

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", MACHHE, BELAGAVI - 590 018, KARNATAKA



A Mini Project Report on

“ONLINE SHIPPING MANAGEMENT”

Submitted in partial fulfillment of the requirements for the 5th semester

Bachelor of Engineering

in

Computer Science and Engineering

of

Visvesvaraya Technological University, Belagavi

by

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Dept of CSE, EPCET



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BENGALURU– 560 049

2022-2023



Department of Computer Science and Engineering

Approved by AICTE New Delhi | Affiliated to VTU, Belagavi,
Virgo Nagar, Bengaluru-560049

CERTIFICATE

This is to certify that **Mr. G MOHNISH REDDY and Mr. MUKESHREDDY NAGIREDDYGARI** bearing USN **1EP20CS055, 1EP20CS056** respectively are bonafide students of **East Point College of Engineering and Technology, Bengaluru**, has successfully completed DBMS Mini Project entitled “**ONLINE SHIPPING MANAGEMENT**” in partial fulfillment of the requirements for 5th Semester **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2022 - 2023. It is certified that all the corrections/suggestions indicated for internal assessment have been incorporated in the report. The mini project report has been approved as it satisfies the academic requirements as part of the course DBMS laboratory with mini project 18CSL58 prescribed for the said degree.

Signature of the Guide

Dr. Ganesh D R
Associate Professor,
Dept. of CSE, EPCET.

Signature of the HoD

Dr. C Emilin Shyni
Professor & Head,
Dept. of CSE- EPCET.

Name of the Examiners

1. _____

2. _____

Signature with Date

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Finally, we offer our regards to all the faculty members of CSE department and all those who supported us in any respect during the project.

G MOHNISH REDDY (1EP20CS055)

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ABSTRACT

The Shopping cart is mainly useful for who haven't time to go to shopping, those are just entered into this website and bought whatever they want. Even it is night or morning they entered into this site, and chosen different items like fruits, books, toys etc.

'Customer is our god' mainly this website is based on this formula. After chosen items he bought into Pay pal process like VISA or MASTER credit cards or any Debit cards are accepted in this website. Customer is happily shopping at his rest place.

Once customer entered with his own username and password, at that time automatically one shopping cart will be created, once user select an item it will add to cart. In case user thinks the selected item is not useful for me, then deleted that item from shopping cart.

Customer selected some items, but in his credit or debit card haven't that much balance, then he was logout from the website, the selected items are stored at cart with specific users with his allotted carts, after some days he bought those items then automatically deleted from the cart.

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Chapter-1

INTRODUCTION

1.1 Objective

The Shopping cart is mainly useful for who haven't time to go to shopping, those are just entered into this website and bought whatever they want. Even it is night or morning they entered into this site, and chosen different items like fruits, books, toys, etc..

'Customer is our god' mainly this website is based on this formula. After chosen items he bought into Pay pal process like VISA or MASTER creditcards or any Debit cards are accepted in this website. Customer is happily shopping at his rest place.

1.2 Project Overview:

Once customer entered with his own username and password, at that time automatically one shopping cart will be created, once user select an item it will add to cart. In case user thinks the selected item is not useful for me, then deleted that item from shopping cart.

Chapter-2

SYSTEM REQUIREMENTS

2.1 Hardware Requirements:

- Dual Core(Processor).
- 256 MB Ram
- 512 KB Cache Memory
- Hard disk 10 GB
- Microsoft Compatible 101 or more Key Board

2.2 Software Requirements:

Technology Implemented : Apache Server

Language Used : PHP 5.62 (Developed in Core PHP)

Database : My SQL

User Interface Design : HTML, AJAX, JQUERY, JAVASCRIPT

Web Browser : Mozilla, Google Chrome, IE8, OPERA

Software : XAMPP Server

Chapter-3

DESIGN

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization.

Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software. The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data.

3.1 UML Diagrams:

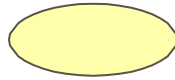
Actor:

A coherent set of roles that users of use cases play when interacting with the use cases.



Use case:

A description of sequence of actions, including variants, that a system performs that yields an observable result of value of an actor.



UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

3.2 Use Case Diagrams:

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying who can do and more importantly what they can't do.

Use case diagram consists of use cases and actors and shows the interaction between the use case and actor

- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

Use Case Diagram:

