
Project Documentation

for

Online Electronic Store Management System

ABSTRACT

The Online Electronic Store is a web based application intended for online retailers. The main objective of this application is to make it interactive and its ease of use. It would make searching, viewing and selection of a product easier. It contains a sophisticated search engine for user's to search for products specific to their needs. The search engine provides an easy and convenient way to search for products where a user can Search for a product interactively and the search engine would refine the products available based on the user's input. The user can then view the complete specification of each product. They can also view the product reviews and also write their own reviews.

The application also provides a drag and drop feature so that a user can add a product to the shopping cart by dragging the item in to the shopping cart. The main emphasis lies in providing a user- friendly search engine for effectively showing the desired results and its drag and drop behavior.

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CHAPTER ۱

INTRODUCTION

Introduction

E-commerce is gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace. Hence, we intend to design a software application to manage an online electronic store.

Document Purpose

In this document, we intend to specify all the software requirements of our online electronic store application. As we intend on using the waterfall model for our project, we intend to specify all the requirements for our project clearly and specifically without any ambiguity. We intend to obtain all the specified requirements in the document and use it for the design and testing phases.

Product Scope

The software application will carry out the following processes:

- 1) Any person can register as a customer by providing their details
- 2) A registered customer can order multiple products by using the application

On the development of this product, a customer will be able to order electronics online within few minutes without the necessity of physically going to the store and wasting time during the process. After placing the order, the product will be delivered to the given address requested by the user. Such an application can also be used to place order for relatives living in different cities just by changing the shipping address.

Project Overview

This document can be referred to and used by developers for improving their product, clients for viewing the various requirements of the application and professors who can review the document.

This document provides the overall description which includes the product perspective, its functionality, various types of users and their characteristics, the environment in which the

product is operated in, the design and implementation constraints, and all the assumptions and dependencies made during the formulation of the document

It then provides requirements specific to the product, such as the requirements for the external interface, functional and behavioural requirements.

We then specify other requirements, such as the performance requirements, safety and security requirements, and all the quality assurances provided by the product.

Professors can go through the entire document while reviewing it to get the general overview of the product and to check the requirements of the application whereas clients may skip viewing the specific requirements and concentrate on reading the quality assurances and the performance and safety requirements.

STUDY OF THE SYSTEM

MODULES:

The system after careful analysis has been identified to be presented with the following modules and roles. The modules involved are:

- ❑ Administrator
- ❑ Moderators
- ❑ Users

The administrator is the super user of this application. Only admin have access into this admin page. Admin may be the owner of the shop. The administrator has all the information about all the users and about all products.

This module is divided into different sub-modules.

١. Manage Moderators
٢. Manage Products
٣. Manage Users
٤. Manage Orders

CHAPTER ٢

SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problems and using the information to recommend improvements on the system. System analysis is a problem solving activity that requires intensive communication between the system users and system developers.

System analysis or study is an important phase of any system development process. The system is viewed as a whole, the inputs are identified and the system is subjected to close study to identify the problem areas. The solutions are given as a proposal. The proposal is reviewed on user request and suitable changes are made.

This loop ends as soon as the user is satisfied with the proposal.

EXISTING SYSTEM

The current system for shopping is to visit the shop manually and from the available product choose the item customer want and buying the item by payment of the price of the item

- ١. User must go to shop and select products.
- ٢. It is difficult to identify the required product.
- ٣. Description of the product limited.
- ٤. It is a time consuming process
- ٥. It is less user friendly

PROPOSED SYSTEM

In the proposed system customer need not go to the shop for buying the products. He can order the product he wish to buy through the application in his Smartphone. The shop owner will be admin of the system. Shop owner can appoint moderators who will help owner in managing the customers and product orders. The system also recommends a home delivery system for the purchased products.

Software Requirements Specification

The product specified in the SRS document is a software application for an online electronic store. It is a follow-on member of the various software applications that exist for online shopping. But our product is an application specialised for selling of only electronics.

Our product interacts with the users over the internet and can be accessed through a web browser. It is being used in a time where customers do not have the time to physically visit the shop and are willing to pay more money if the product of their choice is delivered to their doorstep.

