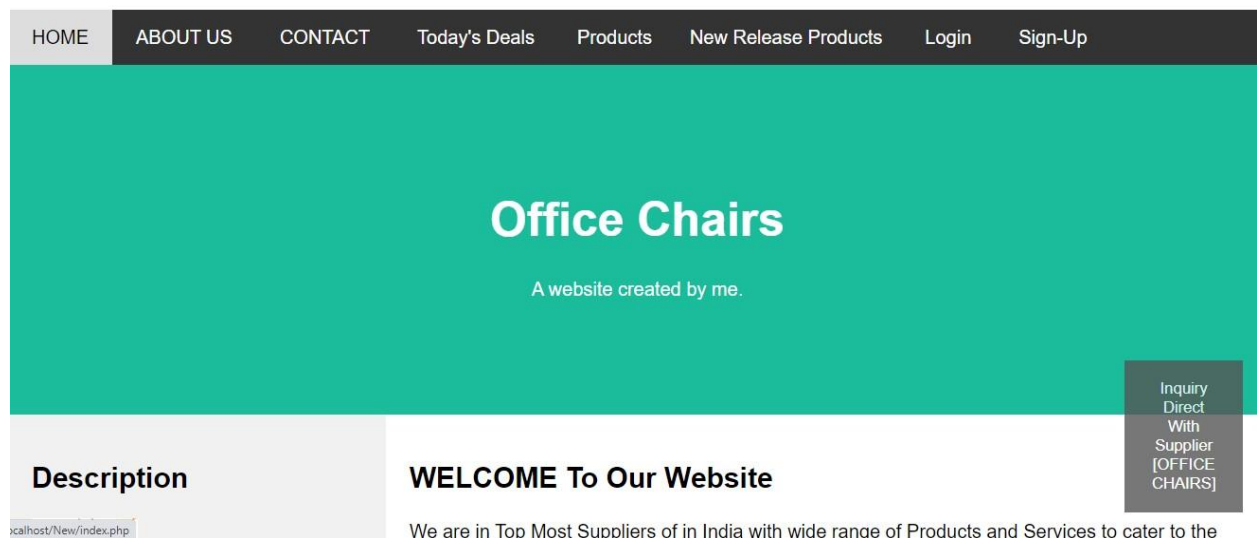


# E-COMMERCE CHAIR WEBSITE

2021



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## **Project Guide : Dr.Kalyani Salla**

### **Sample Index for the Project Report**

1. College Certificate
2. Problem Definition
3. Existing System
4. Need for Computerization
5. Scope of the Proposed System
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8. Platform (H/W, S/W) with version details
9. Analysis Specification (Object Oriented Approach)
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11. Data Dictionary , Flow diagram(Whichever is applicable)
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**NOTE:** Any 5 UML Diagrams (Use-case, Class Diagrams, Object Diagrams, Sequence Diagrams, Collaboration Diagram, Activity Diagram, State Transition Diagram, Component Diagram, Deployment Diagram)



Ergonomic Drafting  
Chair,  
Tall Desk Chair with



Home Office  
Adjustable Height



Seating Apollo  
Drafting Stool,  
Black



Desk Adjustable  
Stools with Backrest  
& Foot Rest

## PROBLEM DEFINITION

This project aims to develop an online shopping for customers with the goal, so that it is very easy to shop. In this Pandemic year no one can go outside for shopping, getting chairs for home, office, industries applications so with the help of this you can carry out an online shopping from your home. To get to this online shopping system all the customers will need to have an email and Password to login and proceed your shopping. The login credentials for an online shopping system are under high security and nobody will have the capacity to crack it easily.

Upon successful login the customers can purchase a wide range of things of Chairs. And of course you will get your requested ordered items at your doorstep. No need to go physical shops with this you will have more time to spend with your family. It just needs a computer and a payment making options like net banking, credit card, debit card or paypal. Maintaining the records is hectic work at admin side.

As the world responds to the coronavirus (COVID-19) pandemic, we're seeing a dramatic shift from in-person to online shopping. Consumers are relying on the digital

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world more than ever and businesses are forced to adapt their strategies and shift toward digital transformation with much more urgency than before.

The E-commerce Management System has various flaws in it as because of which most of the people don't use the system even though it has several advantages over traditional stores. The biggest problem is that it takes at least a day to deliver a product to the customer.

