

DBMS MINI PROJECT REPORT ON
“ONLINE SHOPPING SYSTEM”

ABSTRACT

The project objective is to order products online. The Online Shopping System is an online application that can be accessed by the customers. This application will order the products.

Employee or the Customer is required to login via his credentials and add products to the cart.

The Administrator has the whole control of the application. He can add the products to the cart, update the cart available in the application, deploy accounts for the employees and manage the transactions.

This way of ordering is much easier and faster way to meet the speed go the current generation.

INDEX

CONTENTS

| | |
|---|--|
| 1 | Introduction |
| 2 | Literature Survey |
| 3 | System Requirements: Hardware requirements Software requirements |
| 4 | Design: Extended Entity-Relationship Diagram Entity-Relationship Diagram Schema Diagram |
| 5 | Implementation with screenshots |
| 6 | Conclusion & Future Enhancement |
| 7 | References |

INTRODUCTION

This project is a web-based shopping system for an existing shop. The project objective is to deliver the online shopping application into web platform.

This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using web application. Thus the customer will get the service of online shopping and home delivery of his favourite products.

This system can be implemented to any shop in the locality or to multinational branded item having retail outlet chains. This project provides an online portal where the customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipkart or ebay. Since the application is available in the smartphone browser as well, it is easily accessible and always available to the customer at any time.

LITERATURE SURVEY

XAMPP is one of the widely used cross-platform web servers, which helps developers to create and test their programs on a local web server. It was developed by the Apache Friends, and its native source code can be revised or modified by the audience. It consists of Apache HTTP Server, MariaDB, and interpreter for the different programming languages like PHP. It is available in 11 languages and supported by different platforms such as the IA-32 package of Windows & x64 package of macOS and Linux.

XAMPP is an abbreviation where X stands for Cross-Platform, A stands for Apache, M stands for MYSQL, and the PP stand for PHP and Perl, respectively. It is an open-source package of web solutions that includes Apache distribution for many servers and command-line executables along with modules such as Apache server, MariaDB, PHP, and Perl. XAMPP helps a local host or server to test its website and clients via computers and laptops before releasing it to the main server. It is a platform that furnishes a suitable environment to test and verify the working of projects based on Apache, Perl, MySQL database, and PHP through the system of the host itself.

Among these technologies, Perl is used for web development, PHP is a backend scripting language, and MariaDB is the most widely used database developed by MySQL.

The detailed description of these components is given below.

PhpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web.

PhpMyAdmin supports a wide range of operations on MySQL and MariaDB. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc) can be performed via the user interface.

PhpMyAdmin is a free and open source software that lets you handle the administration of MySQL over the web. You can easily manage the database through a graphic user interface known as phpMyAdmin in this case. phpMyAdmin is written in PHP and has gained a lot of popularity in terms of web-based MySQL management solution. You can perform operations on MySQL via phpMyAdmin user interface while you can still directly execute SQL queries.

And it lets you carry out operations like editing, creating, dropping, amend MySQL database, alter fields, tables, indexes, etc. In fact, which user should be given what privileges, you can manage that too. phpMyAdmin has huge multi-language community support.

SYSTEM REQUIREMENTS

Hardware Requirements:


- Pentium IV Processor or better
- 512MB RAM or more
- Internet Connection

Software Requirements:


- Operating System: MacOS X / Windows XP or Higher
- Software: XAMPP
- Database: phpMyAdmin

TABLE DESIGN


Admin_info

| # | Name | Type |
|---|--|--------------|
| 1 | admin_id  | int(10) |
| 2 | admin_name | varchar(100) |
| 3 | admin_email | varchar(300) |
| 4 | admin_password | varchar(300) |


Category

| # | Name | Type |
|---|--|----------|
| 1 | cat_id  | int(100) |
| 2 | cat_title | text |

Brands

| # | Name | Type |
|---|--|----------|
| 1 | brand_id  | int(100) |
| 2 | brand_title | text |

Email_Info

| # | Name | Type |
|---|--|----------|
| 1 | email_id  | int(100) |
| 2 | email | text |

Cart

| # | Name | Type |
|---|--|--------------|
| 1 | id  | int(10) |
| 2 | p_id | int(10) |
| 3 | ip_add | varchar(250) |
| 4 | user_id | int(10) |
| 5 | qty | int(10) |