2.3.3.1 NON FUNCTIONAL REQUIREMENTS

i. EFFICIENCY REQUIREMENT

When an online shopping cart android application implemented customer can purchase product in an efficient manner.

ii. RELIABILITY REQUIREMENT

The system should provide a reliable environment to both customers and owner. All orders should be reaching at the admin without any errors.

iii. USABILITY REQUIREMENT

The android application is designed for user friendly environment and ease of use.

iv. IMPLEMENTATION REQUIREMENT

Implementation of the system using css and html in front end with jsp as back end and it will be used for database connectivity. And the database part is developed by mysql. Responsive web designing is used for making the website compatible for any type of screen.

v. DELIVERY REQUIREMENT

The whole system is expected to be delivered in four months of time with weekly avaluation by the project guide.

2.3.3.1 FUNCTIONAL REQUIREMENTS

USER

2.1 USER LOGIN

Description of feature

This feature used by the user to login into system. A user must login with his user name and password to the system after registration. If they are invalid, the user not allowed to enter the system.

Functional requirement

- Username and password will be provided after user registration is confirmed.

Password should be hidden from others while typing it in the field

❑ REGISTER NEW USER

Description of feature

A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.

Functional requirement

- System must be able to verify and validate information.
- The system must encrypt the password of the customer to provide security.

❑ PURCHASING AN ITEM

Description of feature

The user can add the desired product into his cart by clicking add to cart option on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove. After confirming the items in the cart the user can submit the cart by providing a delivery address. On successful submitting the cart will become empty. Functional requirement

- System must ensure that, only a registered customer can purchase items.

ADMIN

❑ MANAGE USER

Description of feature

The administrator can add user, delete user, view user and block user.

❑ MANAGE MODERATOR

Description of feature

The administrator can add moderator, delete moderator, block moderator and search for a moderator.

❑ MANAGE PRODUCTS

Description of feature

The administrator can add product, delete product and view product.

❑ MANAGE ORDERS

Description of feature

The administrator can view orders and delete orders.

Functional requirements

- The system must identify the login of the admin.
- Admin account should be secured so that only owner of the shop can access that account.

CHAPTER 3

SYSTEM DESIGN

System design is the solution for the creation of a new system. This phase focuses on the detailed implementation of the feasible system. It emphasizes on translating design specifications to performance specification. System design has two phases of development

❑ Logical design

❑ Physical design

During logical design phase the analyst describes inputs (sources), outputs (destinations), databases (data stores) and procedures (data flows) all in a format that meets the user requirements. The analyst also specifies the needs of the user at a level

that virtually determines the information flow in and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which specify exactly what the candidate system must do.

3.1 INPUT AND OUTPUT DESIGN

3.1.1 INPUT DESIGN:

Input design is the link that ties the information system into the world of its users. The input design involves determining the inputs, validating the data, minimizing the data entry and provides a multi-user facility. Inaccurate inputs are the most common cause of errors in data processing. Errors entered by the data entry operators can be controlled by input design. The user-originated inputs are converted to a computer based format in the input design. Input data are collected and organized into groups of similar data. Once identified, the appropriate input media are selected for processing. All the input data are validated and if any data violates any conditions, the user is warned by a message. If the data satisfies all the conditions, it is transferred to the appropriate tables in the database. In this project the student details are to be entered at the time of registration. A page is designed for this purpose which is user friendly and easy to use. The design is done such that users get appropriate messages when exceptions occur.

3.1.2 OUTPUT DESIGN:

Computer output is the most important and direct source of information to the user. Output design is a very important phase since the output needs to be in an efficient manner. Efficient and intelligible output design improves the system relationship with the user and helps in decision making. Allowing the user to view the sample screen is important because the user is the ultimate judge of the quality of output. The output module of this system is the selected notifications.

3.2. SYSTEM TOOLS:

The various system tools that have been used in developing both the front end and the back end of the project are being discussed in this chapter.

౩.౨.౧. FRONT END:

HTML, CSS, JAVA SCRIPT, BOOTSTRAP are utilized to implement the frontend.

HTML (Hyper Text Markup Language)

HTML is a syntax used to format a text document on the web.