## EXISTING SYSTEM

Many customers go for purchasing offline so as to examine the product and hold the possession of the product just after the payment for the product. In this time it depends upon the consistent ability to deliver quality, value and satisfaction. Offline shopping has a sense of immediacy. You get to possess the item you've purchased the very moment.

If we can search and make a list of items that we would like to try while shopping, before actually going out. This way we can be more confident in our purchase and not miss out on anything. This can also help us to decide what areas to visit. And plan such an event with friends. The information of each member added and needed to be maintained at the admin side. Regularly manual filling of the information and products needs to be done.

## NEED FOR COMPUTERIZATION

It refers to a common computer, which provides information to other computers on the internet.

It is either the hardware (the computer) or the software (the computer programs) that stores the digital information (web content) and delivers it through the Internet whenever required.

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A Website is a collection of related web pages on a web server maintained by any individual or organization.

A website is hosted on a web server, accessible via internet or private LAN through an internet address called URL (Uniform Resource Locator). All publicly accessible websites collectively constitute the WWW (world wide web).

## SCOPE OF PROPOSED SYSTEM

To remove all the disadvantages of conventional methods, a system is proposed which is online shopping.

The purpose of online shopping is to save time, save money. Through online shopping one can save his valuable time. One can watch and select things he wants to buy. Through online shopping we can save our money because prices are less than market prices and we receive our bought things at our home. No need to go anywhere and do shopping. We can get different varieties of things online and we can choose which one we want.

This project allows viewing various products available enables registered users to purchase desired products instantly using PayPal payment processor (Instant Pay) and also can place orders by using Cash on Delivery (Pay Later) option. This project provides easy access to Administrators and Managers to view orders placed using Pay Later and Instant Pay options. In order to develop an e-commerce website, a number of Technologies must be studied and understood.

## OBJECTIVES OF PROPOSED SYSTEM

- **CONVENIENCE** : This is one of the main reasons that online shopping has become so popular, as it allows you to switch stores and products by clicking a button rather than traveling to a new store.
- **SELECTION** : Of course, a large selection means that your decision making process may be a bit more difficult, but it also makes it more likely that you will find a high quality product that truly pleases you.

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- **IMMEDIACY** : When you purchase a new product, it is always nice to have that product in your possession immediately.
  - **SAVING MONEY** : Another very important aspect of any shopping experience is trying to save as much money as possible.
  - **DISCOUNTS** : Yes online shopping is better than offline because we can shop at any of our favorite shops and can get the delivery on the same day itself.

## SOFTWARE REQUIREMENTS AND PLATFORM USED WITH IT'S VERSION:

- Xampp Server.
- Php 7.0 or higher.
- MySql 5.0 or higher.
- Chrome/Firefox Browser.
- Snip & Sketch

## Functional Components of the Project

### Admin side

- Login and Logout system
- Users details
- Admin can manage the product
- Only Admin can edit and update the record of ordered products.

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## User side

### Before Sign-Up

- Login Page
- Sign-Up Page
- About-Us Details
- Contact Directly to the owner.
- Review All home pages of the website.

### After Log-in

- Check Product availability
- Login Page
- Log-Out Page
- About-Us Details
- Contact Directly to the owner.
- New Release products
- View his/her shopping cart
- Shop/Order product
- Confirmation on order
- Payment

## ANALYSIS SPECIFICATION

As the goal of the application is ease of use and to provide an interactive interface, extensive research has been done to gain an insight into the needs and behaviors of various users. The working of the application is made convenient and easy to use for the end user.

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## **PURPOSE :**

Online shopping tries to enhance access to care and improve the continuity and efficiency of services. Depending on the specific setting and locally, case managers are responsible for a variety of tasks, ranging from linking clients to services to actually providing intensive shopping and delivery services themselves

## **SCOPE :**

This product has great future scope. Online shopping Internet software developed on and for the Windows and later versions environments and Linux OS. This project also provides security with the use of Login-id and Password, so that any unauthorized users can not use your account. The only Authorized that will have proper access authority can access the software.

## **FEASIBILITY STUDY :**

The objective of feasibility study is to determine whether or not the proposed system is feasible. The feasibility is determined in terms of four aspects. These are:-

**Technical Feasibility :** In this, one has to test whether the system can be developed using existing technology or not. It is evident that necessary hardware and software are available for development and implementation of proposed systems. We acquired the technical knowledge of working in languages, and then only we have started designing our project.