A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

Use case Diagram For User

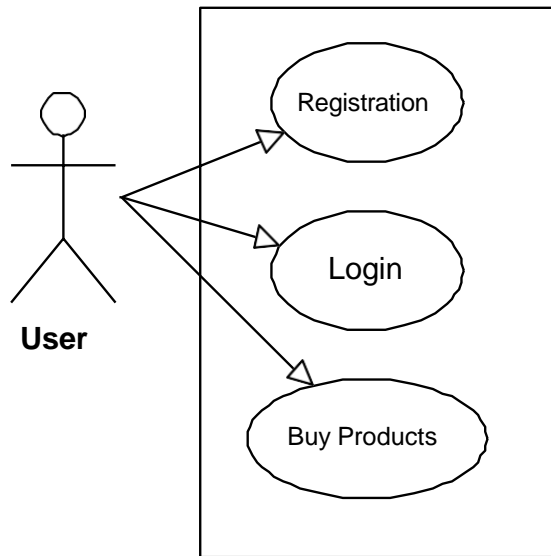


Fig 3.2.1 Use case diagram for user

Use Case Diagram for Online Shopping Website

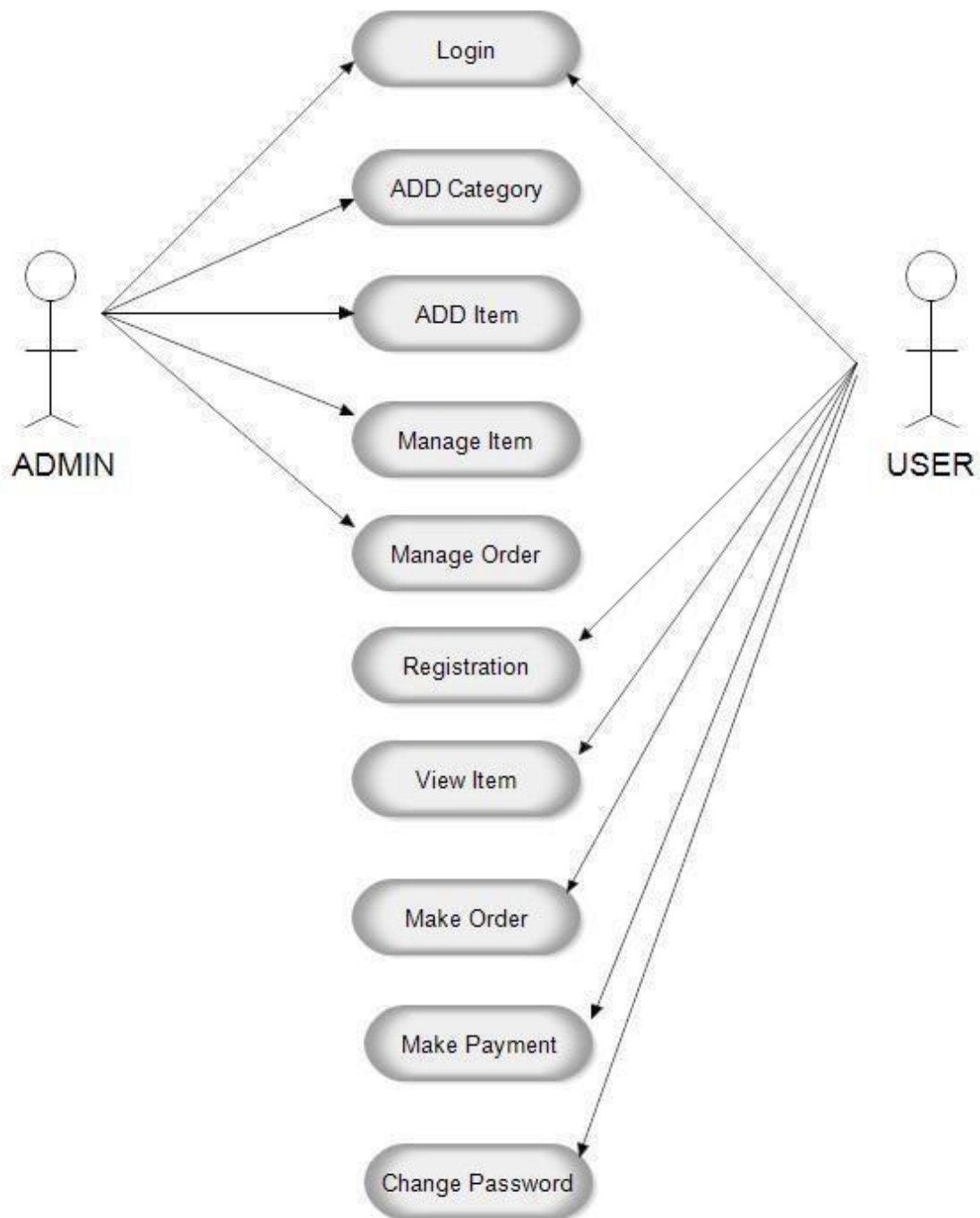


Fig 3.2.2 Use case diagram for Online shopping

Chapter -4

ENTITY-RELATIONSHIP DIAGRAMS:

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity- Relationship diagram which is used to visually represents data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design. For the database designer, the utility of the ER model is:

- it maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- it is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.