CSS (Cascading Style Sheets)

CSS is a style sheet language used for describing the look and formatting of a document written in a markup language.

Java Script

JS is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side

scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed.

Java Script is used to create pop up windows displaying different alerts in the system like “User registered successfully”, ”Product added to cart” etc

౩.౩ E-R DIAGRAMS

❑ LOGIN

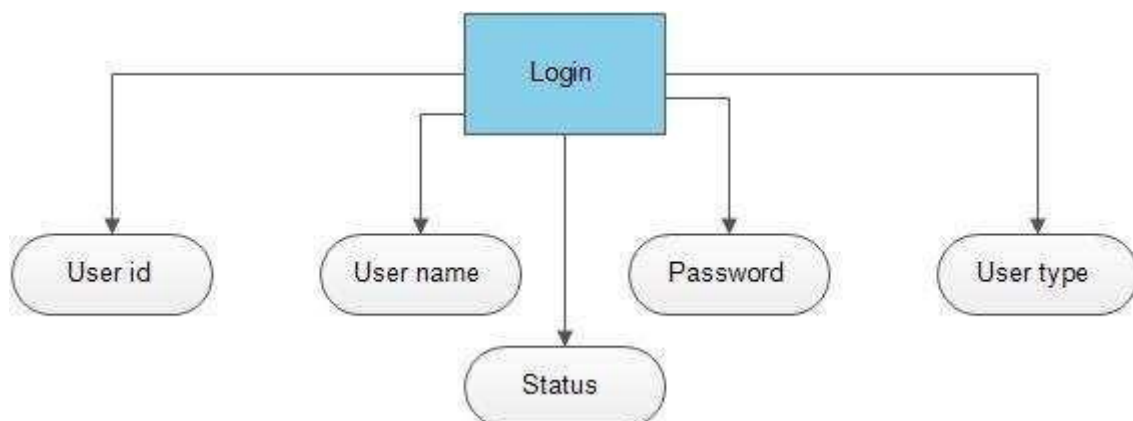


Fig ૩,૦: Login

USER DETAILS

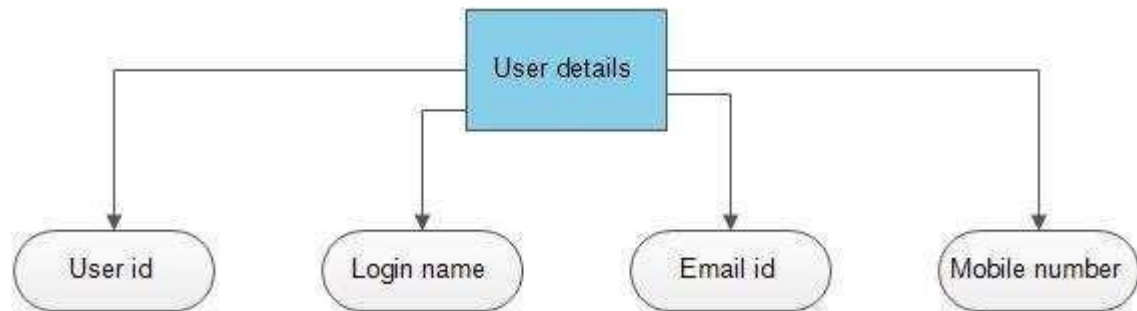


Fig ૩,૧: User Details

PRODUCT DETAILS

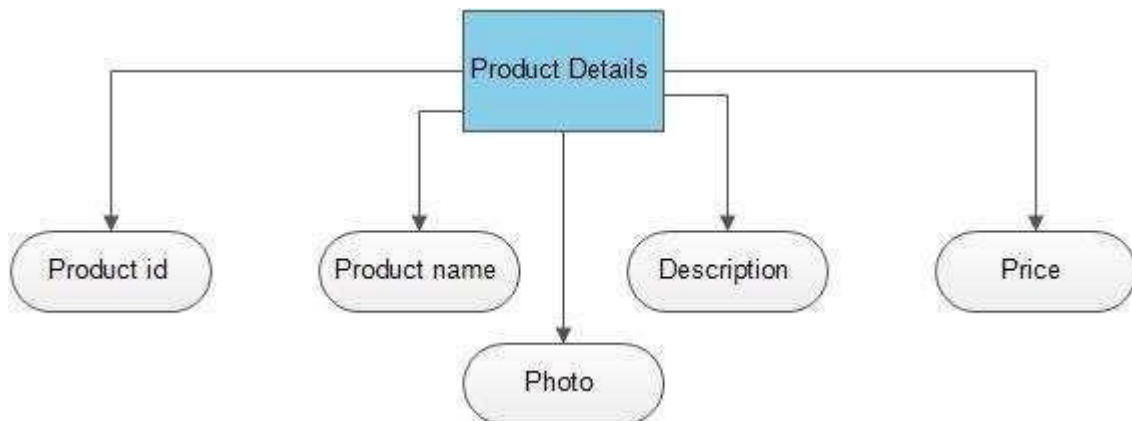


Fig ૩,૪: Product Details

PRODUCT ORDERS

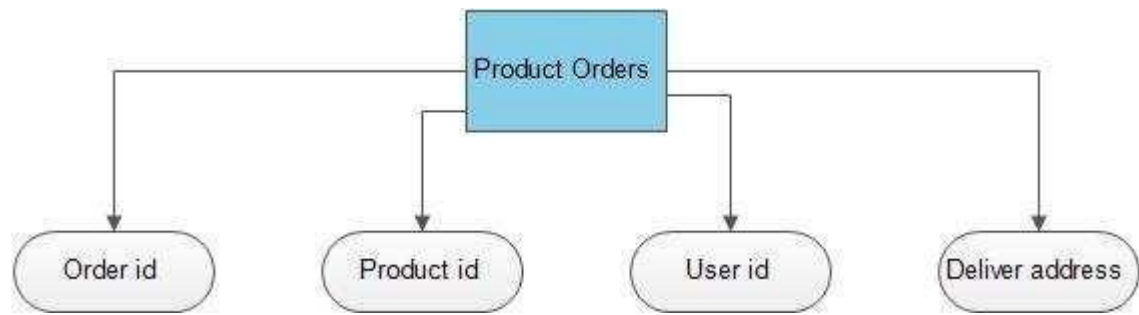
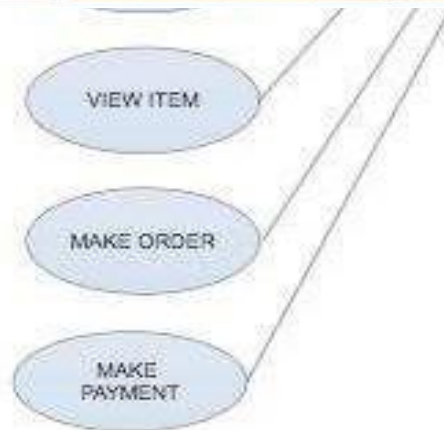


Fig 3.1: Product Orders

Use Case View

۳,۰ SCREEN SHOTS

HOME



FOOTER

Categories

[Mobiles](#)
[Computers](#)
[TV, Audio](#)
[Smartphones](#)
[Washing Machines](#)
[Refrigerators](#)

Quick Links

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[Faq's](#)
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Get in Touch

[shadab colony, Bahawalpur.](#)
[0314-6864327](#)
[0304-7483801](#)
[talhanaseer78@gmail.com](#)
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Popular on Electro Store

[Offers & Coupons](#) | [Couple Watches](#) | [Gas Stoves](#) | [Air Coolers](#) | [Air Purifiers](#) | [Headphones](#) | [Headsets](#) | [Pressure Cookers](#) | [Sandwich Makers](#) | [Air Friers](#) | [Irons](#) |
[LED TV](#) | [Sandwich Makers](#) |

Payment Method



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PRODUCT

HOME | ELECTRONICS

Mobiles & Computers



Samsung Galaxy J7

\$200.00 ~~\$280.00~~

ADD TO CART

New



OPPO A37f

\$230.00 ~~\$250.00~~

ADD TO CART

New



Apple iPhone X

\$280.00 ~~\$300.00~~

ADD TO CART

New



Infinix Hot S3

\$300.00 ~~\$320.00~~

ADD TO CART



Moto X4 (6 GB)