**Behavioral Feasibility :** The customers are using different types of peripherals devices. Our system is capable of providing a user friendly interface for all devices (Like laptops, mobile phones).

**Economical Feasibility :** As a part of this, the costs and benefits associated with the proposed system are compared and the project is economically feasible only if tangible and intangible benefits outweigh the cost. The cost for the proposed online shopping system is outweighing the cost and efforts involved in maintaining the registers, books, files and generation of various reports. The system also reduces the administrative and



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technical staff to do various jobs that single software can do. So, this system is economically feasible.

**Legal Feasibility :** Legal feasibility determines whether the proposed system conflicts with legal requirements, e.g. the Data Protection Act. It will be done by some legal advisors.

## OVERVIEW OF SYSTEM

The objective of this software is to provide easy assistance to both the customer as well as the merchant with proper databases and information. Online shopping is something that most of us take for granted these days. We enjoy the convenience and other benefits of shopping online. You can do shopping while in the comfort of your own home, without having to step out of the door. Sell at lower rate due to less overhead. No wait to see the products if someone else is taking that.

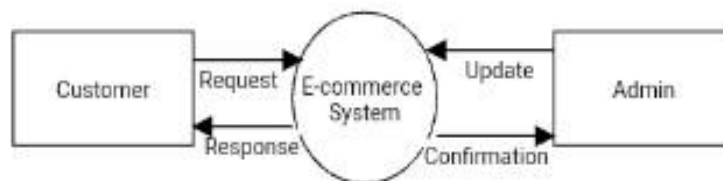
The software provides the following facilities to the Administrator , Customers , Designers , Payment Gateway , Product Delivery (Drop Shipping , In-store pick-up , Shipping) , Online Cart System.

## DESIGN SPECIFICATION

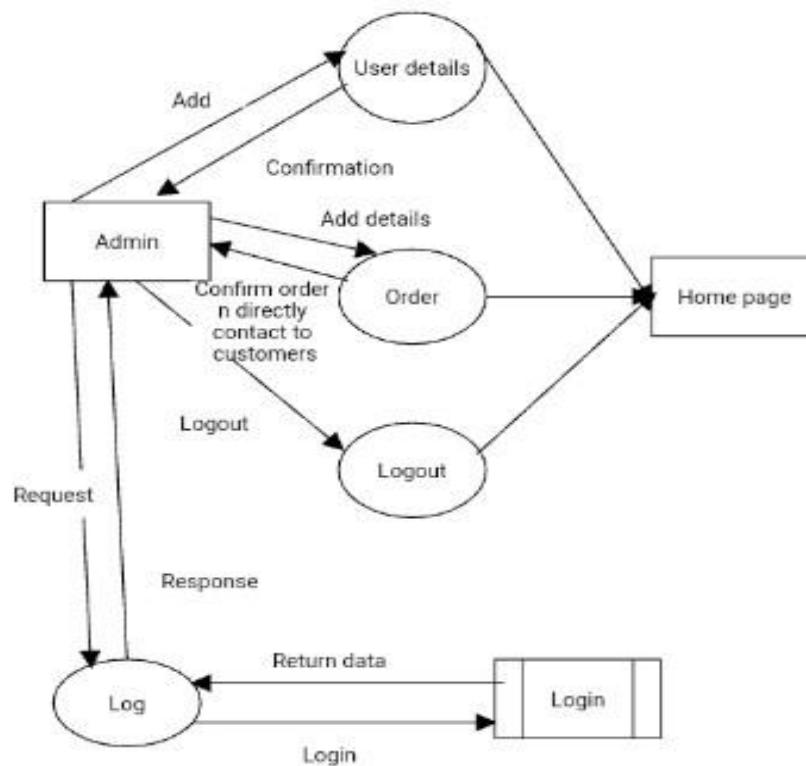
There are few constraints that the system should follow. They are: All the inputs should be checked for validation and messages should be given for the improper data. The invalid data are to be ignored and error messages should be given. Details provided by the vendor during his sign up should be stored in the database. While adding the products to the system, mandatory fields must be checked for validation whether the vendor has filled appropriate data in these mandatory fields. If not, a proper error message should be displayed or else the data is to be stored in a database for later retrieval. All mandatory fields should be filled by the customer, while buying the items from the cart.

