

Wipro Capstone Project

Shop For Home

C21 IP Group(G1) B

E-CoMM



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Summary

Establishing a post lockdown online business plan should be your current move, to help your company reap the benefits of this pandemic. Today, browsing and shopping online are more comfortable than ever, where consumers stay at home and shop from their phones. In this scenario, investing in an online business store can be your winning factor, Not only will customers prefer your services, but you will discover more clients, work on social media collaborations, and grow your reach manifold! With better business loan eligibility available today, you can quickly avail a loan to start your store. During the pandemic, there is a considerable scarcity of products, but that hasn't jogged down the consumer's necessity. This is where online businesses are winning, as people tend to order specific items online, that they cannot find in physical stores. Besides, with the business loan interest rate being quite affordable currently, numerous individuals are availing loans to start their online businesses and cater to the needs of customers safely.

Due to Covid 19 social distancing is a norm. Hence taking business online is a good option to increase our reach and get us maximum growth. E-CoMM is such a web application that has home décor products for sale. We can easily get Furniture, Paintings, Artworks and Idols on this platform. Using this application customer can easily get various home décor products directly through the app and with discounts if user has available coupons.

Introduction

Two thousand years ago, Roman roads brought trade and commerce to Europe in an unprecedented manner. A thousand years ago, the spice routes linked the cultures of East and West. At the dawn of the second millennium, the Internet, the world's largest computer network, the network of networks, is making fundamental changes to the lives of everyone on the planet-changing forever the way business is conducted. Internet has become an important medium for doing global business based on the state of the art technology. Global business was conducted in a new way: electronically, using networks and the Internet. The availability of Internet has led to the development of E- Commerce (Electronic commerce), in which business transactions take place via telecommunication networks. E-Commerce has two major aspects: economical and technological. The stress of this course will show you how to get started in the complex and exciting world of Electronic Commerce. New standards and new facilities are constantly emerging and their proper understanding is essential for the success of an operation and especially for those who are assigned a duty to select, establish, and maintain the necessary infrastructure.

History Of E-Commerce

The history of E-commerce is a history of how Information Technology has transformed business processes. Some authors will track back the history of E-commerce to the invention of the telephone at the end of last century. The Internet was conceived in 1969, when the Advanced Research Projects Agency (a Department of Defence organization) funded research of computer networking. The Internet could end up like EDI (Electronic Data Interchange) without the emergence of the World Wide Web in 1990s. EDI (Electronic Data Interchange) is widely viewed as the beginning of E-commerce if we consider E-Commerce as the networking of business communities and digitalization of business information. EDI, which expanded from financial transactions to other transaction processing and enlarged the participating companies from financial institutions to manufacturers, retailers, services, and so on. Many other applications followed, ranging from stock trading to travel reservation systems. Such systems were described as telecommunication applications and their strategic value was widely recognized. With the commercialization of the Internet in the early 1990s and its rapid growth to millions of potential customers, the term electronic commerce was coined, and EC applications expanded rapidly. One reason for the rapid expansion of the technology was the development of networks, protocols, software, and specifications. The other reason was the increase in competition and other business pressures. From 1995 to 1999 we have witnessed many innovative applications ranging from advertisement to auctions and virtual reality experiences. Almost every medium- and large-sized organization in the United States already has a Web site many are very extensive; for example, in 1999 General Motors Corporation offered 18,000 pages of information that included 98,000 links to its products, services, and dealers.

What is E-Commerce ?

Such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange (EDI), inventory management systems, and automated data collection systems. Modern electronic commerce typically uses the World Electronic commerce, commonly known as E-commerce or E-Shop, is trading in products or services using computer networks, such as the Internet. Electronic commerce draws on technologies Wide Web for at least one part of the transaction's life cycle, although it many also use other technologies such as e-mail. Many retails shop are shift on E-Commerce because e-commerce is fastly grow in the world. E-commerce businesses many employ some or all of the following:

- Online shopping web sites for retail sales direct to consumers.
- Providing or participation in online marketplaces, which process third-party business-to-consumers or consumers-to-consumers sales.
- Business-to-business buying and selling.
- Gathering and using demographic data through web contacts and social media.
- Business-to-business electronic data interchange.
- Marketing to prospective and established customers by e-mail or fax (for example, with newsletters).

Engaging in retail for launching new products and services.