\$233.00 ~~\$240.00~~

ADD TO CART

New



iVooMi i Series

\$249.00 ~~\$260.00~~

ADD TO CART



Dell Vostro Laptop

\$252.00 ~~\$260.00~~

ADD TO CART



Acer Laptop

\$240.00 ~~\$260.00~~

ADD TO CART



Lenovo

\$300.00 ~~\$320.00~~

ADD TO CART

New



Intex Power Bank

\$100.00 ~~\$200.00~~

ADD TO CART

New



HP Wireless Printer

\$243.00 ~~\$250.00~~

ADD TO CART



Alcatel Tablet

\$320.00 ~~\$350.00~~

ADD TO CART

Brand

Search Brand...

- ☐ Samsung
- ☐ Red Mi
- ☐ Apple
- ☐ Nexus
- ☐ Motorola
- ☐ Micromax
- ☐ Lenovo
- ☐ Oppo
- ☐ Sony
- ☐ LG
- ☐ One Plus

Ram

- ☐ Less than 512 MB
- ☐ 512 MB - 1 GB
- ☐ 1 GB
- ☐ 2 GB
- ☐ 3 GB
- ☐ 5 GB
- ☐ 6 GB
- ☐ 6 GB & Above

Price

- ☐ Under \$1,000
- ☐ \$1,000 - \$5,000
- ☐ \$5,000 - \$10,000
- ☐ \$10,000 - \$20,000
- ☐ \$20,000 - \$30,000
- ☐ Over \$30,000

Discount

- ☐ 5% or More
- ☐ 10% or More
- ☐ 20% or More
- ☐ 30% or More
- ☐ 50% or More
- ☐ 60% or More

Offers

- ☐ Exchange Offer
- ☐ No Cost EMI
- ☐ Special Price

Cash On Delivery

- ☐ Eligible for Cash On Delivery

New Arrivals


- ☐ Last 30 days
- ☐ Last 90 days

Availability

- ☐ Exclude Out of Stock

PRODUCT PAGE ۲

Tv & Appliances




Sony 80 cm (32 inches)

~~\$340.00~~
\$320.00

ADD TO CART


New



Artis Speaker

~~\$399.00~~
\$349.00

ADD TO CART




Philips Speakers

~~\$300.00~~
\$249.00

ADD TO CART


New



Whirlpool 245

~~\$260.00~~
\$230.00


ADD TO CART



BPL Washing Machine

~~\$200.00~~
\$180.00

ADD TO CART




Microwave Oven

~~\$299.00~~
\$199.00

ADD TO CART

New




boAt Rockerz Headset

~~\$350.00~~
\$320.00

ADD TO CART


New



LG Boom Blast Speaker

~~\$200.00~~
\$180.00

ADD TO CART




Nikon Camera

~~\$250.00~~
\$230.00

ADD TO CART


New



Dry Iron

~~\$549.00~~
\$449.00

ADD TO CART




Induction Cooktop

~~\$150.00~~
\$145.00

ADD TO CART

New



Hair Straightener

~~\$550.00~~
\$499.00

ADD TO CART

Brand

Search Brand...

☐ Electronics

☐ ELECTRON

☐ Electronic

☐ Generic

☐ mono

☐ ACR Electronics

☐ NAXA Electronics

☐ Techno electronics

☐ TC Electronic

☐ Robodo Electronics

☐ JJ Electronic

Customer Review

★★★★★ 5.0

★★★★☆ 4.0

★★★☆☆ 3.5

★★★☆☆ 3.0

★★☆☆☆ 2.5

Price

☐ Under \$1,000

☐ \$1,000 - \$5,000

☐ \$5,000 - \$10,000

☐ \$10,000 - \$20,000

☐ \$20,000 - \$30,000

☐ Over \$30,000

Discount

☐ 5% or More

☐ 10% or More

☐ 20% or More

☐ 30% or More

☐ 50% or More

☐ 60% or More

Offers

☐ Exchange Offer

☐ No Cost EMI

☐ Special Price

Cash On Delivery

☐ Eligible for Cash On Delivery

New Arrivals

☐ Last 30 days

☐ Last 90 days

Availability

☐ Exclude Out of Stock

Single Page



LG 260 L 3 Star Frost-Free Double-Door Refrigerator

\$220.00 ~~\$259.00~~ Free delivery

Cash on Delivery Eligible.