# DATA FLOW DIAGRAMS

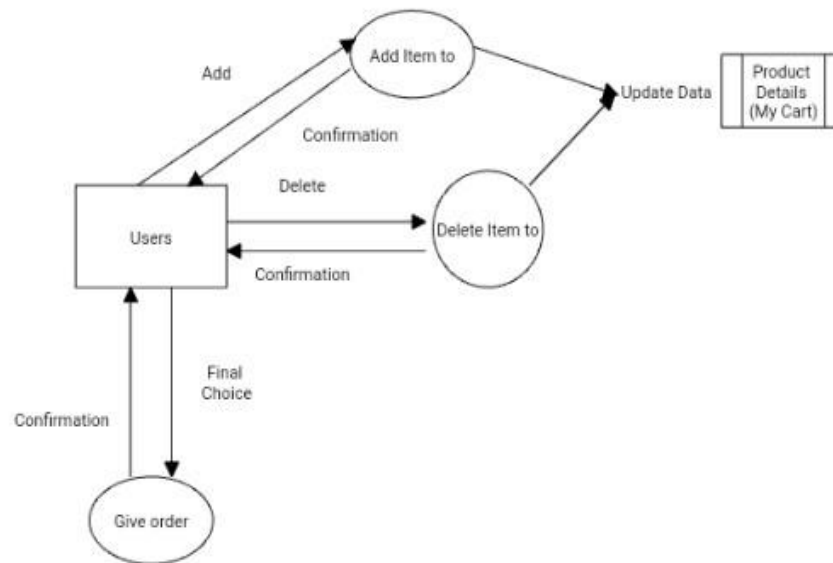
Context Diagram



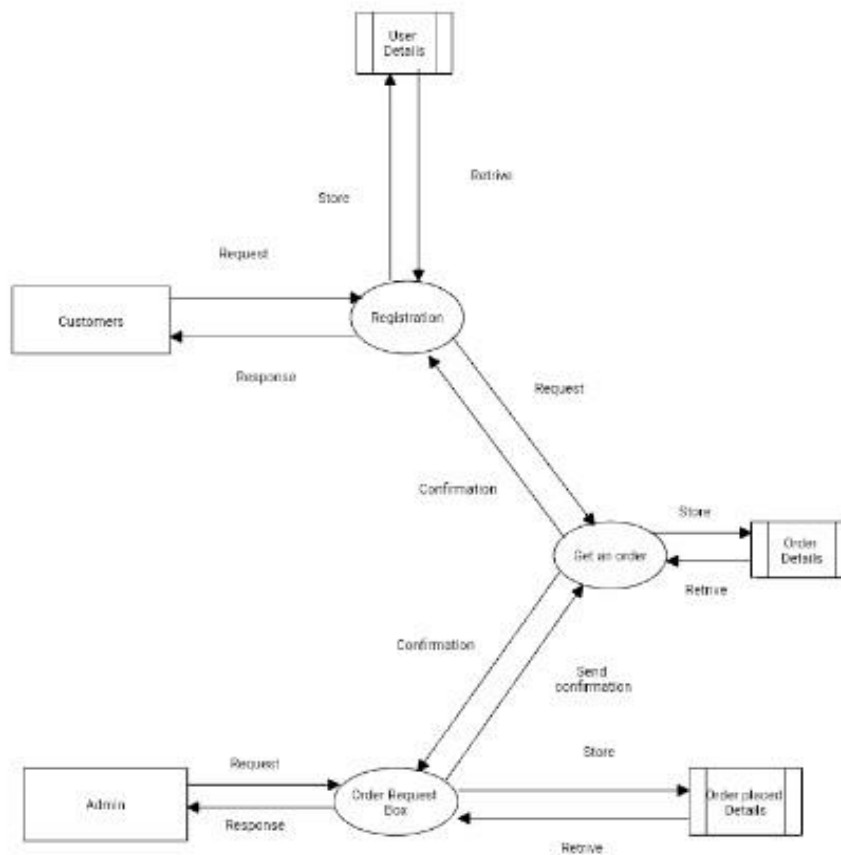
Level 1 (Admin)



## Level 1 (Customers)



## Level 2



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# IMPLEMENTATION STRATEGIES

Successful implementation of any ecommerce business is dependent on implementing or adopting these seven key steps:

Planning for eCommerce Business

Technology Selection/Website Audit & Analysis

Customer Acquisition

Customer Engagement

Customer Retention

Optimizing Key Metrics, and

Business Analysis & Customer Insights

**1. Strategic business planning and roadmaps** – Strategy is about making the right choices that will help reach the stated business objectives.

