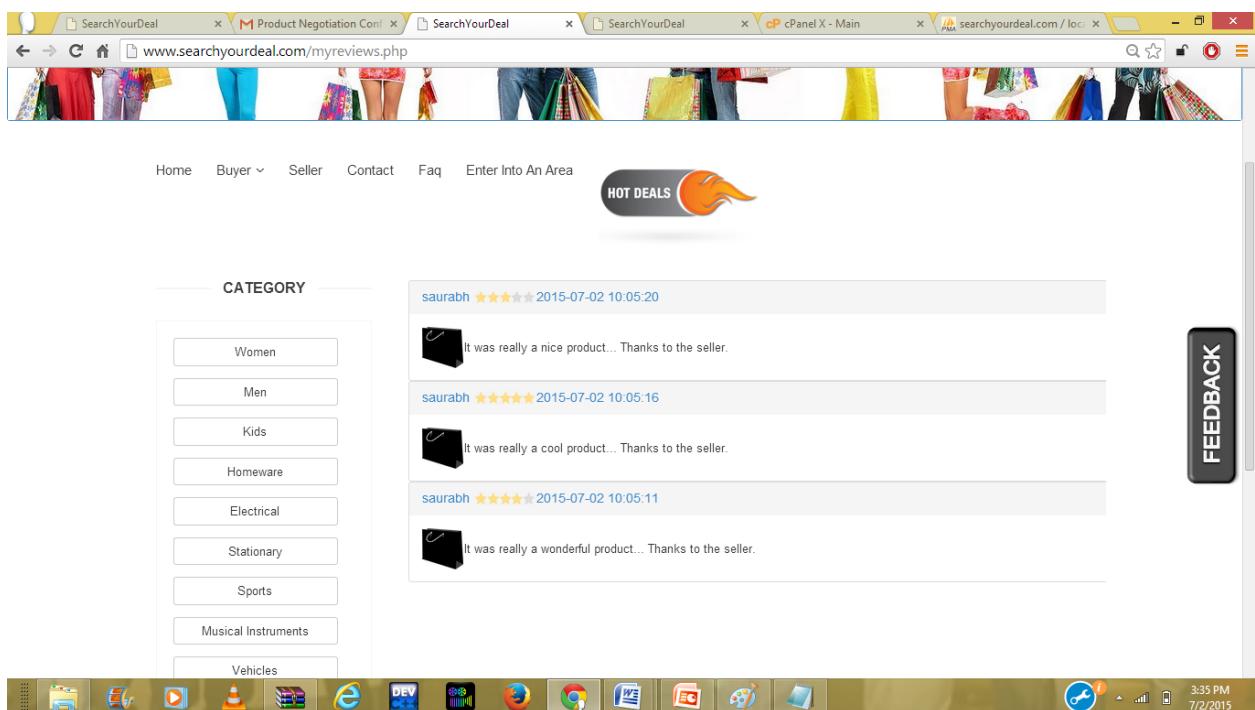


Fig 22: Seller's Ratings and Reviews

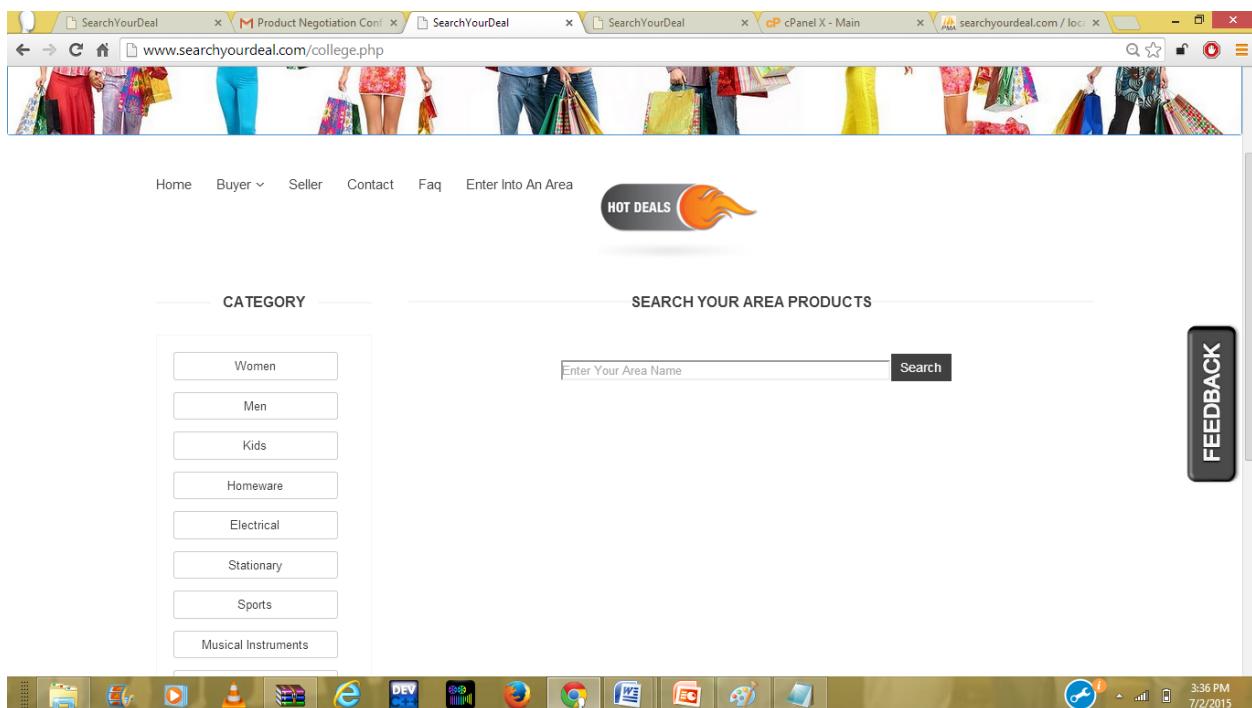


Fig 23: Search In your nearby areas

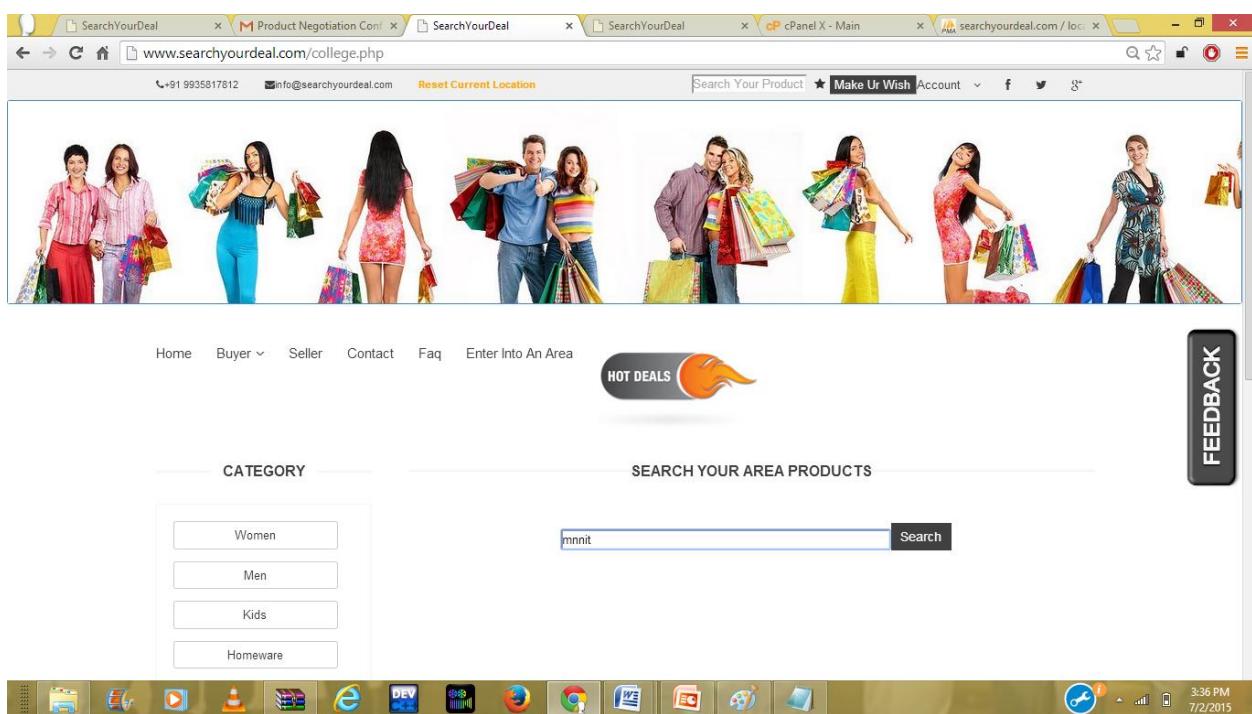


Fig 24: Enter the area name in the search

The screenshot shows a web browser window with multiple tabs open. The main content area displays a search interface titled "SEARCH YOUR AREA PRODUCTS". On the left, there is a sidebar titled "CATEGORY" with a list of product categories: Women, Men, Kids, Homeware, Electrical, Stationary, Sports, Musical Instruments, Vehicles, Area Products, and Suggest Category. To the right of the categories is a search bar with the placeholder "Enter Your Area Name" and a "Search" button. Below the search bar, three product items are listed:

- ProductName-bg**: Address: mnnit allahabad, Category: women, MRP: 300, SELLER NAME: saurabh. An image placeholder is shown.
- ProductName-watch**: Address: mnnit allahabad, Category: women, MRP: 100, SELLER NAME: saurabh. An image placeholder is shown.
- ProductName-3**: Address: mnnit allahabad, Category: women, MRP: 100, SELLER NAME: saurabh. An image placeholder is shown.

A vertical "FEEDBACK" button is located on the right side of the page. The bottom of the screen shows a taskbar with various icons and the system clock indicating 3:38 PM on 7/2/2015.

Fig 25: All the area products will be listed

The screenshot shows a web browser window with multiple tabs open. The main content area displays a "New Category Suggestion" form. At the top of the form, there is a "HOT DEALS" banner with a flame icon. Below the banner, the form has fields for "Category Name:" (containing "medical") and "Email Id:" (containing "saurabh09minicomp@gmail.com"). A "Submit" button is located at the bottom of the form. On the left, there is a sidebar titled "CATEGORY" with a list of product categories: Women, Men, Kids, Homeware, Electrical, Stationary, Sports, and Musical Instruments. The bottom of the screen shows a taskbar with various icons and the system clock indicating 3:39 PM on 7/2/2015.