DEFINATION OF E-COMMERCE

E-Commerce supports an entire range of activities such as product design, manufacturing, advertising, commercial transactions, settlements of accounts using a variety of computer networks. Thus , E-Commerce refers to the paperless exchange of business information using electronic data interchange , electronic mail, electronic fund transfer & other networked based technologies. In a holistic sense electronic commerce can be summarized as: It is a business strategy. It uses technology to achieve business goals. It improves external business relationships. It is an evolution in the way companies' internal. It provides information to facilitate delivery of goods & Services.

THE ELEMENTS OF E-COMMERCE

In case of an E-Commerce, all the above listed elements are available but they are having slight variation in the real life situation.

1) A Product or service: In case of E-Commerce, it is virtual product shown on a web site. One can demonstrate multimedia presentation of the product & its entire feature on the web page itself, which may not be possible in case of physical products of commerce activity.

2) A Place to sell the products: In the E-Commerce case, a website displays the products in all ways & act as a place for E-Commerce.

3) A way to get customers to visit your website: In case of E-Commerce search engines and linkages with other web sites play an important role in helping the customers to reach web sites of the E-organizations.

4) A way to accept returns: The orders are accepted on the web site itself. On the web pages of the E-commerce companies shopping carts are beings provided. One can click on the icon and fill in the shopping card to order items to be purchased and it is accepted by the E-Commerce company as order from customer.

5) A way to accept money: In case of traditional commerce, buyers and sellers are in direct contact with each other. The payments in E-Commerce are made using Electronic fund Transfer in various form using credit cards, smart cards, e-checks etc. the information of payment is routed through Value added Networks (VANs) and Payment Gateway Systems etc.

6) A way to accept returns: As is the case of commerce, in case of E- Commerce all the trading companies have the system of accepting the returns if the goods and services are not to the satisfaction of the customer or not up to the standards/

specifications mentioned in the product catalog or brochures hosted on the web pages.

REQUIREMENT ANALYSIS

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 behaviours of various users. The working of the application is made convenient and easy to use for the end user. In online web based shopping systems there are two party who interact with the system, one of them are customer who wants to buy product and other the system admin manage the system. A good web based online shopping system should present the following factors to the customers for better usability.

- Knowing when an item have to save not save in the shopping cart.
- Returning the different parts of the site after adding an item to the shopping cart.
- Easy scanning and selecting items in the list.
- Effective categorical organization of the products.
- Simple navigation from home page to information and order links for specific products.
- Obvious shopping links or buttons.
- Consistent layout of product information.

DATA REQUIREMENT

- A customer can view the product properly but to buy he has to add the product in shopping cart, for this he has to register or have to login if he is an existing user.
- To launch the system, admin have to select the category of product, company or manufacturer of product will remain in the system for customer view and he can select those from his panel .
- From user part or customer part when a customer order from his part can manage the order of the product.
- Admin can add manufacturer of product, view manufacturer, delete manufacturer, update manufacturer and its status those are not available in shop as unpublished.
- Admin can add product, view product, delete product, update product and its status those are not available in shop as unpublished.
- Admin can add category of product, delete, view, update product and its status those are not available in shop or stop to sell or not to show to customer.
- Another important factor in the design of the software that the feedback. The interactive cycle between a use and website in not complete until the responds to a command by the user.

PROCESS REQUIREMENT

To perform any systems have some specific authentication functionality. The following process requirements are identified for the better performance of the system:

- A valid admin user is needed to access the information of the system for the admin.
- A valid customer ID is need to the customer to buy the product.
- Admin login to the system can view, edit, delete and update category, manufacturer and product related information. Also he can update the order information.

User Requirements

- As a user I should be able to login, Logout and Register into the application.
- As a user I should be able to see the products in different categories.
- As a user I should be able to sort the products.
- As a user I should be able to add the products into the shopping cart.
- As a user I should be able to increase or decrease the quantity added in the cart.
- As a user I should be able to add “n” number of products in the cart.
- As a user I should be able to get the Wishlist option where I can add those products which I want but don't want to order now
- As a user I should get different discount

Admin Requirements

- As an Admin I should be able to login, Logout and Register into the application. 2.
- As an Admin I should be able to perform CRUD on Users. 3.
- As an Admin I should be able to Perform CRUD on the products. 4.
- As an Admin I should be able to get bulk upload option to upload a csv for products details
- As an Admin I should be able to get the stocks.
- As an Admin I should be able to mail if any stock is less than 10.
- As an Admin I should be able to get the sales report of a specific duration.
- As an Admin I should be able to set the discount coupons for the specific set of users

TECHNOLOGIES USED

- HTML
- CSS
- JAVASCRIPT
- ANGULAR
- SPRINGBOOT
- MYSQL

ARCHITECTURE

Model View Controller or MVC as it is popularly called, is a software design pattern for developing web applications. A Model View Controller pattern is made up of the following three parts –

- **Model** – The lowest level of the pattern which is responsible for maintaining data.
- **View** – This is responsible for displaying all or a portion of the data to the user.
- **Controller** – Software Code that controls the interactions between the Model and View.