**2. website audit and analysis** – In order to provide the maximum benefit to the end customer, your chosen ecommerce technology should be fully capable of being customizable, and be able to complement the business model.

**3. Customer acquisition** – Online or popular digital marketing encompasses multiple tools for reaching out to the new generation of customers, who are actively engaged in using multiple devices, social media marketing, email campaigns, display advertisements using various ad networks, referral programs and retargeting campaigns.

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**4. Customer engagement** – Customers these days are actively seeking to engage with brands to understand the core benefits and unique value proposition that the brand offers, discount and offers during special seasons, a robust support mechanism for queries/clarifications regarding the products displayed and interaction with customer support executives to know more about policies on returns and exchange, etc.

**5. Customer retention** –With the advent of sophisticated e-commerce technologies, new age retailers will be able to leverage an almost one-to-one customer experience and that's the best a customer can really expect.

**6. Optimization based on key metrics** – Some of the key metrics to measure the health of an ecommerce venture are the total revenue generated, cost of customer acquisition, % of customers converted, and % of customers entering the website through various channels. Once these are defined and there are a substantial number of customers visiting the website, a deeper level of optimization is needed at 2 levels – on the technology and the business front.

**7. customer insights** – The final step in the entire process is about fine-tuning and understanding the product categories that have performed well compared to other products displayed in the webstore.

## INPUT/OUTPUT SCREENS



[FOR MORE DETAILS](#)

[FOR MORE DETAILS](#)

[FOR MORE DETAILS](#)

Inquiry  
Direct  
With  
Supplier  
[OFFICE  
CHAIRS]

**EXECUTIVE CHAIRS**

Serial No.	Item Name	Item Price	Quantity	
1	Seating Apollo Drafting Stool, Black	3750	<input type="text" value="1"/>	<button>REMOVE</button>
2	Home Mesh Office Adjustable Height	6800	<input type="text" value="1"/>	<button>REMOVE</button>
3	Ergonomic Petite and Small Chairs	9500	<input type="text" value="1"/>	<button>REMOVE</button>
4	Home Conference Office Adjustable Height	4000	<input type="text" value="1"/>	<button>REMOVE</button>

Total:  
24050

Full Name

Joyce J

Phone Number

919867453210

Address

Pune

ADMIN PANEL

DASHBOARD

USERS

LOGOUT

Order ID	Customer Name	Phone No	Address	Pay Mode	Orders		
1	Aishwarya kadam	912345678986	Pune-City	COD	Item Name	Price	Quantity
					Home Office Adjustable Height Leather Chair	7000	1
					Office Desk Executive Chair	3000	1
2	Joyce J	919867453210	Pune	COD	Item Name	Price	Quantity
					Seating Apollo Drafting Stool, Black	3750	1

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# TESTING STRATEGIES

The process of testing of an integrated hardware and software system to verify that the system meets its specified requirements. Verification: Confirmation by examination and provisions of objective evidence that specified requirements have been fulfilled. To test the system as a whole, requirements and expectations should be clear and the tester needs to understand real time usage of application too.

## INSTALLATION OF COMPUTING PLATFORM

Install proposed system to run the project. In this system windows platform is required. So first of all install windows 98/2000/XP/8/10 operating system.

## TECHNOLOGY TESTING

Install sufficient hardware such as monitor, printer, keyboard etc. on site.

## PROGRAM TESTING

After the modules were tested & integrated with software packages both valid & invalid test transactions were run to test the software system.

## INPUT TESTING

Users will be tested to determine if they are completing the forms correctly, accuracy & speed of data entry personnel will be evaluated and the efficiency of screen input layout will be evaluated.

## OUTPUT TESTING

View & enquiry screen will be tested for accuracy based on live data entered during the training sessions.

## DATABASE TESTING

After live data is entered, data files are tested for completeness by comparing batch control total to produce from the database. Other database tests are performed during development.

