Department of Information Technology
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Project Based
ON
E_Commerce_Management _System

Student name
1. Siddesh Kankrale
2. Rushikesh khairnar
3. Om jadhav
4. Anshul keng

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Abstract

Electronic Commerce is process of doing business through computer networks. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the products.

Unlike traditional commerce that is carried out physically with effort of a person to go & get products, ecommerce has made it easier for human to reduce physical work and to save time.   E-Commerce which was started in early 1990's has taken a great leap in the world of computers, but the fact that has hindered the growth of e-commerce is security. Security is the challenge facing e-commerce today & there is still a lot of advancement made in the field of security.

The main advantage of e-commerce over traditional commerce is the user can browse online shops, compare prices and order merchandise sitting at home on their PC.

For increasing the use of e-commerce in developing countries the B2B e-commerce is implemented for improving access to global markets for firms in developing countries. For a developing country advancement in the field of e-commerce is essential. The research strategy shows the importance of the e-commerce in developing countries for business applications.

INTRODUCTION

Database is an organized collection of data. The data is typically organized to model aspects of reality in a way that supports processes requiring information. A DBMS makes it possible for end users to create, read, update and delete data in a database. The DBMS essentially serves as an interface between the database and end users or application programs, ensuring that data is consistently organized and remains easily accessible. The DBMS manages three important things: the data, the database engine that allows data to be accessed, locked and modified and the database schema, which defines the database's logical structure. These three foundational elements help provide concurrency, security, data integrity and uniform administration procedures. The DBMS can offer both logical and physical data independence. That means it can protect users and applications from needing to know where data is stored or having to be concerned about changes to the physical structure of data

Defination of E-commerce

Electronic commerce or ecommerce is a term for any type of business, or commercial transaction, that involves the transfer of information across the Internet. It covers a range of different types of businesses, from consumer based retail sites, through auction or music sites, to business exchanges trading goods and services between corporations. It is currently one of the most important aspects of the Internet to emerge.
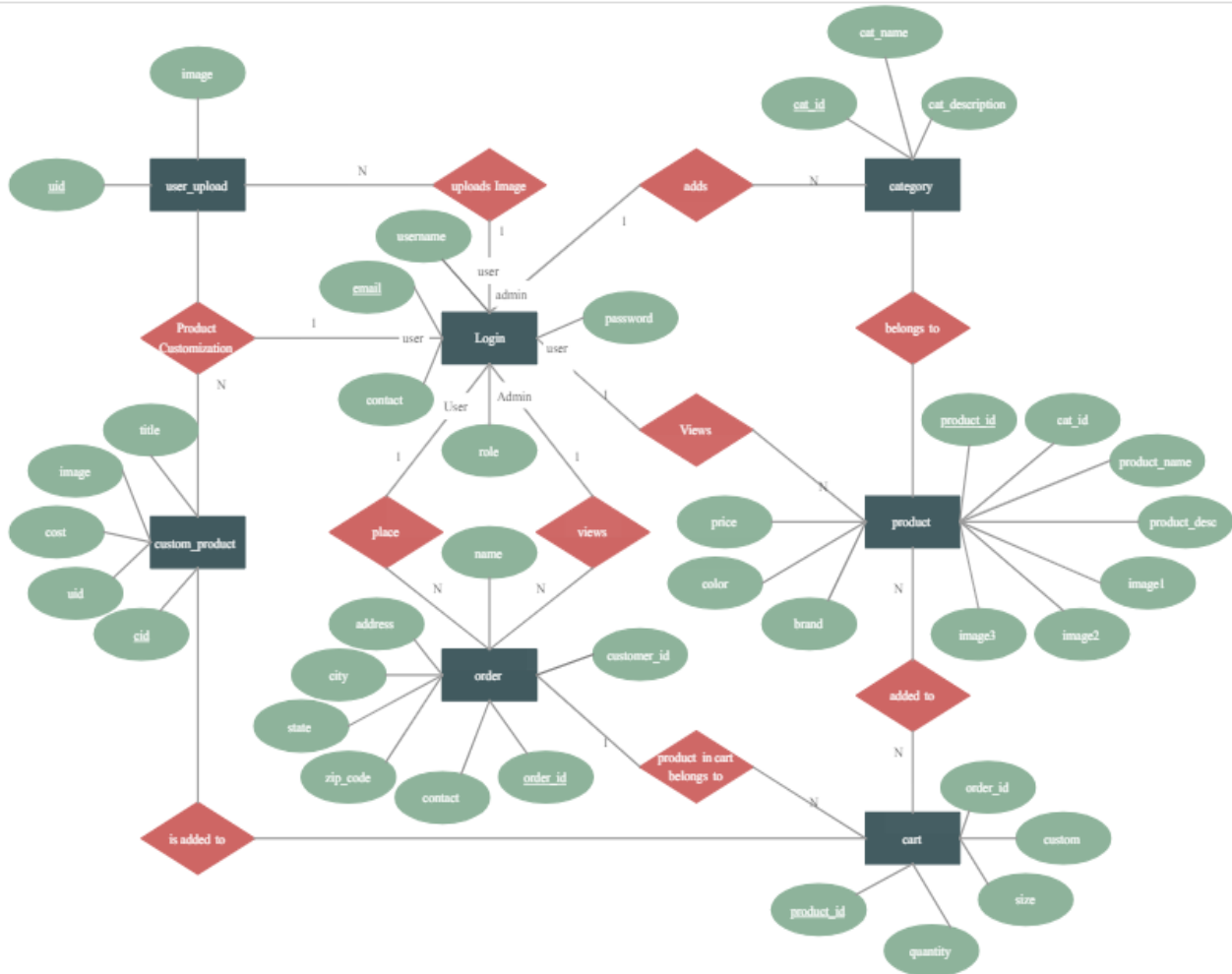
Working of E-COMMERCE