Orders

| # | Name | Type |
|---|--|--------------|
| 1 | order_id  | int(11) |
| 2 | user_id | int(11) |
| 3 | product_id | int(11) |
| 4 | qty | int(11) |
| 5 | trx_id | varchar(255) |
| 6 | p_status | varchar(20) |

Products

| # | Name | Type |
|---|------------------|--------------|
| 1 | product_id 🔑 | int(100) |
| 2 | product_cat | int(100) |
| 3 | product_brand | int(100) |
| 4 | product_title | varchar(255) |
| 5 | product_price | int(100) |
| 6 | product_desc | text |
| 7 | product_image | text |
| 8 | product_keywords | text |

User_Info

| # | Name | Type |
|---|------------|--------------|
| 1 | user_id 🔑 | int(10) |
| 2 | first_name | varchar(100) |
| 3 | last_name | varchar(100) |
| 4 | email | varchar(300) |
| 5 | password | varchar(300) |
| 6 | mobile | varchar(10) |
| 7 | address1 | varchar(300) |
| 8 | address2 | varchar(11) |

Logs

| # | Name | Type |
|---|---------|-------------|
| 1 | id 🔑 | int(11) |
| 2 | user_id | varchar(50) |
| 3 | action | varchar(50) |
| 4 | date | datetime |