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## RECOVERABILITY TESTING

To make sure how well the system recovers from various input errors and other failure situations.

## FUNCTIONALITY TESTING

To make sure that functionality of product are working as per the requirements defined, within the capabilities of the system,

## INTEROPERABILITY TESTING

To make sure whether the system can operate well with third party products or not.

## RELIABILITY TESTING

To make sure system can be operated for a longer duration without developing failures.

## SECURITY TESTING

To make sure that system does not allow unauthorized access to data and resources.

-- Following of some Test Cases are made during entire level of testing --

## AUTHENTICATION TESTING :

Verification of permitted users is done by entering the valid & authorized.

## QUERY TESTING :

Testing for various queries generated in the application were tested whether query request for local database returns the correct dataset for the corresponding query as well as queries for updating (edit), save the data properly in the database.

## VALIDATION TEST :

Here it was tested that, if correct or incorrect entries by the user are accepted & the processed data outputs the expected results.



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# LIMITATIONS AND DRAWBACKS

- Time Consuming and Shipping Rates
- Refunds/Returns Disputes , Lack of options.
- Cash-Back offers not present , Bad customer service
- Also there are expenses for traveling from house to shop. More over the shop from where we would like to buy something may not be open 24\*7. In order to overcome these, we have e-commerce solutions, i.e. one place where we can get all required goods/products online.
- But in this system , Creating API is a time consuming process. Can crash When testing. Hacker's primary target to information.

## CONCLUSION

Online shopping is the process of buying goods and services from merchants who sell on the Internet and people can purchase just about anything from companies that provide their products online. Online shopping is a form of Electronic Commerce .

E-commerce or Electronic commerce, is a subset of E-Business (a company that does all or most of its transactions through the Internet), is the purchasing, selling, and exchanging of goods and services over computer networks (such as the Internet) through which transactions or terms of sale are performed electronically.

Increase in sales. Increase in customers. Ability to be open 24/7. Instant processing of transactions. Increased business reach. Use electronic payment refers to paperless monetary transactions. Save Time Save Fuel Save Energy.

These business transactions occur either as business-to-business (B2B), business-to-consumer (B2C), consumer-to-consumer (C2C) or consumer-to-business (C2B). The terms e-commerce and e-business are often used interchangeably. The term E- Tail (electronic retailing) is also sometimes used in reference to transactional processes for E-Shopping or Online Shopping.

Comparison of Prices 24/7 Availability , Hate Waiting in Lines, Too Ashamed to Buy. Customer can buy from anywhere , The system is user friendly , Easy to maintain.

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Say 'goodbye' to the days when you stood in line waiting, and waiting, and waiting some more for a store clerk to finally check out your items. online shopping has friendly customer service representatives available 24 hours a day, 7 days a week to assist you with locating, purchasing and shipping your merchandise.

## FUTURE ENHANCEMENTS

In the foreseeable future, e-commerce will be confirmed as the major tool of sale for the goods and services. Successful e-commerce will become the notion which will be inseparable from the web because e-shopping is becoming more and more popular and natural. Thus, prevailing to future trends, e-commerce will have huge potential growth in sales and promotion.

Each year, there is a continuous growth in e-commerce deals. In our website system, our developers are equipped with the skills necessary to create a custom look and feel to your website, understand all of the ins and outs to make it run smoothly, including custom extension development, API integrations, server optimization, and data management; which allow for unlimited possibilities for your business!

## WELCOME TO ADMIN PORTAL



OFFICE CHAIRS

DASHBOARD

USERS

ORDERS PLACED

LOGOUT

## WELCOME TO ADMIN PORTAL



OFFICE CHAIRS

DASHBOARD

USERS

ORDERS PLACED

LOGOUT

First Name	Last Name	E-mail	Password	Location	Birthday
Jenise	j	jenisejoseph96@gmail.com	12345	pune	2021-03-25
j	jj	abc@gmail.com	12345	pune	2021-04-03
Jen	jj	abc@gmail.com	123	pune	2021-05-28
Jen	jjjjj	abcde@gmail.com	12345	pune	2021-06-05