MVC is popular as it isolates the application logic from the user interface layer and supports separation of concerns. Here the Controller receives all requests for the application and then works with the Model to prepare any data needed by the View. The View then uses the data prepared by the Controller to generate a final presentable response. The MVC abstraction can be graphically represented as follows.

The Model

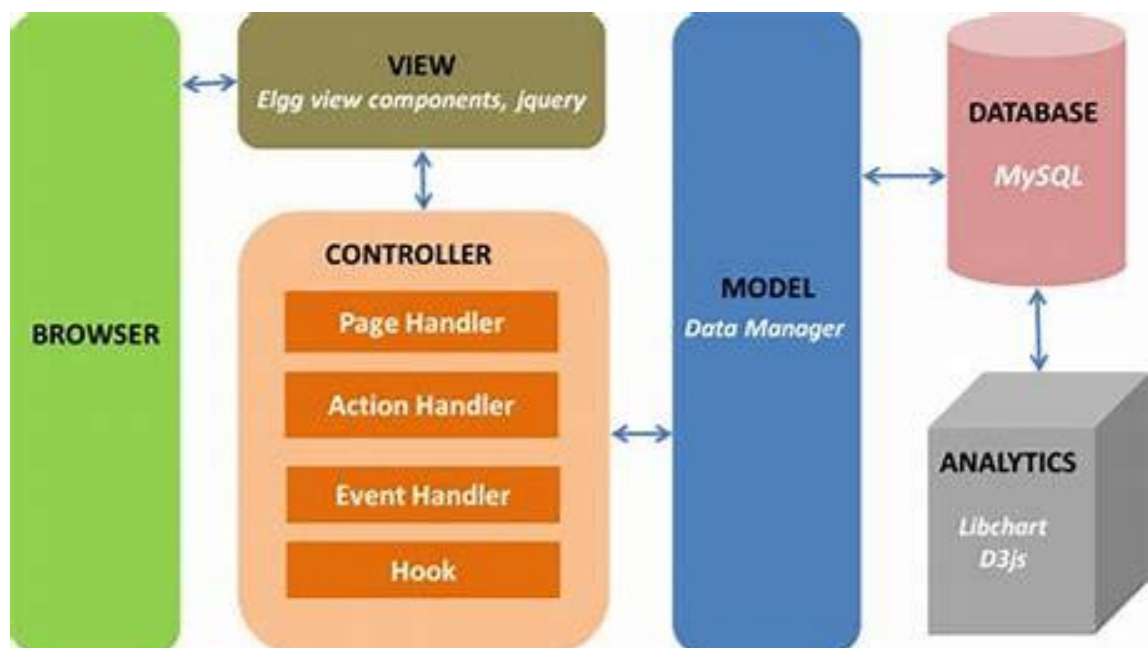
The model is responsible for managing the data of the application. It responds to the request from the view and it also responds to instructions from the controller to update itself.

The View

It means presentation of data in a particular format, triggered by a controller's decision to present the data. They are script-based templating systems like JSP, ASP, PHP and very easy to integrate with AJAX technology.