Order_Products

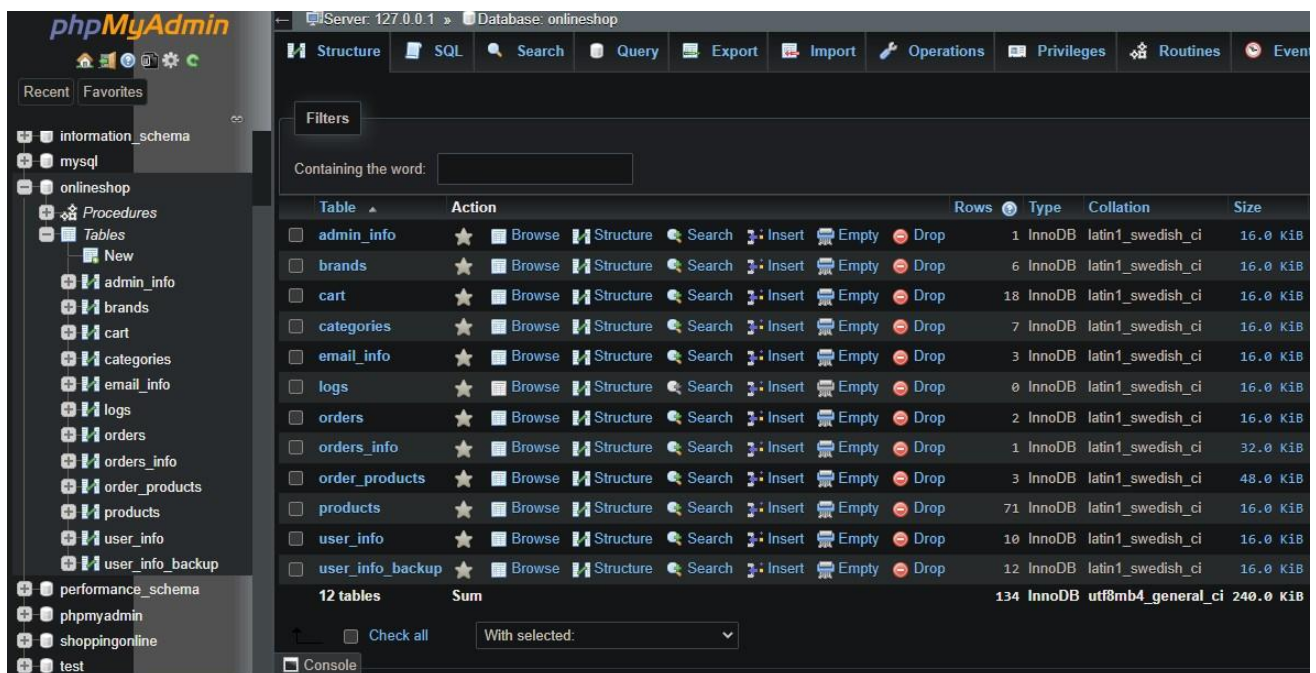
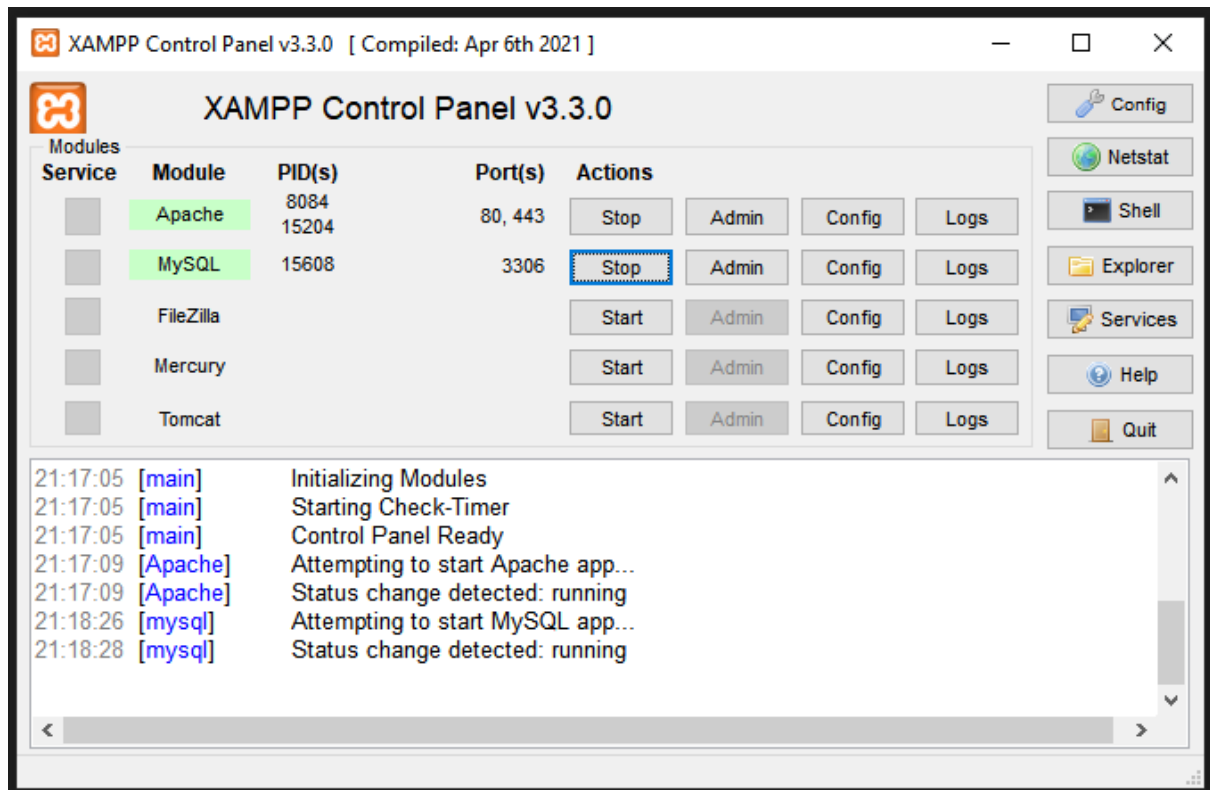
| # | Name | Type |
|----|------------|--------------|
| 1 | order_id 🔑 | int(10) |
| 2 | user_id 🔑 | int(11) |
| 3 | f_name | varchar(255) |
| 4 | email | varchar(255) |
| 5 | address | varchar(255) |
| 6 | city | varchar(255) |
| 7 | state | varchar(255) |
| 8 | zip | int(10) |
| 9 | cardname | varchar(255) |
| 10 | cardnumber | varchar(20) |
| 11 | expdate | varchar(255) |
| 12 | prod_count | int(15) |
| 13 | total_amt | int(15) |

ENTITY - RELATIONSHIP DIAGRAM

ONLINE SHOPPING SYSTEM ER DIAGRAM



IMPLEMENTATION WITH SCREENSHOTS




Online Shop

All CategoriesSearch hereSearch

My AccountYour Cart

HomeElectronicsLadies WearsMens WearKids WearFurnituresHome AppliancesElectronics Gadgets



Extended Festive Offers
30-80% OFF
Furniture & Mattresses
6th-10th Nov

10% Instant Discount*
on Credit & Debit Cards
Extra savings* with EMI transactions