## DATABASE DESIGN (TABLE)

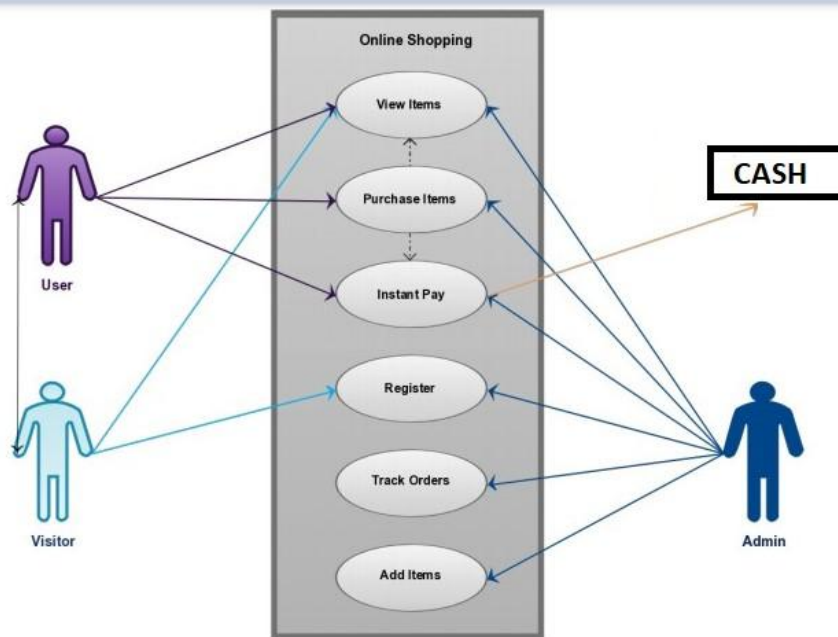
### USERS DETAILS

Name	Type
user_id	int(30)
firstname	varchar(250)
lastname	varchar(250)
email	varchar(250)
password	varchar(200)
location	text
birthday	date

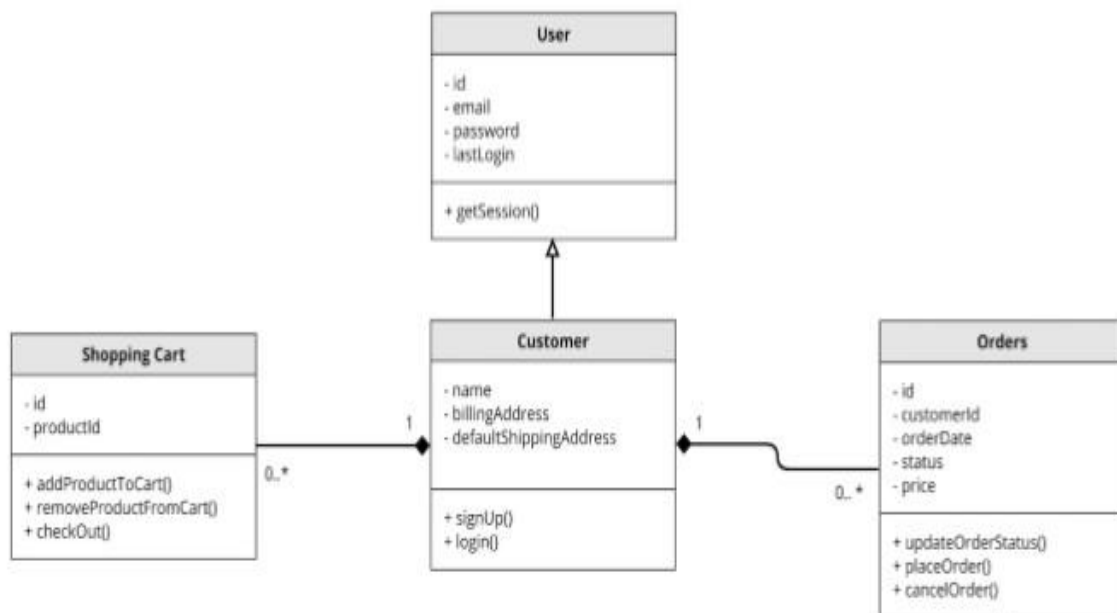
### ADMIN DETAILS

Name	Type
id	int(11)
name	varchar(50)
email	varchar(100)
password	varchar(255)