4.1 ER Diagram

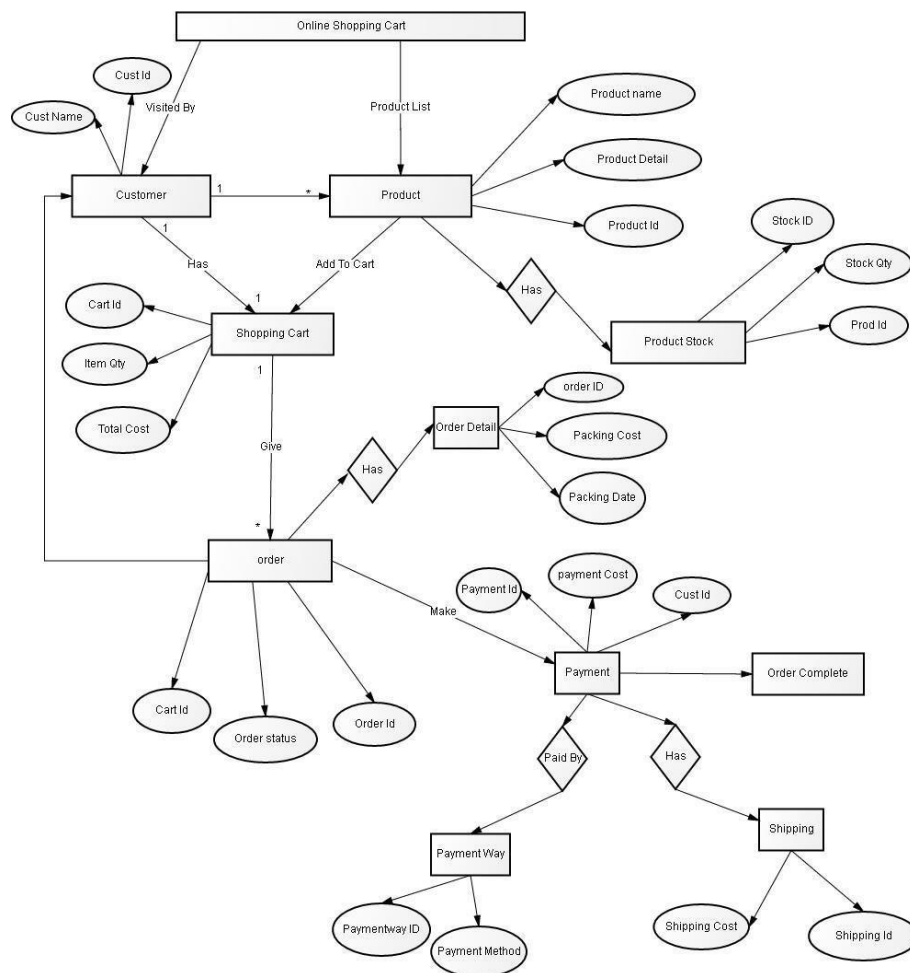


Fig 4.1.1 Entity Relationship diagram

Chapter-5**SCHEMA DIAGRAM**

Class is nothing but a structure that contains both variables and methods. The Class Diagram shows a set of classes, interfaces, and collaborations and their relating ships. There is most common diagram in modeling the object oriented systems and are used to give the static view of a system. It shows the dependency between the classes that can be used in our system.

The interactions between the modules or classes of our projects are shown below. each block contains Class Name, Variables and Methods.

Class:

A description of set of objects that share the same attributes, operations, relationships, and semantics

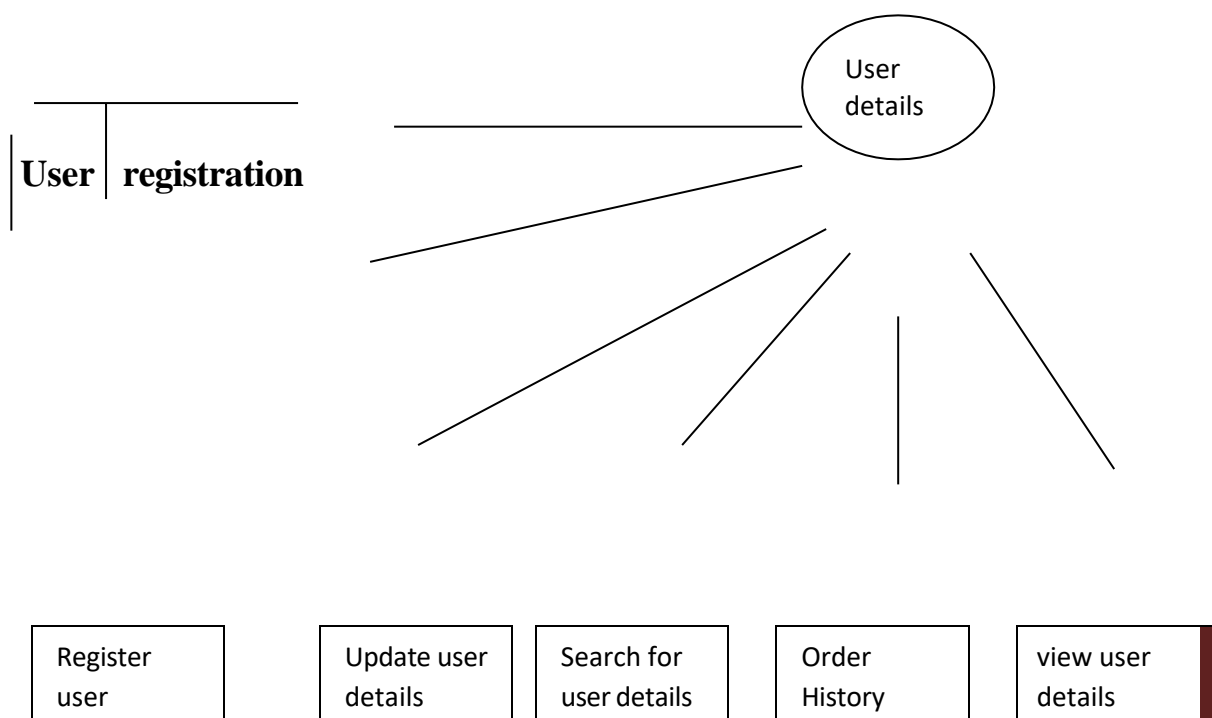
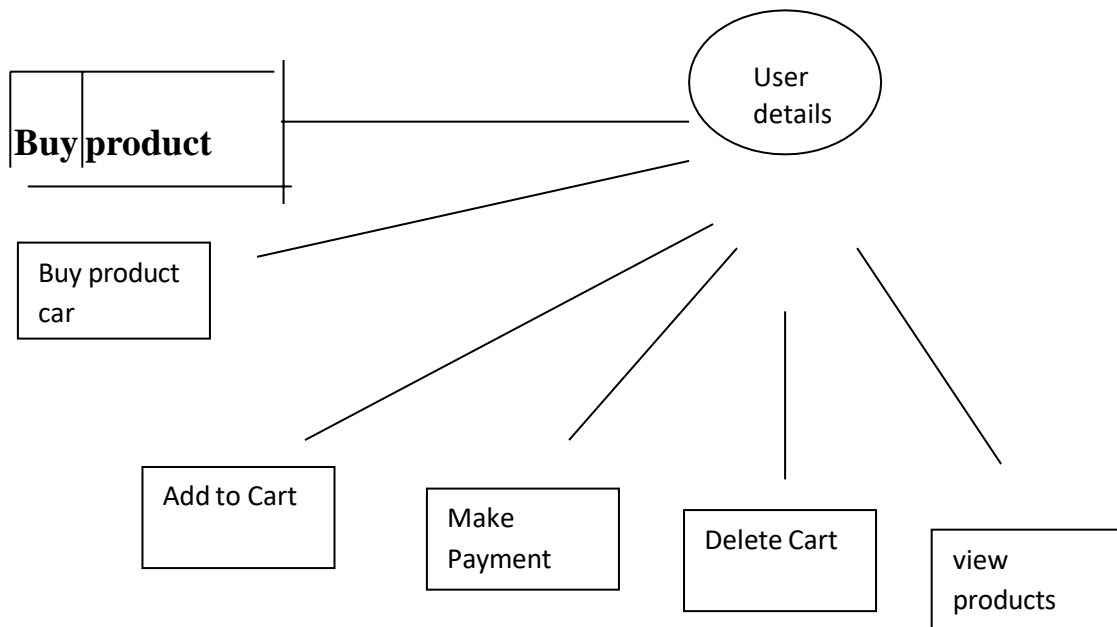
5.1 User registration