The Controller

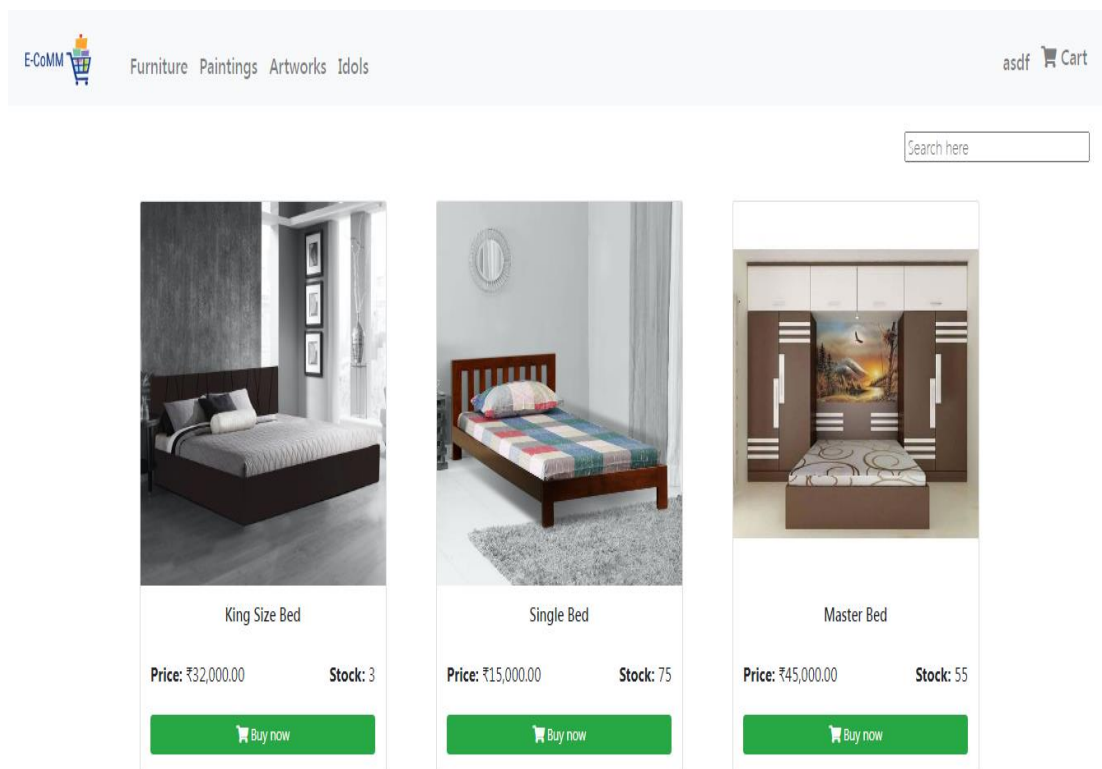
The controller is responsible for responding to the user input and perform interactions on the data model objects. The controller receives the input, it validates the input and then performs the business operation that modifies the state of the data model.



DESIGN SPECIFICATION

HOME PAGE

A home page is a webpage that serves as the starting point of website. It is the default webpage that loads when visit a web. The home page is located in the root directory of a website. Most web server allow the home page to have one of several different filenames. Since the home page file is loaded automatically from the root directory, the home page URL does not need to include the filename. There is no standard home page layout, but most home pages include a navigation bar that provides links to different sections within the website. Other common elements found on a home page include a search bar, information about the website, and recent news or updates. Some websites include information that changes every day.



CUSTOMER LOGIN AND REGISTRATION PAGE

Customer have to login before adding product in cart. In this page existing customer can login to buy product and new user can create an account for buying the product. Figure of user login and registration page given below:

Log In

Email

asdf@gmail.com

Password


☐ Save Register

Login

ADD TO CART PAGE

To buy a product the customer have to add product to cart. Also customer can view the product details, as well as large view by putting the cursor over the product image. The figure of adding product to cart given below:

Product Detail



King Size Bed

Auspicious Home offers furniture at affordable prices with the best quality and durability with modern designs.

Price: ₹32,000.00

Stock Available: 3


Quantity:

Total: ₹32,000.00


[Add to Cart](#)

CART PRODUCT BEFORE CHECK OUT


The customer can view the product, update number of product, delete product from cart and send request to check out and given figure below:


E-CoMM

Furniture Paintings Artworks Idols

asdf  Cart

Cart

Photo	Name	Price	Quantity	Total	Status
	King Size Bed	₹32,000.00	<div>-1+</div>	₹32,000.00	Remove

FIRST200 

Total Amount: ₹25,600.00 [Checkout](#)

ADMIN LOGIN PAGE

Admin part is so important part of the system and he takes care of all the parts of the shopping system. When the system developed an admin user created and using admin user email id and password he can login to the system figure given below:

Log In

Email

jayeshpalande5356@gmail.com

Password

☐ Save[Register](#)[Login](#)

ADMIN HOME PAGE

Admin will get different menu in his panel after login with valid user id and password. The menu admin will get are Category, under category will get submenu Add Category, Manage Category and Archive Category. He will also get Manufacturer menu, under Manufacturer menu will get submenu Add Manufacturer, Manage Manufacturer. He will get Add product, Manage Product and Archive Product submenu under product menu. The customer request for product will show on Manager Order menu



King Size Bed

Price: ₹32,000.00

Stock: 3

[Buy now](#)

Single Bed

Price: ₹15,000.00

Stock: 75

[Buy now](#)

Master Bed

Price: ₹45,000.00

Stock: 55

[Buy now](#)

ADD PRODUCT

From admin panel admin Add Product that will show in home page if admin select the publication status as published, and will not show if he select publication status as unpublished.