The consumer moves through the internet to the merchant's web site. From there, he decides that he wants to purchase something, so he is moved to the online transaction server, where all of the information he gives is encrypted. Once he has placed his order, the information moves through a private gateway to a Processing Network, where the issuing and acquiring banks complete or deny the transaction. This generally takes place in no more than 5-7seconds..
There are many different payment systems available to accommodate the varied processing needs of merchants, from those who have a few orders a day to those who process thousands of transactions daily. With the addition of Secure Layer Technology,E-C0mmerce is also a very safe way to complete transactions .

LIST OF ENTITIES & ATTRIBUTES

ENTITIES	ATTRIBUTES
Addministrator	admin_id, Admin_name, admin_type, admin_login.
Product	product_id, product_name, product_price, product_ratings.
Payment	Payment_id, payment_mathod, payment_status, price.
Feedback	feedback_id, product_id, coustomer_id.
Coustomer	Coustomer_id, coustomer_name, password, coustomer_login.

ER_DIAGRAM

NORMALIZATION & FINAL LIST OF RELATIONS

ENTITIES	ATTRIBUTES
Addministrator	admin_id, Admin_name, admin_type, admin_login.
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Addministrator

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Product

product_id	product_name	product_price	product_ratings

Payment

payment_id	payment_mathod	payment_status	price

Feedback

feedback_id	product_id	coustomer_id

Coustomer

coustomer_id	coustomer_name	password	coustomer_login

CREATE & INSERT SQL QUERIES

create database **E_COMMERCE_MANAGEMENT_SYSTEM**;
use E_commerce _MANAGEMENT_SYSTEM;

create table Addministrator (
-> admin_id int ,
-> admin_name varchar(15),
-> admin_type varchar(15),
-> admin_login varchar(14));

create table Product (
-> product_id int,
-> product_name varchar(30),
-> product_price int,
-> product_ratings varchar(50));

create table Payment (
-> payment_id int,
-> payment_mathod varchar(30),
-> payment_status varchar(12),
-> price int);

create table Feedback (
-> feedback_id int,
-> product_id int,
-> coustomer_id int);

create table Coustomer (

```
-> coustomer_id int,
-> coustomer_name varchar(30),
-> password int,
-> coustomer_login varchar(50));
```

Insert SQL Queries

```
insert into administrator(admin_id, admin_name, admin_type,
admin_login)values(12345,'Siddesh','Premium','Yes'),
(23456,'Om','Premium','Yes'),
(34567,'Niraj','Regular','No'),
(45678,'Raj','Premium','Yes');

insert into product(product_id, product_name, product_price, product_ratings)values(98765, 'samsung
23', 5000, 'Excellent'),
(87654, 'realme', 4000, 'good'),
(76543, 'oneplus', 8000, 'good'),
(65432, 'redmi', 5500, 'average');

insert into payment(payment_id, payment_mathod, payment_status, price)values(23453, 'UPI', 'done',
10000),
(65434, 'Amazon pay', 'no', 9000)'
(87656, 'Paytm', 'done', 8000),
(76554, 'UPI', 'no', 6000);

insert into feedback(feedback_id, product_id, coustomer_id)values(234,334,463),(282,876,987),
(765,869,998),(765,987,678);

insert into coustomer(coustomer_id, customer_name, password, coustomer_login)values(456,
'siddesh', '@123', 'yes'),
(987, 'om', '@324', 'no'),
(876, 'raj', '@876', 'yes');
```

CONCLUSION

E-Commerce refers to all forms of business activities across the internet. This can include E-tailing, B2B, intranets and extranets, online advertising, and simply online presence of any form that are used for some type of communication. E-Commerce has several advantages and disadvantages as indicated in these papers.

E-Commerce applications that started in early 1970's needs to be still developed in terms of security and efficiency. For the developing country like our India advancement in e-commerce is a challenge to compete with the developed countries.