Fig 5.1.1 User Details

5.2 Buying Product



5.3 Dataflow Diagram Full

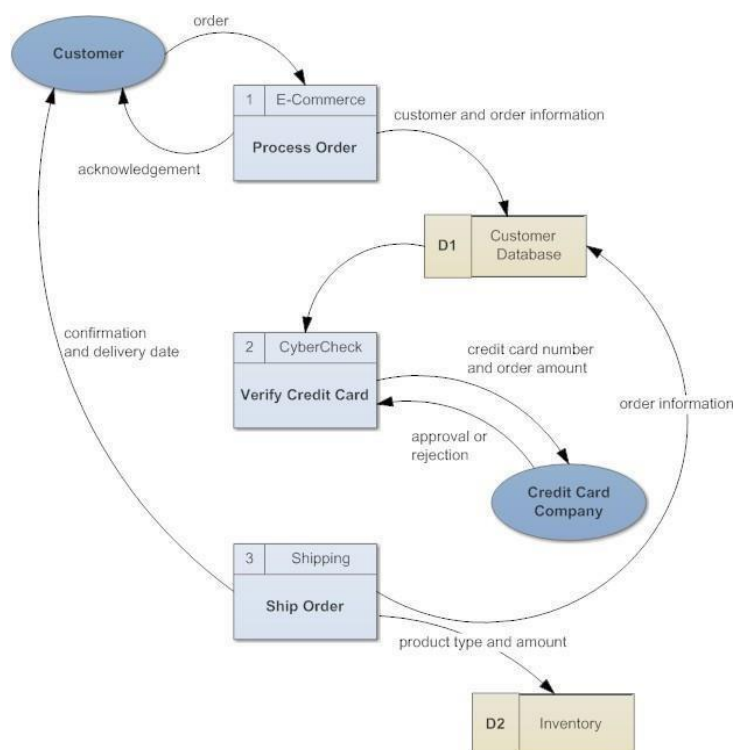


Fig 5.3.1 Dataflow diagram

5.4 Project Modules

5.4.1 Modules : This project contains 3 modules, those are

- **Admin**
- **Products**
- **User**

Modules Description:

Admin:-

When admin login, he saw the customer's database, means how many users are authenticated to website and how many users are transact everyday, and newly items are inserting into products

Products:-

This module contains product name, and related image, and cost of its. Like toys, books, furniture, gold items, etc.. Whatever customer wants from the shopping cart.

User:-

User entered into with his username and password, when he entered into this, he saw what items are available today, this facility is available for this site. Chose different items from website get those through door delivery.

IMPLEMENTATION

Implementation is the stage where the theoretical design is turned into a working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system for the users that it will work efficiently and effectively.

The system can be implemented only after thorough testing is done and if it is found to work according to the specification.

It involves careful planning, investigation of the current system and its constraints on implementation, design of methods to achieve the changeover and an evaluation of change over methods apart from planning. Two major tasks of preparing the implementation are education and training of the users and testing of the system.

