MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Skill Based Mini Project Report

on

ONLINE SHOPPING MANAGEMENT SYSTEM

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Submitted to:

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Sanskar Jain** (0901CS201108) has submitted the project report titled **Online Shopping Management System** under the mentorship of **Ms. Jaimala Jha**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

Prof. Jaimala Jha
Faculty Mentor
Assistant Professor
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DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Ms. Jaimala Jha, Assistant professor, CSE.**

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

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I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for her continued support during the course of this engagement, which eased the process and formalities involved.

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ABSTRACT

This project is a web-based shopping system for an existing shop. The project objective is to deliver the online shopping application . Online shopping is the process whereby consumers directly buy goods or services from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. 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 an android device. Thus, the customer will get the service of online shopping and home delivery from his favourite shop.

If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipcart or ebay. Since the application is available in the Smartphone it is easily accessible and always available.

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Chapter 1: INTRODUCTION

E-commerce is fast 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. The objective of this project is to develop a general purpose e-commerce store where any product (such as books, CDs, computers, mobile phones, electronic items, and home appliances) can be bought from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with an online book store. An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as credit card number. An e- mail notification is sent to the customer as soon as the order is placed.

CHAPTER 2:PROJECT OBJECTIVE

The objective of the project is to make an application in android platform to purchase items in an existing shop. In order to build such an application complete web support, need to be provided. A complete and efficient web application which can provide the online shopping experience is the basic objective of the project. The web application can be implemented in the form of an android application with web view.

CHAPTER 3:PROJECT OVERVIEW

The central concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store. The information pertaining to the products are stores on an RDBMS at the server side (store).

The Server process the customers and the items are shipped to the address submitted by them. The application was designed into two modules first is for the customers who wish to buy the articles. Second is for the storekeepers who maintains and updates the information pertaining to the articles and those of the customers. The end user of this product is a departmental store where the application is hosted on the web and the administrator maintains the database. The application which is deployed at the customer database, the details of the items are brought forward from the database for the customer view based on the selection through the menu and the database of all the products are updated at the end of each transaction. Data entry into the application can be done through various screens designed for various levels of users. Once the authorized personnel feed the relevant data into the system, several reports could be generated as per the security.

CHAPTER 4:TECHNOLOGY USED

MySQL:

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. MySQL is becoming so popular because of many good reasons −

- MySQL is released under an open-source license. So you have nothing to pay to use it.
- MySQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages.
- MySQL uses a standard form of the well-known SQL data language.
- MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc.
- MySQL works very quickly and works well even with large data sets.
- MySQL is very friendly to PHP, the most appreciated language for web development.
- MySQL supports large databases, up to 50 million rows or more in a table. The default file size limit for a table is 4GB, but you can increase this (if your operating system can handle it) to a theoretical limit of 8 million terabytes (TB).
- MySQL is customizable. The open-source GPL license allows programmers to modify the MySQL software to fit their own specific environments.

CHAPTER 5: SCOPE

An online shopping system is a process in which people (specifical customers) are being provided with the option of purchasing goods and services directly from the seller, all in a real-time environment. Online shopping is an application of the internet as electronic commerce. From the business perspective, customers usually find the products more attractive, on websites, as they get all the details available there.

People in large number are doing online shopping today, and it is not only because it is convenient as one can shop from home, but also because there is an ample number of varieties available, with a high competition of prices, and also it is easy to navigate for searching regarding any particular item.

For sellers, their product has access to the World-Wide market, which also increases the number of customers and enhances customer relationships. Also, web stores are a means for small-scale companies to launch their products at the global level. The main objective of this project is to develop a web-oriented application that can provide an online shopping feature to users.

In other words, the project aimed at creating a virtual shop environment for users, in some handy form, which will be available to them through the internet. Although the idea of developing online shopping websites is not new in the electronic market and has been evolved soon after the World Wide Web(www).

CHAPTER 6: BENEFITS

Some of the benefits of Online shopping management system are:

- Saves time and efforts.
- The convenience of shopping at home.
- Wide variety/range of products are available.
- Good discounts / lower prices.
- Get detailed information about the product.
- We can compare various models/brands.

No pressure shopping

- Generally, in physical stores, the sales representatives try to influence the buyers to buy the product. While in online shopping, you're free to do as you will.

Online shopping saves time

- Customers do not have to stand in queues in cash counters to pay for the products that have been purchased by them. They can shop from their home or workplace and do not have to spend time travelling.

Comparisons

- There is a wide range of products online. The sellers display all the stuff they've got. This enables the buyers to choose from a variety of models after comparing the finish, features, and price of the products on display.

Availability

- The mall is open on 365 x 24 x 7. So, time does not act as a barrier, wherever the vendor and buyers are.

Online tracking

- Online consumers can track the order status and delivery status tracking of shipping is also available.

Online shopping saves money

- To attract customers to shop online, e-retailers and marketers offer discounts to the customers as they have cut down on real estate and maintenance cost the sellers won't back out in giving huge discounts.

