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MID TERM REPORT

ON

E-COMMERCE WEBSITE

SUBMITTED TO:

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ABSTRACT

Electronic commerce, commonly written as e-commerce, is the trading or facilitation of trading in products or services using computer networks, such as the Internet. Electronic commerce draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange (EDI), inventory management systems, and automated data collection systems. Modern electronic commerce typically uses the World Wide Web for at least one part of the transaction's life cycle, although it may also use other technologies such as e-mail

INTRODUCTION

1.1) **General Introduction of the topic:** Internet is the rapidest growing media during the past decade. Especially, online shopping is a rapidly growing e commerce area.

Online shopping basically provides the way consumers go shopping and purchase services and good with reasonable price on Internet. For some consumers, shopping and purchasing online have become part of their daily lives, while others may not even care about it.

1.2) **Area of Computer Science:** E-commerce website is that side of the computer science which can be accessed through web.

1.3) **Hardware and Software Requirements:**

Hardware:

Processor: Intel Core i3-7200U (7th Gen)

Processor Speed: 2.5GHz

RAM: 2 GB

Device: PC, Smartphone

Hard Disk: 20GB of free space

Software:

Web Browser: Any Browser (HTML 5)

Text Editor: Sublime Text Editor

XAMPP

Problem Definition

E-commerce provides an easy way to sell products to a large customer base. However, there is a lot of competition among multiple e-commerce sites. Where users land on e-commerce site, they expect to find what they are looking for quickly and easily. Also users are not sure about the brands or the actual products they want to purchase. They have a very broad idea about what they want to buy. Many customers nowadays search for their products on Google rather than visiting specific e-commerce sites. They believe that Google will take them to the e-commerce sites that have their product. The purpose of any e-commerce website is to help customers narrow down their broad ideas and enable them to finalize their products they want to purcha

OBJECTIVES

E-commerce is a route for purchasing goods and services online. The money transactions are done through online thus leads to the digital economy. One research data to know is that 80% of online users buy their products in an online store than a physical store. As per statistics, \$4.5 trillion in sales are expected by 2021. That's why e-commerce is hectic and notorious nowada

METHODOLOGY

DFD LEVEL0

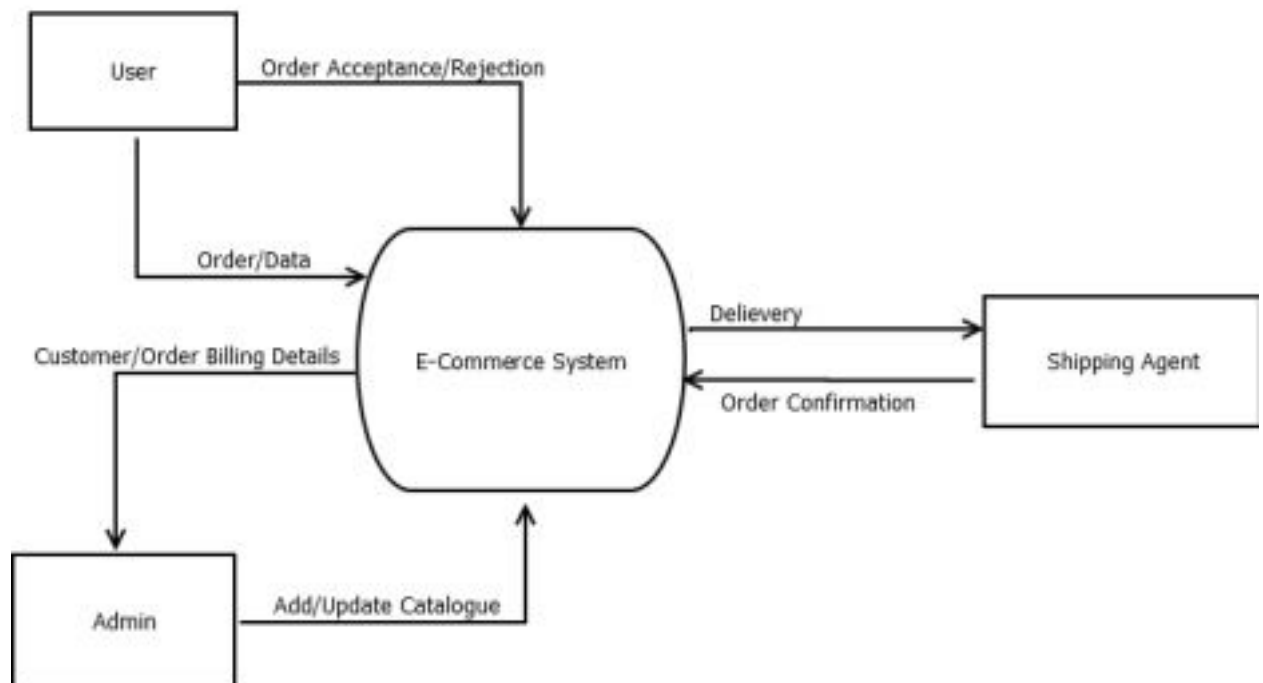


FIG – DFD LEVEL0

The system is recognized as a complete system “E-Commerce System,
Admin, Users, Shipping Agent are the main actors for this sytem