The more complex the system being implemented, the more involved will be the systems analysis and design effort required just for implementation.

The implementation phase comprises of several activities. The required hardware and software acquisition is carried out. The system may require some software to be developed. For this, programs are written and tested. The user then changes over to his new fully tested system and the old system is discontinued.

Chapter-7

RESULTS AND SNAPSHOT

7.1 Screenshots

Home page

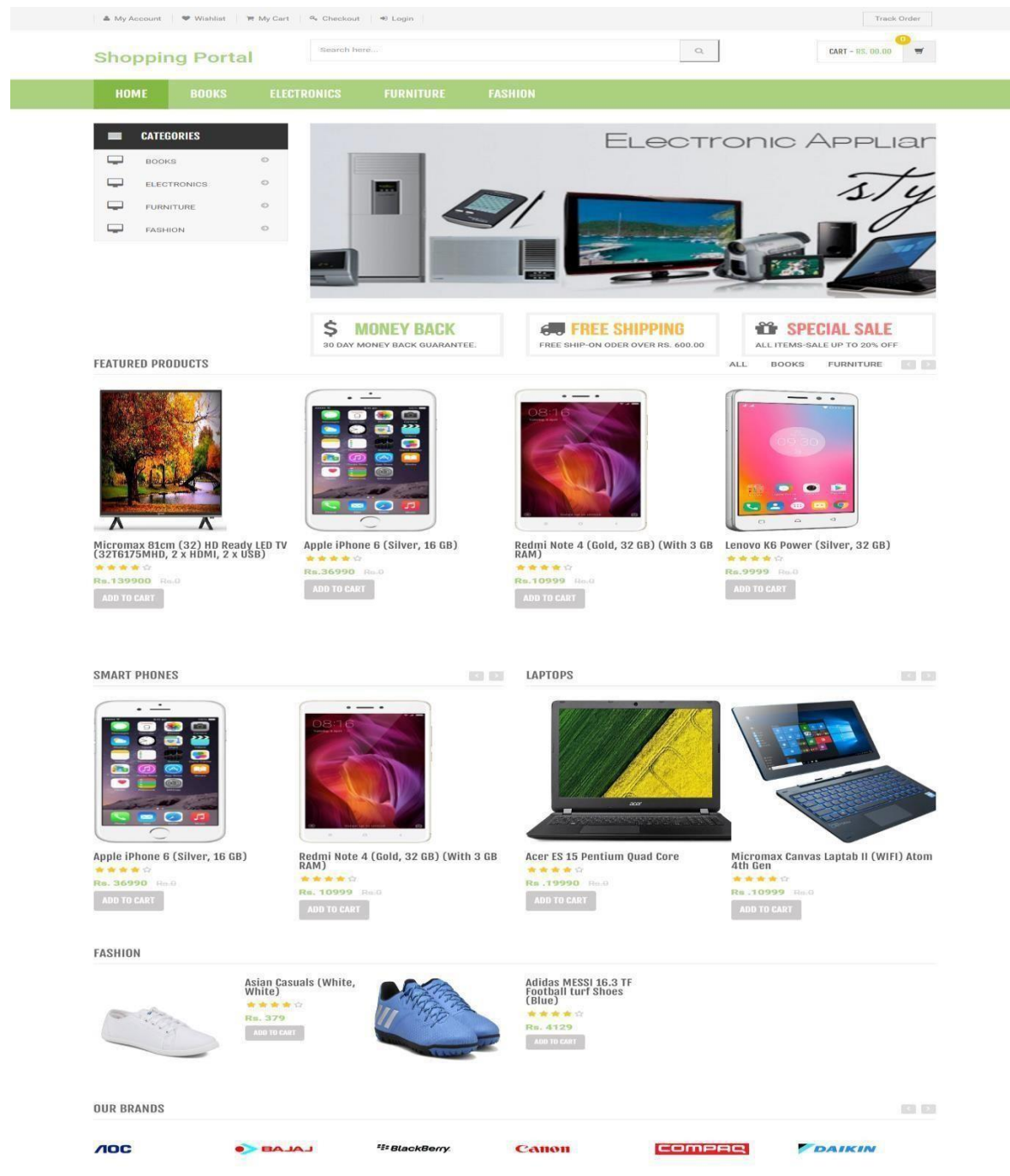


Fig 7.1 Home page of Shopping portal

User Registration and login

HOMEBOOKSELECTRONICSFURNITUREFASHION

Home / Authentication

SIGN IN

Hello, Welcome to your account.

Email Address *

Password *

Forgot your Password?

LOGIN

CREATE A NEW ACCOUNT

Create your own Shopping account.

Full Name *

Email Address *

Contact No. *

Password. *

Confirm Password. *

SIGN UP

Fig 7.2 User Registration

Category

My Account Wishlist My Cart Checkout Login

Track Order

Shopping Portal Search here...