Choose File No file chosen

Upload

Download Report

VIEW PRODUCT

In view option customer can show the details of the product.

EDIT PRODUCT

If mistake done when added product, by editing the page admin can correct the information that updated when it created.

Edit Product

Code

AF001

Photo Link

<https://ii1.pepperfry.com/media/catalog/product/a/x/800x880/axis-king-size-bed-with-storag>

Name

King Size Bed

Category

Furniture

Description

Auspicious Home offers furniture at affordable prices with the best quality and durability with modern designs.

Price

32000

Stock

2

Status

Available

Submit

Close

DELETE PRODUCTS

Unused Product or the product the company decided to stop sell permanently can delete, before deleting it, a notification will come to reconfirm that admin sure he wants to delete it.

VIEW ORDER In view category submenu customer can show the details of the category.

Orders

Order #	Customer Name	Customer Email	Customer phone	Shipping Address	Total	Order Data	Status	Action
44	asdf	asdf@gmail.com	asdf	asdf	₹46,500.00	Jul 14, 2022	New	Show Cancel Finish
41	asdf	asdf@gmail.com	asdf	asdf	₹32,000.00	Jul 14, 2022	New	Show Cancel Finish
11	asdf	asdf@gmail.com	asdf	asdf	₹32,000.00	Jul 7, 2022	Finished	Show
4	Jayesh Palande	jayeshpalande5356@gmail.com	9421215356	Sr.no.5, House No, 90,Taranand Nivas., Near Oscar School,Sambhaji Chowk,Keshavanagar,Mundhwa	₹164.00	Jul 6, 2022	Canceled	Show






[Back](#) [1](#) [Next](#)

EDIT ORDER STATUS

The product that delivered the customer have to change the product deliver status as delivered and as a result the product will not display at admin

Available Stock

Search

Photo	Code	Name	Type	About	Price	Stock	Status	Action	Mail
	AF001	King Size Bed	Furniture	Auspicious Home offers furniture at affordable prices with the best quality and durability with modern designs.	₹32,000.00	2	Available	Edit	Email
	AF002	Single Bed	Furniture	A delectable amalgamation of the timeless and trendy, a precarious balance of function.	₹15,000.00	75	Available	Edit	Email
	AF003	Master Bed	Furniture	Brown wall minimalistic bedroom interior with a wooden floor, masterbed standing on it and night stands.	₹45,000.00	54	Available	Edit	Email
	B00021	Radha Krishna Painting	Paintings	High Definition glossy matte modern printing artwork, picture photo printed on high quality vinyl and then framed on MDF to give decorative look	₹1,699.00	25	Available	Edit	Email
	B00022	Ganapati Painting	Paintings	Stretched Canvas Modern Art Painting	₹1,500.00	29	Available	Edit	Email

USER STATUS

Users

Search

Email	Name	Role	Status
jayeshpalande5356@gmail.com	Jayesh Palande	ROLE_MANAGER	<button>Remove Admin</button>
admin@eshop.com	Admin	ROLE_CUSTOMER	<button>Add Admin</button>
asdf@gmail.com	asdf	ROLE_CUSTOMER	<button>Add Admin</button>

DISCOUNT COUPONS

Discount Coupons

Add Coupon

Search

Discount Coupon Codes	Status
JAY1000	<button>Delete</button>
FIRST200	<button>Delete</button>

CONCLUSION

E-commerce still represents one of the business methods that take advantage if done the right way, even if the stock market and commodities fell, but E-Commerce still able to survive and receive high transaction. E-commerce has a tremendous opportunity in the course of or business in Malaysia. In addition, it is also to introducing new techniques and styles in a transaction. Use the extensive E-Commerce in the Internet world is actually much better to bring the goodness of the individual or the state.

Our application provides reliable and easy approach between vendors and customers. Customers or Users can use our application for searching different service provider as per their requirement and can also see their information, reviews and conclude whether it fulfill User's requirement or not.