Fig 26: Suggestions For New Categories

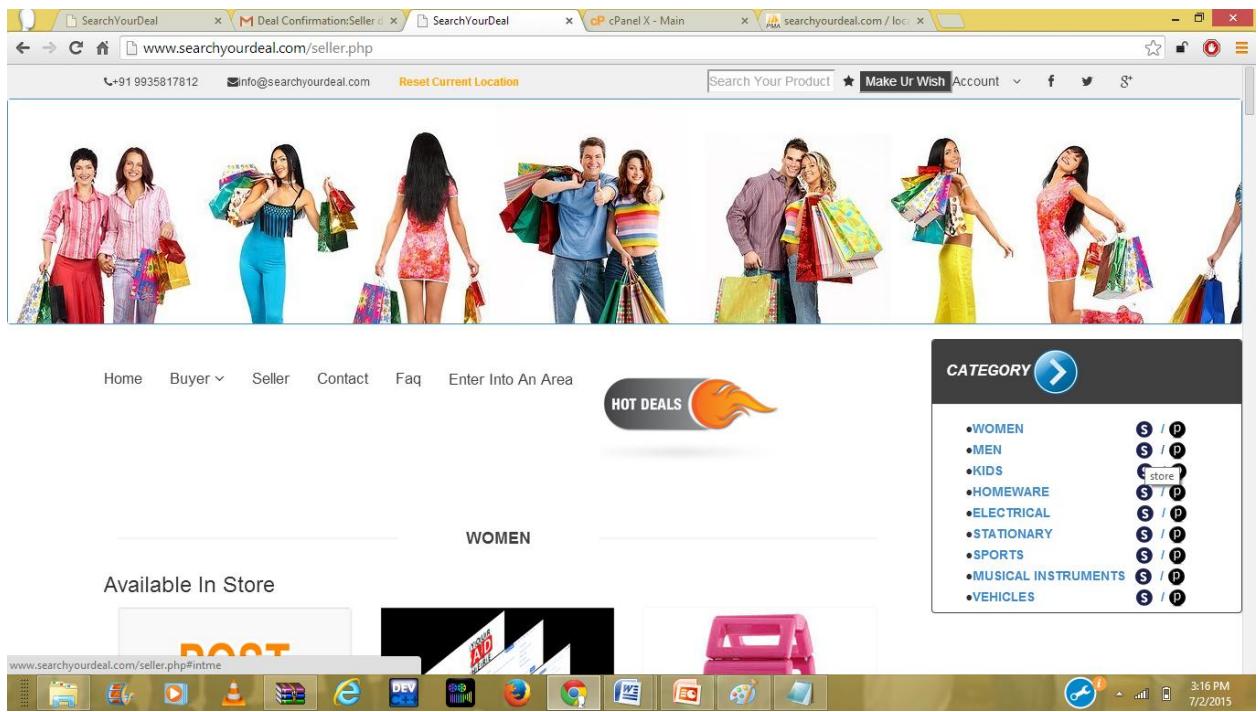


Fig 27: Seller can post product add on the basis of the products already available on the store

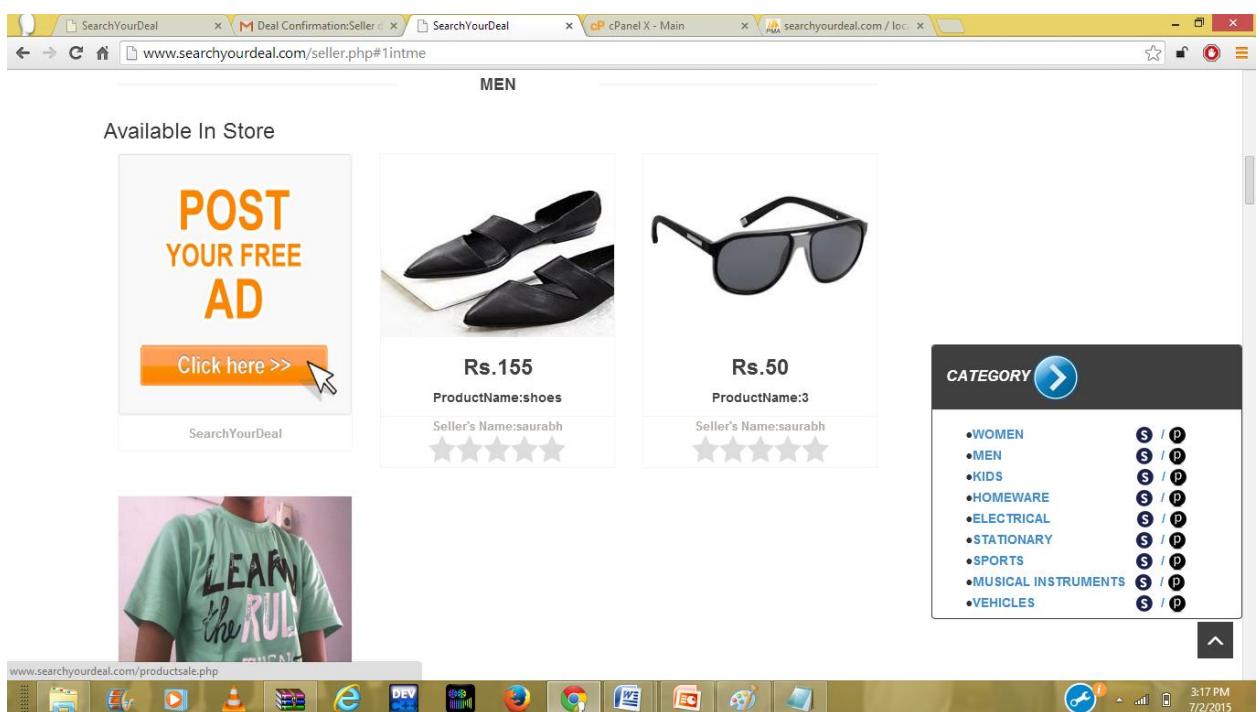


Fig 28: Click on “POST YOUR FREE AD “to proceed

The screenshot shows a web-based form for posting a product. On the left, there's a vertical list of categories: Women, Men, Kids, Homeware, Electrical, Stationary, Sports, Musical Instruments, Vehicles, Area Products, and Suggest Category. To the right, various input fields are displayed:

- Category:** men (dropdown menu)
- ProductName:** tie (text input)
- IMAGE1:** Choose File (button), download.jpg (file path)
- IMAGE2:** Choose File (button), No file chosen
- IMAGE3:** Choose File (button), No file chosen
- Price:** 200 (dropdown menu)
- Terms on Price:** Negotiable (dropdown menu)
- Company:** raymond (text input)
- Quantity:** 1 (dropdown menu)
- PRODUCT DESCRIPTION:** very attractive (text input)
- Seller's Emailid:** saurabh09minicomp@gmail.com (text input)
- Seller's Address:** mnmit allahabad .up.india (text input)
- Seller's Name:** saurabh (text input)
- Seller's Mobile NO.:** 9935817812 (text input)

A large "Submit" button is located at the bottom center. A "FEEDBACK" button is visible on the right side of the page.

Fig 29: Enter complete product details

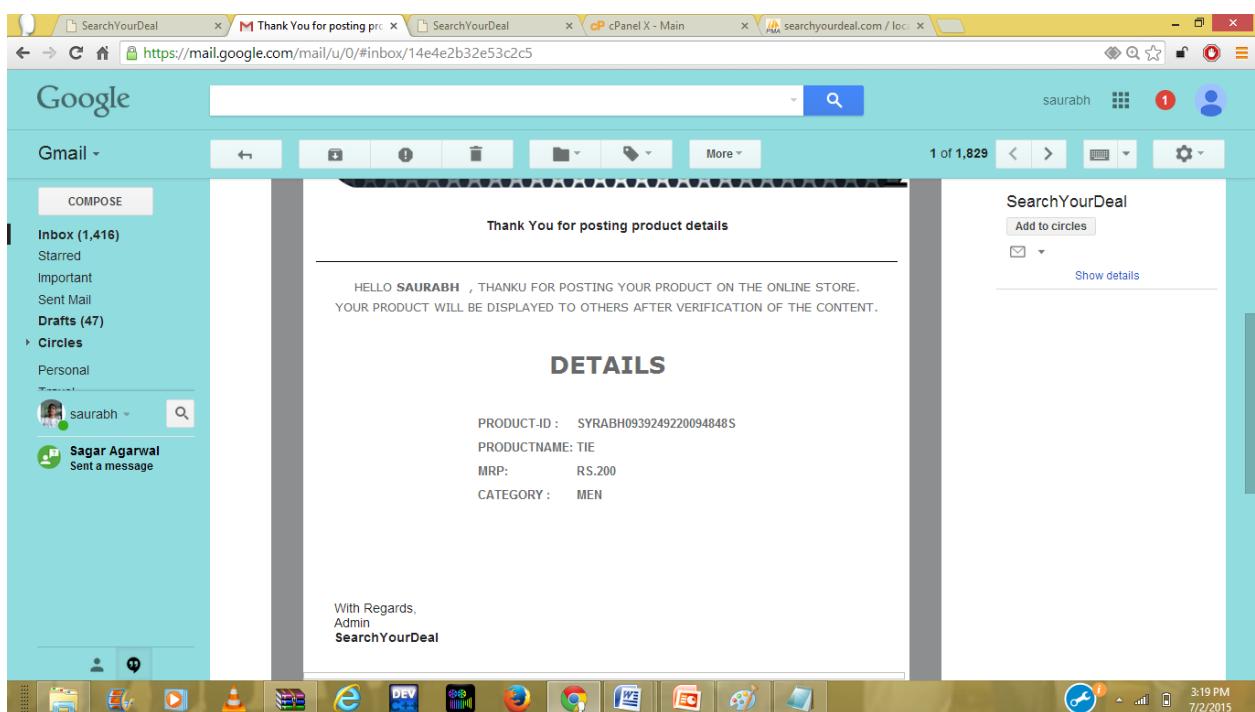


Fig 30: Product Posting details on seller's email

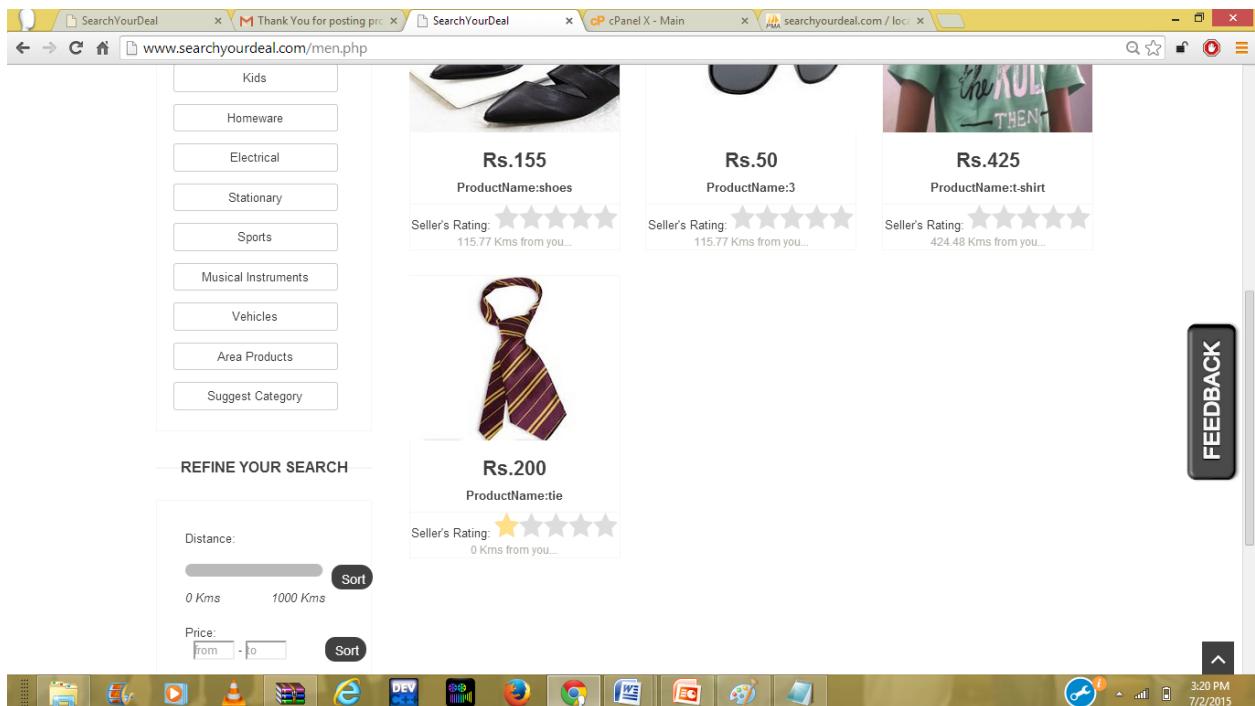


Fig 31: Product will be shown to all the users after verification by the admin

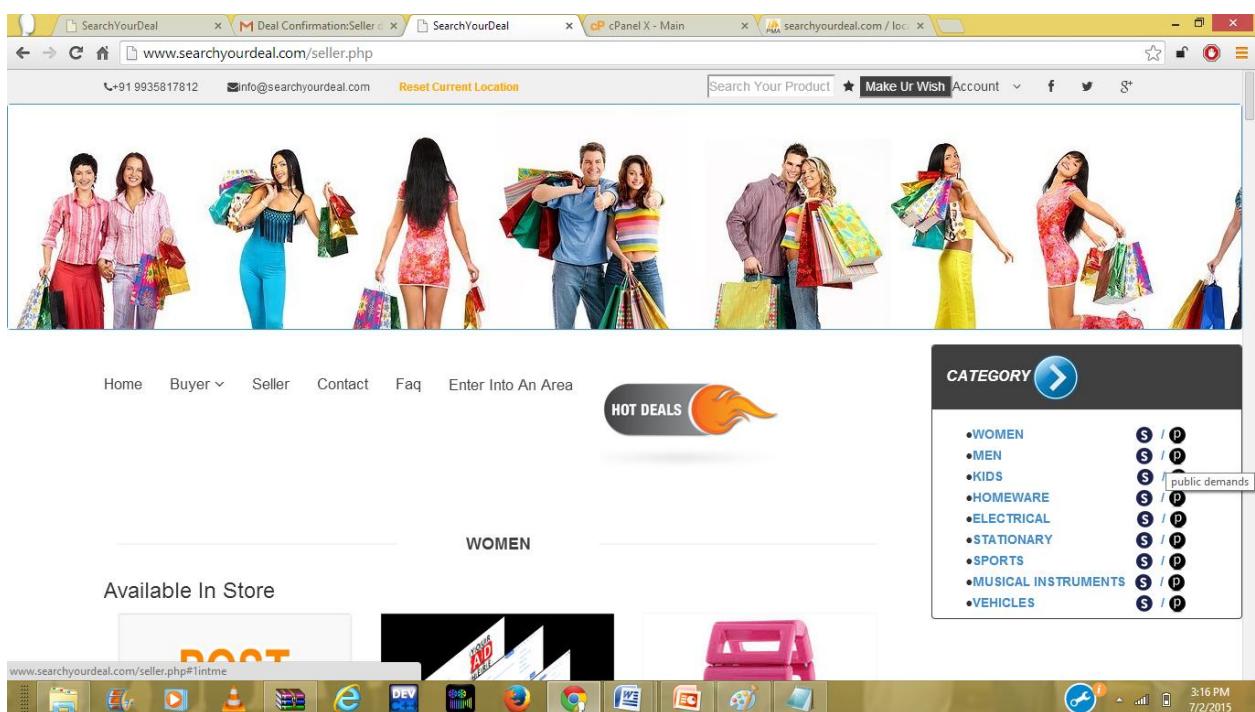


Fig 32: Seller can post product add on the basis of the Public Demands

The screenshot shows a search results page for products. Two products are listed:

- Rs.425** - ProductName:t-shirt, Seller's Name:saurabh, Rating: ★★★★☆
- Rs.200** - ProductName:tie, Seller's Name:saurabh, Rating: ★★★☆☆

Below the products, there is a section titled "Public Demands" which displays a placeholder image and some placeholder text. To the right, there is a sidebar with a "CATEGORY" heading and a list of categories with "S / P" status indicators.