Shipping Speed to Delivery.

EMI starts at \$958.

3 offers from \$220.00

Free standard installation within 48 hours of delivery

- Frost Free Double Door: Auto defrost to stop ice-build up
- Capacity 260 L: Suitable for families with 2 to 3 members
- Energy Rating: 3 Star
- Warranty: 1 year warranty on product and 10 years warranty on compressor
- Shelf Type: Toughened Glass to withstand the weight of heaviest vessels
- Inverter Compressor: Energy efficient, less noise & more durable
- Also included in the box: User manual, Warranty card

Net banking & Credit/ Debit/ ATM card

ADD TO CART

PAYMENT

[HOME](#) | [PAYMENT PAGE](#)

Payment

Cash on delivery (COD)

Credit/Debit

Net Banking

Paypal Account

Name on Card

John Smith

Card Number

**** * * * *

CVV

Expiration Date

MM / YY

Make a payment

Smooth, Rich & Loud Audio
Branded Headphones

Sale up to 25% off all in store.



A Bigger Phone:
Smart Phones 5

Free shipping order over \$100.






SHOPPING CART



[HOME](#) | [CHECKOUT](#)

Checkout

Your shopping cart contains: 3 Products

SL No.	Product	Quality	Product Name	Price	Remove
1		<div>- 1 +</div>	Back Cover	Rs.1200	<div>ⓧ</div>
2		<div>- 1 +</div>	Cordless Trimmer	Rs.50000	<div>ⓧ</div>
3		<div>- 1 +</div>	Nikon Camera	Rs.140000	<div>ⓧ</div>

Add a new Details

Full Name

Mobile Number

Landmark

Town/City

Select Address type

Delivery to this Address

Make a Payment 

ABOUT US

HOME | ABOUT US

About Us

About Lasani Electro Store

Lasani electro store is a rapidly growing online shopping platform which aims to reshape the local e-commerce industry by offering a diverse assortment of top international brands while remaining aligned with the preferences of the Pakistani demographic. A one-stop-shop that you'll ever need to visit for your fashion, technological and lifestyle needs, lasani is the pioneer in offering 100% genuine and brand new imported products directly shipped from its warehouses located globally. Our objective is to offer customers a convenient, dependable and seamless shopping experience with the biggest range of high-quality products belonging to international brands. Through our platform, we envisage elimination of the barriers that, over the years, have kept local shoppers from consuming international brands..



Our Customers Says

"Great service. Took time to explain the options. Very professional yet friendly. Highly recommend to anyone."

Muhammad Amir
From Allipur

"Great retail store . Friendly staff . Great choice of stock. I have been shopping here for years. Thank you."

Amir iqbal
From Kehrora paka

"Great shop - staff very friendly and knowledgeable. Wide array of products and good price range 🙌 will be sure to revisit."

Abdul Wajid
From Bahawalpur

"Great genuine retail store and online website. As a woman, This store has helped me over the years. Looking for awesome Appliances and tech tools to my house. They have never let me down.. Friendly knowledgeable staff."

Madiha ikram
From Bahawalpur

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Contact Us



Address

shadab colony, Bahawalpur,



Call Us

0314-6864327
0304-7483801



Email

talhanaseer78@gmail.com
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Name

E-mail

Message

Submit



Online Electronic Store Management System

CHAPTER 4 CONCLUSION

The project entitled **Lasani Electronic Store** was completed successfully.

The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a web application for purchasing items from a shop.

This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using html & css, usage of responsive

templates, designing of web applications. The entire system is secured. Also the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project.

This project has given us great satisfaction in having designed an application which can be implemented to any nearby shops or branded shops selling various kinds of products by simple modifications.

There is a scope for further development in our project to a great extend. A number of features can be added to this system in future like providing moderator more control over products so that each moderator can maintain their own products. Another feature we wished to implement was providing classes for customers so that different offers can be given to each class. System may keep track of history of purchases of each customer and provide suggestions based on their history. These features could have implemented unless the time did not limited us.