CART - ₹5,00.00

HOME BOOKS ELECTRONICS FURNITURE FASHION

SUB CATEGORIES

- LED TELEVISION
- TELEVISION
- MOBILES
- MOBILE ACCESSORIES
- LAPTOPS
- COMPUTERS

SHOP BY

Category

Books


Electronics

Furniture

Fashion

Category

ELECTRONICS




Micromax 81cm (32) HD Ready LED TV (32H1Z0MHD, 2 x HDMI, 2 x USB)

★★★★★

Rs. 13999.00 (Incl. GST)

Add to cart




Apple iPhone 6 (Silver, 16 GB)

★★★★★

Rs. 36990 (Incl. GST)

Add to cart




Redmi Note 4 (Gold, 32 GB) (With 3 GB RAM)

★★★★★

Rs. 10999 (Incl. GST)

Add to cart




Lenovo K6 Power (Silver, 32 GB)

★★★★★

Rs. 9999 (Incl. GST)

Add to cart




Lenovo Vibe K5 Note (Gold, 32 GB)

★★★★★

Rs. 11999 (Incl. GST)

Add to cart




Micromax Canvas Mega 4G

★★★★★

Rs. 6999 (Incl. GST)

Add to cart




SAMSUNG Galaxy On5

★★★★★

Rs. 14999 (Incl. GST)

Add to cart




OPPO A57

★★★★★

Rs. 14999 (Incl. GST)

Add to cart




Affix Back Cover for MI Redmi Note 4

★★★★★

Rs. 699 (Incl. GST)

Add to cart




Acer ES 15 Pentium Quad Core

★★★★★

Rs. 19990 (Incl. GST)

Add to cart




Micromax Canvas Laptab II (WIFI) Atom 4th Gen

★★★★★

Rs. 10999 (Incl. GST)

Add to cart




HP Core i5 5th Gen

★★★★★

Rs. 41990 (Incl. GST)

Add to cart



Lenovo Ideapad 110 APU Quad Core A6 6th Gen

★★★★★

Rs. 22990 (Incl. GST)

Add to cart

OUR BRANDS

AOC BAJAJ BlackBerry Canon COMPEL DAIKIN

Shopping Portal

Nam libero tempore, cum soluta nobis est sit eligendi optio cumque cum soluta nobis est sit eligendi optio cumque.