Fig 33: Click on Fulfill wish to post product related to the buyer's wish

The screenshot shows a form for listing a new product. The left sidebar lists categories: vwomen, Men, Kids, Homeware, Electrical, Stationary, Sports, Musical Instruments, Vehicles, Area Products, and Suggest Category. The main form fields include:

- Category: men
- ProductName: jeans
- IMAGE1: ss.jpg (file upload field)
- IMAGE2: (Choose File) No file chosen
- IMAGE3: (Choose File) No file chosen
- Price: 821
- Terms on Price: Negotiable
- Company: LEWIS
- Quantity: 1
- PRODUCT DESCRIPTION: blue color jeans ,comfortable...
- Seller's Emailid: saurabh09minicomp@gmail.com
- Seller's Address: mnnt allahabad.up.india
- Seller's Name: saurabh
- Seller's Mobile NO.: 9935817812

A "Submit" button is at the bottom. A "FEEDBACK" button is visible on the right side of the page.

Fig 34: Enter complete product details

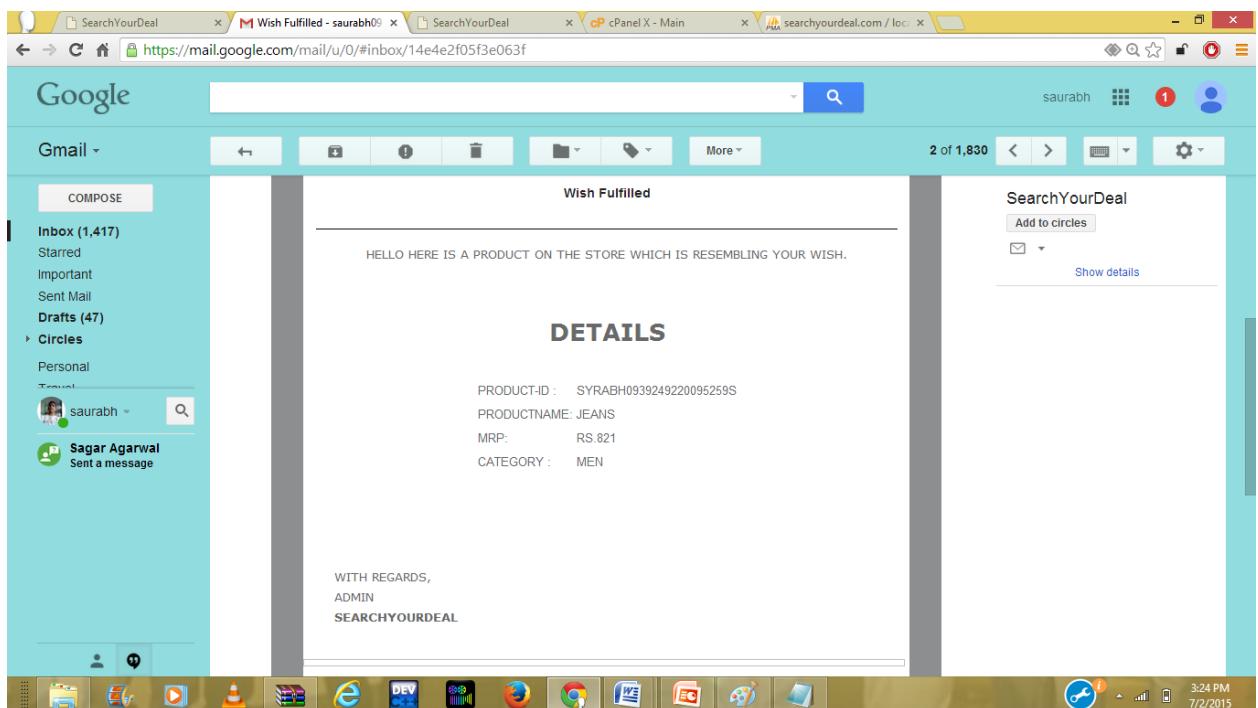


Fig 35: An email will be send to the buyer who has made the wish automatically

PRODUCT SOLD									
Product Id	Product Name	Category	Price	Update Price	Product(on store)	Quantity	Negotiations	SOLD???	
SYrabh0939249220095259s	jeans	men	821	<input type="button" value="Go"/>	7Days remaining	1	Check		
SYrabh0939249220094848s	tie	men	200	<input type="button" value="Go"/>	7Days remaining	1	Check		
SYrabh0921249220055243s	t-shirt	men	425	<input type="button" value="Go"/>	6Days remaining	1	Check		
SYrabh0921249220041752s	bg	women	300	<input type="button" value="Go"/>	1Days remaining	12	Check		
SYrabh0921249220042401s	3	men	50	<input type="button" value="Go"/>	1Days remaining	1	Check		
SYrabh0921249220042220s	watch	women	100	<input type="button" value="Go"/>	1Days remaining	1	Check		

Fig 36: Seller can check negotiation related to each product by clicking on (CHECK)