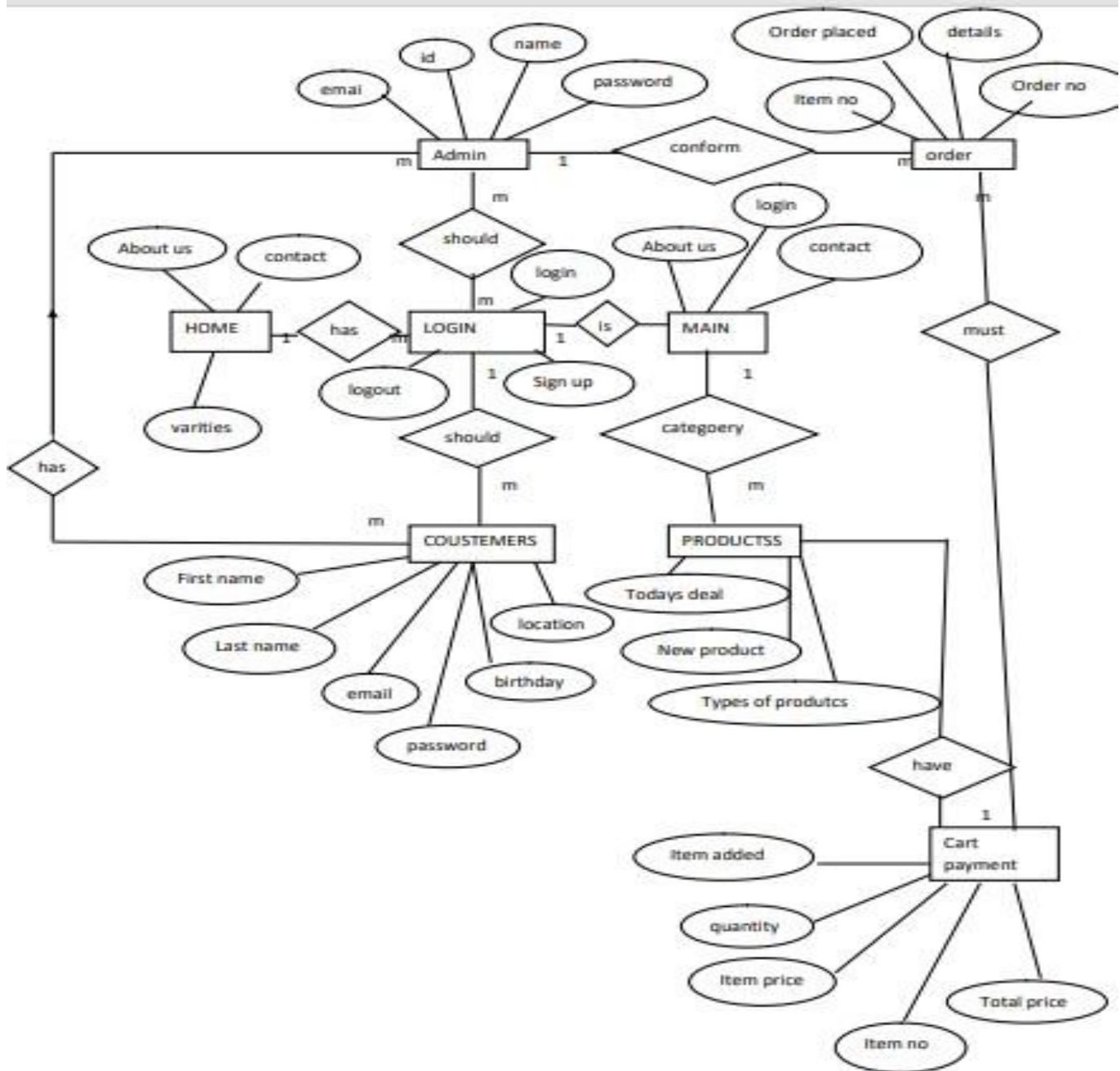
## USE-CASE



## CLASS DIAGRAM



## Entity-Relationship Diagram



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<http://www.google.com>

[https://www.slideshare.net/Kkushum/online-shopping-system-69945887?from\\_action=save](https://www.slideshare.net/Kkushum/online-shopping-system-69945887?from_action=save)

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## **BOOK :**

**Internet Programming - I**

**Internet Programming - II**

**The Complete Reference HTML.**

**Beginning JavaScript 2nd Edition, by Wilton The Complete Reference SQL**

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**THANK**

**YOU !!!**

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