OPENING TIME

Monday-Friday:	08.00 To 18.00
Saturday:	09.00 To 20.00
Sunday:	10.00 To 20.00

INFORMATION

New Delhi, Delhi:
 (011) 00000000000
 (011) 00000000000
 info@phggunut.com

Fig 7.3 Category of products

Sub Category

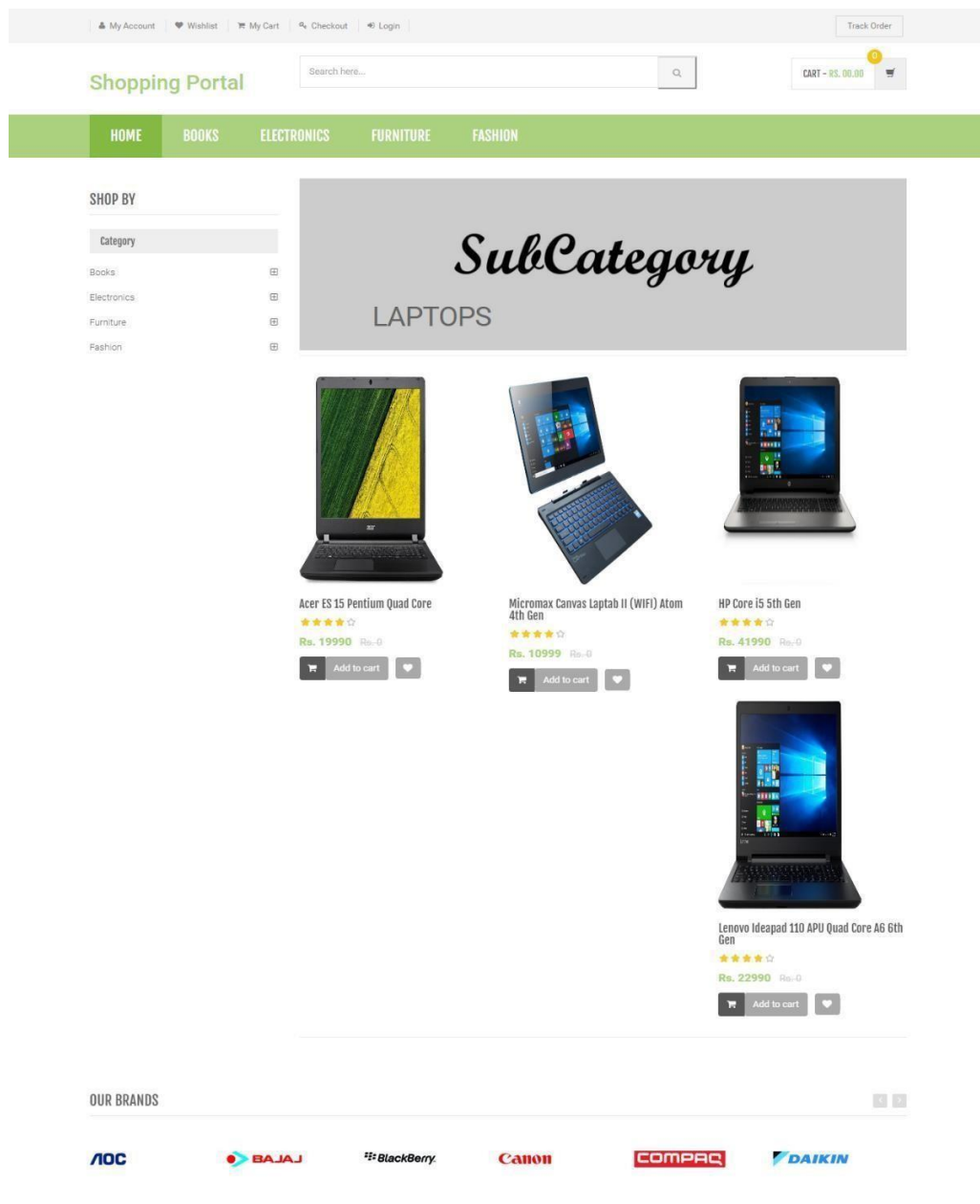


Fig 7.4 Subcategory of products

Product Details

Welcome -Anuj Kumar

My Account

Wishlist

My Cart

Checkout

Logout

Track Order

Shopping Portal

Search here...

CART - Rs. 00.00

HOME

BOOKS

ELECTRONICS

FURNITURE

FASHION

Home / Electronics / Mobiles / Apple iPhone 6 (Silver, 16 GB)

CATEGORY

Books

Electronics

Furniture

Fashion

HOT DEALS

Lenovo Vibe K5 Note (Gold, 32 GB)
 ★★★★★
 Rs. 11999.00 ~~Rs. 12999.00~~
 Add to cart

Apple iPhone 6 (Silver, 16 GB)
 ★★★★★ (0 Reviews)
 AVAILABILITY : In Stock
 PRODUCT BRAND : Apple INC
 SHIPPING CHARGE : Free
Rs. 36990 ~~Rs. 0~~
 QTY: 1
 SHARE: [f](#) [t](#) [in](#) [s](#) [p](#)

DESCRIPTION

1 GB RAM | 16 GB ROM |
 4.7 inch Retina HD Display
 8MP Primary Camera | 1.2MP Front
 Li-Ion Battery
 A8 Chip with 64-bit Architecture and M8 Motion Co-processor Processor

REALTED PRODUCTS

Apple iPhone 6 (Silver, 16 GB)
 ★★★★★
 Rs. 36990 ~~Rs. 0~~

Redmi Note 4 (Gold, 32 GB) (With Lenovo K6 Power (Silver, 32 GB) 3 GB RAM)
 ★★★★★
 Rs. 10999 ~~Rs. 0~~

Lenovo K6 Power (Silver, 32 GB)
 ★★★★★
 Rs. 9999 ~~Rs. 0~~

Lenovo Vibe K5 Note (Gold, 32 GB)
 ★★★★★
 Rs. 11999 ~~Rs. 0~~

OUR BRANDS

Shopping Portal

Nam libero tempore, cum soluta nobis est sex eligendi optio cumque cum soluta nobis est sex eligendi optio cumque.



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Sunday:	10.00 To 20.00

INFORMATION

	New Delhi, Delhi
	(011) 000000000000 (011) 000000000000
	info@phpgurukul.com

Fig 7.5 Details of the products

Forgot Password

[My Account](#) | [Wishlist](#) | [My Cart](#) | [Checkout](#) | [Login](#) | [Track Order](#)

Shopping Portal

Search here...

CART - RS. 00.00

HOME | BOOKS | ELECTRONICS | FURNITURE | FASHION

Home / Forgot Password

FORGOT PASSWORD

Email Address *







Contact no. *

Password. *

Confirm Password. *

CHANGE

OUR BRANDS

Shopping Portal

Nam libero tempore, cum soluta nobis est ses eligendi optio cumque cum soluta nobis est ses eligendi optio cumque.



OPENING TIME

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Saturday:	09.00 To 20.00
Sunday:	10.00 To 20.00

INFORMATION

-  New Delhi, Delhi
-  (011) 000000000000
(011) 000000000000
-  info@phggurukul.com

Fig 7.6 To recover the password

Track Order Without Login

[My Account](#) [Wishlist](#) [My Cart](#) [Checkout](#) [Login](#) [Track Order](#)

Shopping Portal

Search here...

CART - RS. 00.00

HOMEBOOKSELECTRONICSFURNITUREFASHION

Home / [Track your orders](#)

TRACK YOUR ORDER







Please enter your Order ID in the box below and press Enter. This was given to you on your receipt and in the confirmation email you should have received.

Order ID

Registered Email

TRACK






OUR BRANDS



1

Shopping Portal


Nam libero tempore, cum soluta nobis est ses eligendi optio cumque cum soluta nobis est ses eligendi optio cumque.




OPENING TIME

Monday-Friday:	08.00 To 18.00
Saturday:	09.00 To 20.00
Sunday:	10.00 To 20.00

INFORMATION

 New Delhi, Delhi

 (011) 000000000000
(011) 000000000000


 info@phpgurukul.com

Fig 7.7 Tracking of the products

User Profile

[Welcome -Anuj Kumar](#) | [My Account](#) | [Wishlist](#) | [My Cart](#) | [Checkout](#) | [Logout](#) | [Track Order](#)

Shopping Portal

Search here...