CHAPTER 7: SQL CODE IMPLEMENTATION

7.1: Create Table

User Details:

```
1  create table userdetail(
2  uid int(11) primary key,
3  uloginname varchar(50) not null,
4  uemailid varchar(50) not null,
5  umobno varchar(50) not null
6  );
7
```

Product Detail:

```
1  create table product_details(
2  id int(11) primary key,
3  name varchar(50) not null,
4  description varchar(500) not null,
5  price varchar(50) not null,
6  photo varchar(100) not null
7  );
8
```

Product Order:

```
1  create table product_orders(
2  id int(11) primary key,
3  product_id int(11) ,
4  userid int(11) not null,
5  dilever_address varchar(500),
6  foreign key(product_id) references product_details(id),
7  foreign key(userid) references userdetail(uid)
8  );
9
```

7.2: Database Tables

- USER DETAILS

userdetails

Field Name	Field Type	Default	AllowNull	PriKey	Extra
uid	int(11) FIRST		NO	YES	
uloginname	varchar(50) AFTER `uid`		NO	NO	
uemailid	varchar(100) AFTER `uloginname`		NO	NO	
umobno	varchar(30) AFTER `uemailid`		NO	NO	

- PRODUCT DETAILS

product_details

Field Name	Field Type	Default	AllowNull	PriKey	Extra
id	int(11) FIRST		NO	YES	auto_increment
name	varchar(100) AFTER `id`		NO	NO	
description	varchar(500) AFTER `name`		YES	NO	
price	varchar(50) AFTER `description`		YES	NO	
photo	varchar(100) AFTER `price`		YES	NO	

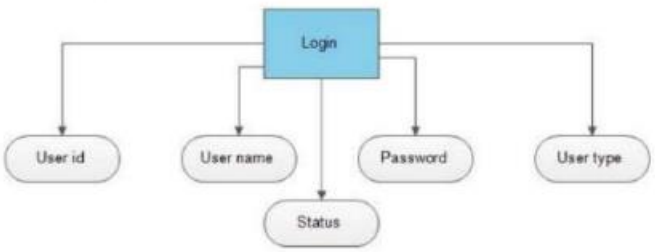
- PRODUCT ORDERS

product_orders

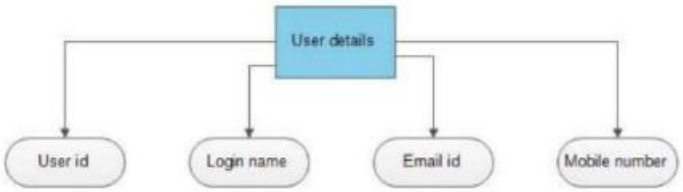
Field Name	Field Type	Default	AllowNull	PriKey	Extra
id	int(11) FIRST		NO	YES	auto_increment
product_id	int(11) AFTER `id`		NO	NO	
user_id	int(11) AFTER `product_id`		NO	NO	
deliver_address	varchar(500) AFTER `user_id`		YES	NO	

7.3: ER Diagrams

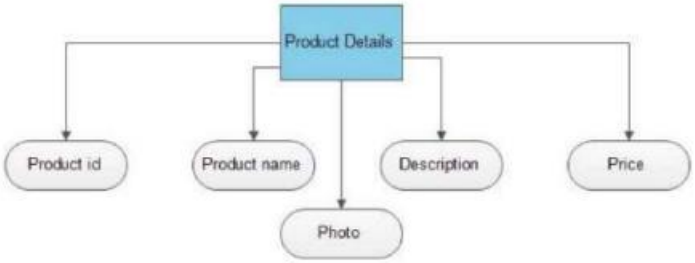
➢ LOGIN



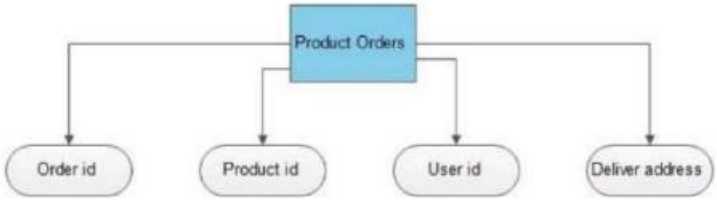
➢ USER DETAILS



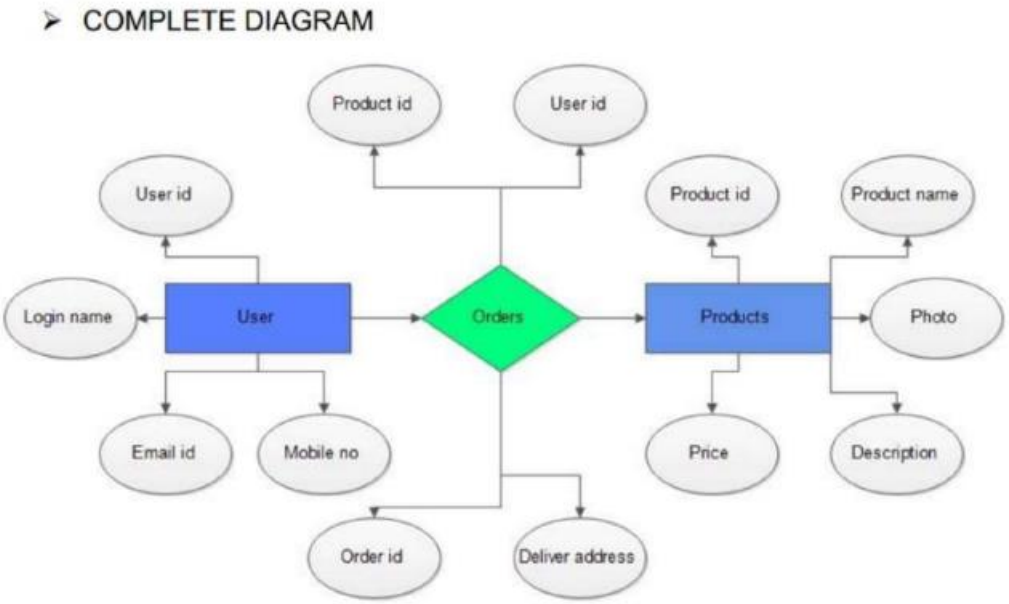
➢ PRODUCT DETAILS



➢ PRODUCT ORDERS



CHAPTER 7: RESULTS AND CONCLUSION



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.

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