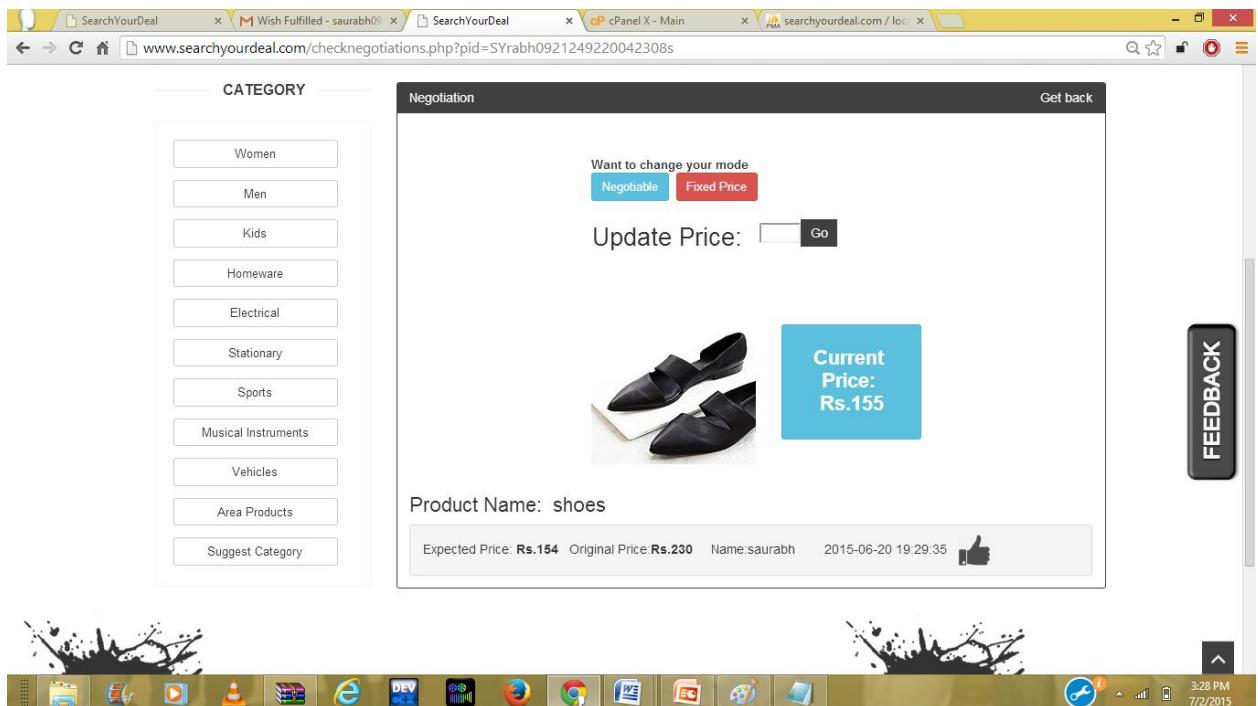


Fig 37: Seller can update price on the basis of buyer's Negotiations or can directly deal with a particular buyer by clicking on thumbs up icon

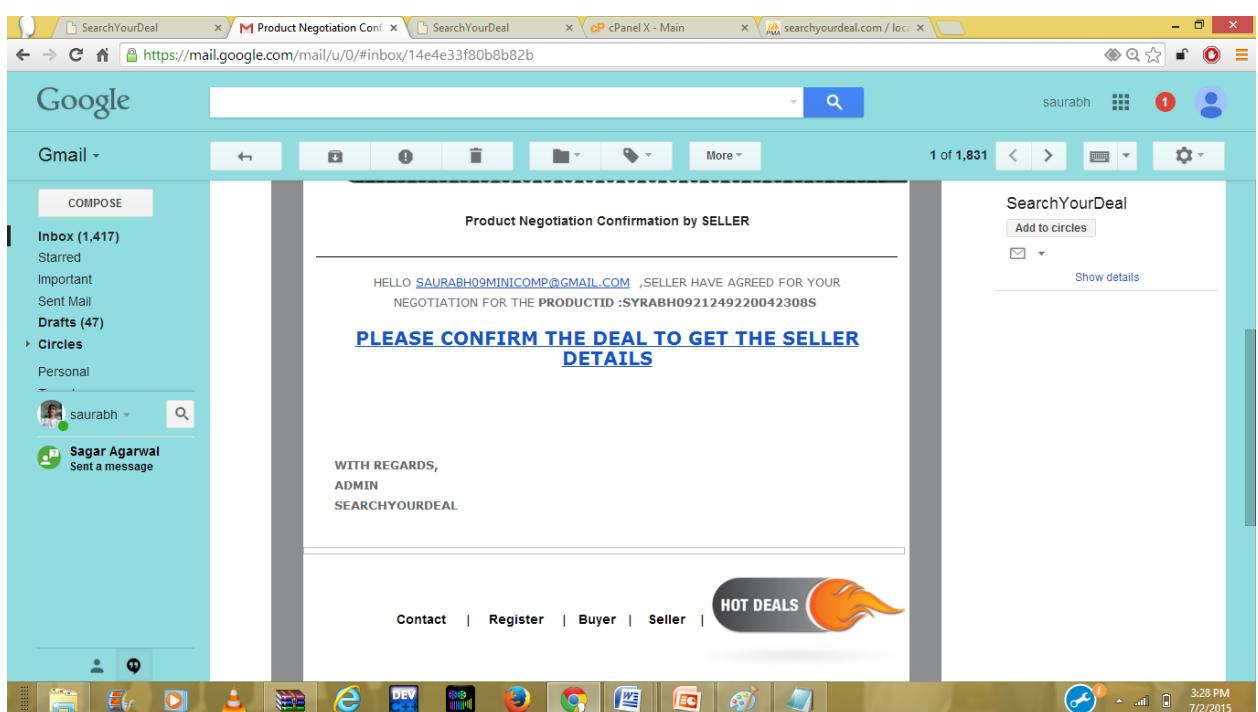


Fig 38: When Seller clicks on Thumbs Up icon ,an email will be send to the buyer

Product Id	Product Name	Category	Price	Update Price	Product(on store)	Quantity	Negotiations	SOLD???
SYrabh0921249220042308s	shoes	men	155	<input type="button" value="Go"/>	7Days remaining	1	Check	<input type="button" value="saurabh"/> Go
SYrabh0939249220095259s	jeans	men	821	<input type="button" value="Go"/>	7Days remaining	1	Check	
SYrabh0939249220094848s	tie	men	200	<input type="button" value="Go"/>	7Days remaining	1	Check	
SYrabh0921249220055243s	t-shirt	men	425	<input type="button" value="Go"/>	6Days remaining	1	Check	