10% Cashback*
on Credit Cards
Extra savings* with EMI transactions


Laptop Collection
SHOP NOW

Accessories Collection
SHOP NOW


Cameras Collection
SHOP NOW

NEW PRODUCTS


LaptopsSmartphonesCamerasAccessories




MENS WEAR
BOYS JEANS PANT
399\$999.00
★★★★★



ELECTRONICS
SAMSUNG GALAXY S7
5000\$999.00
★★★★★




ELECTRONICS GADGETS
SONY HEADPHONES
3500\$999.00
★★★★★




ELECTRONICS GADGETS
SAMSUNG HEADPHONES
3500\$999.00
★★★★★

TOP SELLING


FormalsShirtsT-ShirtsPants




MENS WEAR
BOYS SHIRTS
855\$999.00
★★★★★



MENS WEAR
BOYS SHIRTS
150\$999.00
★★★★★



MENS WEAR
BOYS SHIRTS
215\$999.00
★★★★★



MENS WEAR
BOYS SHIRTS
299\$999.00
★★★★★

Sign Up for the **OFFERUPDATES**

Enter Your Email

Subscribe



ABOUT US

This is our Database Management System mini project



Copyright ©2022 All rights reserved

CATEGORIES

Mobiles

Men

Women

Kids

Accessories

[Home](#)

[Electronics](#)

[Ladies Wears](#)

[Mens Wear](#)

[Kids Wear](#)

[Furnitures](#)

[Home Appliances](#)

[Electronics Gadgets](#)

CATEGORIES

Electronics (20)

Ladies Wears (7)

Mens Wear (26)

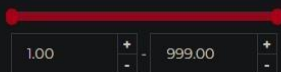
Kids Wear (7)

Furnitures (1)

Home Appliances (7)

Electronics Gadgets (3)

PRICE



SORT BY: Popular

SHOW: 20



HOME APPLIANCES

REFRIGERATOR

35000\$990.00

★★★★★



HOME APPLIANCES

EMERGENCY LIGHT

1000\$990.00

★★★★★



HOME APPLIANCES

VACCUUM CLEANER

6000\$990.00

★★★★★



[Home](#)

[Electronics](#)

[Ladies Wears](#)

[Mens Wear](#)

[Kids Wear](#)

[Furnitures](#)

[Home Appliances](#)

[Electronics Gadgets](#)



SAMSUNG GALAXY S7 EDGE

★★★★☆ 10 Review(s) | Add your review

\$5000\$990.00 **IN STOCK**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

SIZE X

COLOR Red










QTY

ADD TO CART

ADD TO WISHLIST ADD TO COMPARE

CATEGORY: HEADPHONES ACCESSORIES

SHARE: f t G+ e

| Product | | Price | Quantity | Subtotal | |
|---|--|-------|----------|--------------------|---|
|  boys Jeans Pant | Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, | 460 | 1 | 460 |   |
|  Emergency Light | Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, | 1000 | 1 | 1000 |   |
|  Samsung galaxy s7 edge | Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, | 5000 | 1 | 5000 |   |
| < Continue Shopping | | | | Total : \$ 6460 | Ready to Checkout |

Register Here

Billing Address

Full Name

Arun H

Email

arunh@gmail.com

Address

Hiriyur

City

Hebbali

State

Karnataka

Zip

562098

☒ Shipping address same as billing

Payment

Accepted Cards



Name on Card

Arun H

Card Number

1234876532561726

Exp Date

12/24

CVV

111

Cart

3

| no | product title | qty | amount |
|----|------------------------|-----|--------|
| 1 | boys Jeans Pant | 1 | 460 |
| 2 | Emergency Light | 1 | 1000 |
| 3 | Samsung galaxy s7 edge | 1 | 5000 |

total

\$6460

Login Here

Email

vinayak@gmail.com

Password

.....|

[forget password ?](#)

LOGIN

CONCLUSION AND FUTURE ENHANCEMENTS

Conclusion:

The 'Online Shopping' is designed to provide a web based application that would make searching, viewing and selection of a product easier. 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. The user can register an account and keep track of the cart products. They can place orders by providing details. The entire system is secured as well. This project thus provides convenient way of online shopping.

Scope for future development:

There is a scope for further development in our project to a great extent. Several features can be added to this system in future like 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. Users can have multiple shipping and billing information saved as well. These many features can be implemented in the future.

REFERENCES

- 1) Fundamentals of Database Systems - Ramez Elmasri and Shamkant B. Navathe, 7th Edition, 2017, Pearson
- 2) w3schools.com – SQL course
- 3) Designing web pages course on Udemy
- 4) Wikipedia.org
- 5) StackOverflow questions and solutions