CART - RS. 00.00

HOME | BOOKS | ELECTRONICS | FURNITURE | FASHION

Home / Checkout

1 MY PROFILE

Personal info

Name*

Anuj Kumar

Email Address *

anuj.lpu1@gmail.com

Contact No. *

9009857868

UPDATE

2 CHANGE PASSWORD

YOUR CHECKOUT PROGRESS

My Account

Shipping / Billing Address

Order History

Payment Pending Order

OUR BRANDS

AOC

BAJAJ

BlackBerry

Canon

COMPAQ

DAIKIN

Shopping Portal

Nam libero tempore, cum soluta nobis est ses eligendi optio cumque cum soluta nobis est ses eligendi optio cumque.

f

t

in

s

p

OPENING TIME

Monday-Friday:

08.00 To 18.00

Saturday:

09.00 To 20.00

Sunday:

10.00 To 20.00

INFORMATION

New Delhi, Delhi

(011) 000000000000

(011) 000000000000

info@phpgurukul.com

Fig 7.8 User details

Shipping-Billing Address Details

[Welcome - Anuj Kumar](#) | [My Account](#) | [Wishlist](#) | [My Cart](#) | [Checkout](#) | [Logout](#) | [Track Order](#)

Shopping Portal

Search here...

CART - RS. 00.00

HOMEBOOKSELECTRONICSFURNITUREFASHION

[Home](#) / [Checkout](#)

1BILLING ADDRESS

Billing Address*

New Delhi

Billing State *

New Delhi

Billing City *

Delhi

Billing Pincode *

110092

UPDATE

2SHIPPING ADDRESS

YOUR CHECKOUT PROGRESS

[My Account](#)

[Shipping / Billing Address](#)

[Order History](#)

[Payment Pending Order](#)

OUR BRANDS

AOC

BAJAJ

BlackBerry

Canon

COMPAQ

DAIKIN

Shopping Portal

Nam libero tempore, cum soluta nobis est ses eligendi optio cumque cum soluta nobis est ses eligendi optio cumque.

[f](#) [t](#) [in](#) [s](#) [p](#)

OPENING TIME

Monday-Friday:

08.00 To 18.00

Saturday:

09.00 To 20.00

Sunday:

10.00 To 20.00

INFORMATION

New Delhi, Delhi

(011) 000000000000
(011) 000000000000

info@phpgurukul.com

Fig 7.9 Address details

Order History

Welcome -Anuj Kumar

My Account

Wishlist

My Cart

Checkout

Logout

Track Order

Shopping Portal

Search here...

CART - RS. 00.00

HOME

BOOKS

ELECTRONICS

FURNITURE

FASHION

Home / Shopping Cart







#	Image	Product Name	Quantity	Price Per unit	Grandtotal	Payment Method	Order Date	Action
1		REDMI NOTE 4 (GOLD, 32 GB) (WITH 3 GB RAM)	1	10999	10999	COD	2017-03-08 01:02:57	Track
2		LENOVO K6 POWER (SILVER, 32 GB)	1	9999	9999	Debit / Credit card	2017-03-11 01:13:04	Track
3		INDUSCRAFT SOLID WOOD KING BED WITH STORAGE	1	32566	32566	COD	2017-03-08 21:44:17	Track
4		REDMI NOTE 4 (GOLD, 32 GB) (WITH 3 GB RAM)	1	10999	10999	COD	2017-03-09 00:51:38	Track
5		LENOVO K6 POWER (SILVER, 32 GB)	1	9999	9999	COD	2017-03-09 00:51:38	Track
6		THEA STILTON AND THE TROPICAL TREASURE	2	240	480	COD	2017-04-03 23:38:54	Track

Fig 7.10 Order history

Tracking Details

Quantity	Price Per unit	Grandtotal	Payment Method	Order Date	Action
1	10999	10999	COD	2017-03-08 01:02:57	Track
1	9999	9999	Debit / Credit card	2017-03-11 01:13:04	Track

Fig 7.11 Tracking details

Wishlist

[Welcome -Anuj Kumar](#) | [My Account](#) | [Wishlist](#) | [My Cart](#) | [Checkout](#) | [Logout](#) | [Track Order](#)

Shopping Portal

CART - RS. 00.00

[HOME](#) | [BOOKS](#) | [ELECTRONICS](#) | [FURNITURE](#) | [FASHION](#)

[Home](#) / [Wishlist](#)

MY WISHLIST

Apple iPhone 6 (Silver, 16 GB)

★★★★★ (0 Reviews)

Rs. 36990.00 ~~\$900.00~~

[ADD TO CART](#)

OUR BRANDS

Shopping Portal

Nam libero tempore, cum soluta nobis est ses eligendi optio cumque cum soluta nobis est ses eligendi optio cumque.

OPENING TIME

Monday-Friday:	08.00 To 18.00
Saturday:	09.00 To 20.00
Sunday:	10.00 To 20.00

INFORMATION

New Delhi, Delhi

(011) 000000000000
(011) 000000000000

info@phpgurukul.com

Fig 7.12 Wishlist

Chapter-8

CONCLUSION

The package was designed in such a way that future modifications can be done easily. The following conclusions can be deduced from the development of the project.

- Automation of the entire system improves the efficiency.
- It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.
- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

REFERENCES:-

The following books were referred during the analysis and execution phase of the project :

1. PHP and MySQL Web Development
2. Head First PHP & MySQL
3. PHP & MySQL for Dummies

WEBSITES:

- www.google.com
- www.w3schools.com
- www.tutorialspoint.php
- <http://stackoverflow.com>