Fig 39: Seller Must confirm about the product sold status

GET IN TOUCH

CONTACT INFO

SearchYourDeal
FlatNO. 401, G.P.S Tower, Sankat Mochan
Varanasi
Mobile: 9935817812
Email: info@searchyourdeal.com

SOCIAL NETWORKING

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Fig 40: buyer/seller can get in touch with the admin

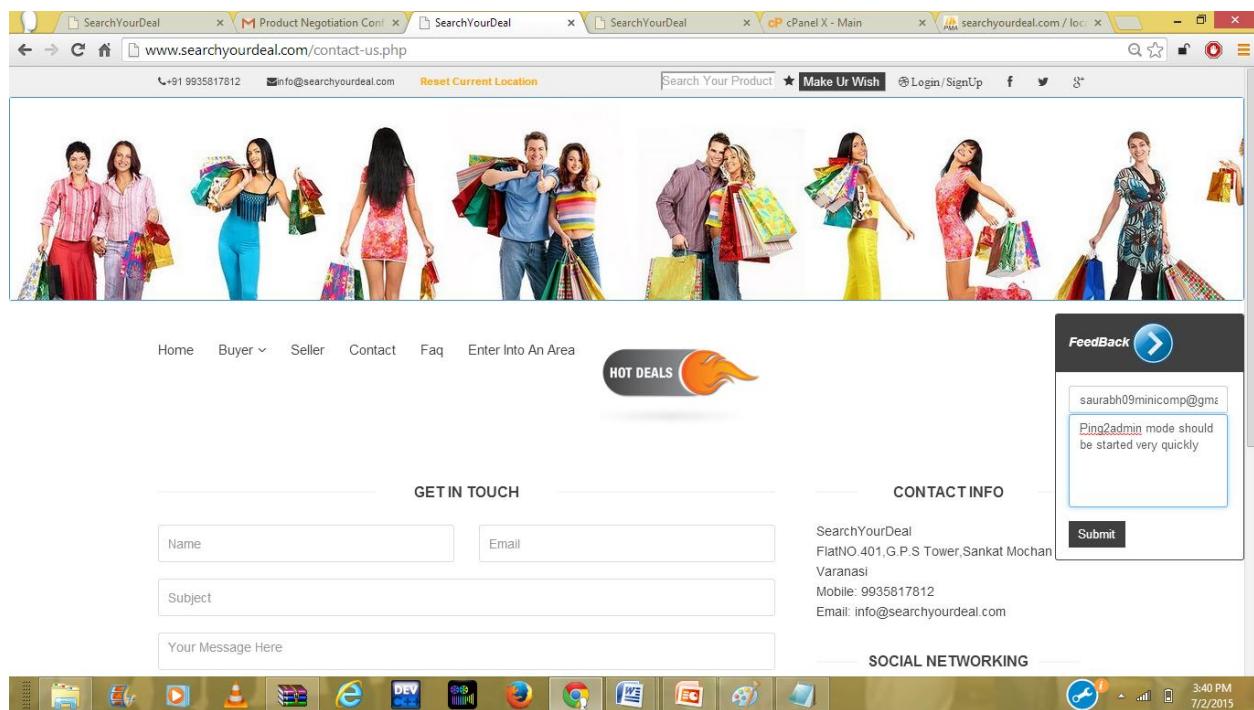


Fig 41: Buyer/Seller can give their feedback

6. Implementation and Maintenance

6.1 Implementation

- Frontend is created using HTML,javascript,jquery, and css.
- Web pages were designed using Adobe Dreamweaver CS6.
- Backend runs on pHP myadmin of Hostgator web space provider.
- Web pages are hosted on the domain “**searchyourdeal.com**” purchased from goDaddy.com .
 - Hostgator provides a web based control panel to upload and modify the WebPages.
- Web Server Used: Apache
- Web Browsers Used For Testing: Google Chrome and Mozilla Firefox

6.2 Maintenance

- If some modification is needed the Hostgator provides an easy web based interface to modify and upload the web content.
- A Renewal amount for the domain purchased needs to be paid to goDaddy.com annually
- Also an additional amount is to be paid to the web space provider Hostgator.com monthly
- Addition/modification of any web content related to design or functionality of the website is managed by me (Web Developer) and not the Hostgator(web space provider).

7. Conclusion:

SearchYourDeal.com is an alternative for many online shopping websites .This is the place where buyers and sellers can interact to each other in a way and help each other in fulfilling each other's needs and requirements. Facilities like “**Distance Meter Concept**”, “**Bargain System**” and “**Hot Deals**” keep on encouraging users to visit the site again and again.

This project was challenging, time-consuming, but above all a very interesting and an enjoyable experience. I've learned a lot by designing and implementing various techniques completely from scratch.

8. Future Scope and Enhancement:

I have included almost every feature in this system but some of these are still not present .The system is not apt for mobile browsers, hence the system can further be customized to run on mobile phones and tablets.

This website is not 100% responsive which is very much required, is one of the future enhancement of the project.

9. References

- IEEE Guide to Software Requirement Specification.
- <http://stackoverflow.com>
- <https://en.wikipedia.org/>