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DFD LEVEL1

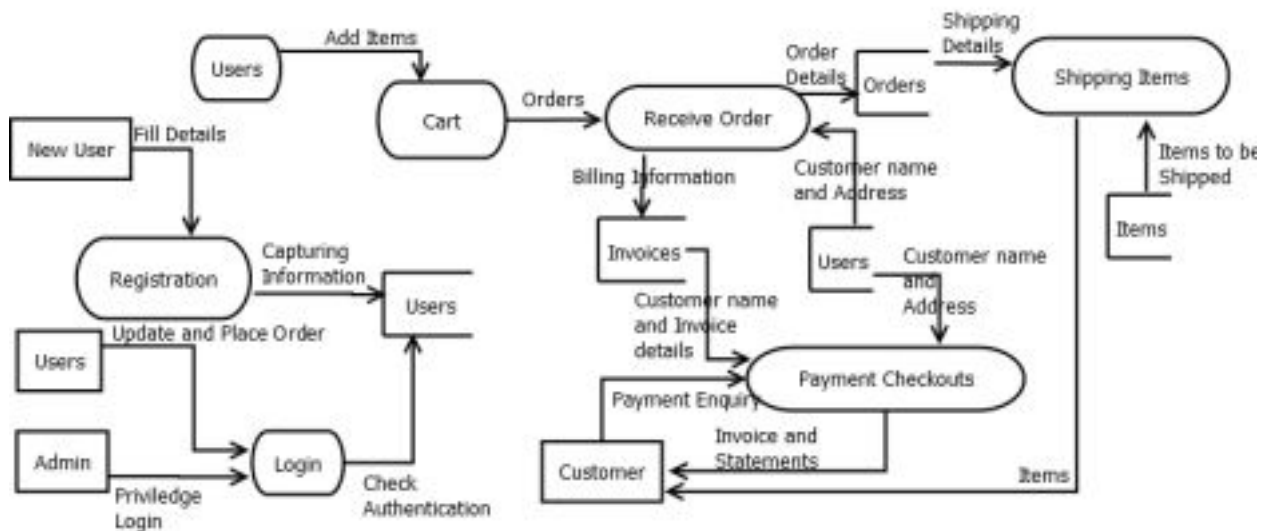


FIG – DFD LEVEL1

User can Log-in, add, remove items to cart, register, pay. Admin can have privileged login, they can change, modify catalogue, maintain user date. After adding items to cart they can make order. The orders are stored in order database. The orders are processed and items from the warehouse are delivered to customer by shipping agent.

IMPLEMENTATION DETAILS

The back-end of the website is implemented through PHP and MySQL. I have used XAMPP to run PHP and MySQL. Also some part of the PHP code is done with the help of codeigniter.

The front-end of the website is implemented through HTML and CSS. I have also used Bootstrap to implement the CSS in our code

CONTRIBUTION DETAILS

Myself is creating the back-end of the website i.e., creating the database through MySQL and scripting the website through PHP. is creating the front-end of the website using the technologies HTML, CSS and the CSS framework i.e., Bootstra

PROGRESS TILL DATE AND REMAINING WORK


Completed part of the project:I have completely made the database of the website. Also the authentication pages i.e., Login, Logout and Signup pages have been created

Remaining part of the project: The homepage of the website and the product page is left. Also the implementation of the payment gateway is left.

Login Page

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SignUp Page



The image shows a 'Member Signup' form with the following fields and elements:

- Member Signup** (Title)
- Your Name *** (Text input field)
- Your Email *** (Text input field)
- Create a Password *** (Text input field)
- Please Retype Your Password** (Text input field)
- By signing up to this service, you are indicating that you have read and agreed to the [Terms of Service](#)
- Sign Up** (Blue button)

Database of the Website(EC):-

Table	Action	Rows	Type	Collation	Size	Overhead
category		0	InnoDB	latin1_swedish_ci	16 K18	-
orderdetails		0	InnoDB	latin1_swedish_ci	16 K18	-
orders		0	InnoDB	latin1_swedish_ci	16 K18	-
payment		0	InnoDB	latin1_swedish_ci	16 K18	-
product		0	InnoDB	latin1_swedish_ci	16 K18	-
shippers		0	InnoDB	latin1_swedish_ci	16 K18	-
suppliers		0	InnoDB	latin1_swedish_ci	16 K18	-
users		1	InnoDB	latin1_swedish_ci	16 K18	-
8 tables	Sum	1	InnoDB	latin1_swedish_ci	128 K18	0 B

Tables

1.) Category

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	categoryid	int(11)			No	None		AUTO_INCREMENT	
2	categoryname	varchar(50)	latin1_swedish_ci		No	None			
3	categorydescription	varchar(255)	latin1_swedish_ci		No	None			
4	picture	varchar(100)	latin1_swedish_ci		No	None			
5	active	int(11)			No	None			

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2.) OrderDetails

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	orderid	int(11)			No	None			
2	productid	int(11)			No	None			
3	ordernumber	int(11)			No	None			
4	price	int(11)			No	None			
5	quantity	int(11)			No	None			
6	discount	int(11)			No	None			
7	total	int(11)			No	None			
8	ideku	varchar(50)	latin1_swedish_ci		No	None			
9	size	varchar(50)	latin1_swedish_ci		No	None			
10	color	varchar(50)	latin1_swedish_ci		No	None			
11	fulfilled	int(11)			No	None			
12	shipdate	date			No	None			
13	orderdetailid	int(11)			No	None		AUTO_INCREMENT	
14	billdate	date			No	None			

3.) Orders

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	orderid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	customerid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	ordernumber	int(11)			No	None			Change Drop More
<input type="checkbox"/> 4	paymentid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 5	ordertime	date			No	None			Change Drop More
<input type="checkbox"/> 6	shipdate	date			No	None			Change Drop More
<input type="checkbox"/> 7	requireddate	date			No	None			Change Drop More
<input type="checkbox"/> 8	shippend	int(11)			No	None			Change Drop More
<input type="checkbox"/> 9	freight	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 10	salestax	int(11)			No	None			Change Drop More
<input type="checkbox"/> 11	timestamp	timestamp		on update CURRENT_TIMESTAMP	No	CURRENT_TIMESTAMP		ON UPDATE CURRENT_TIMESTAMP	Change Drop More
<input type="checkbox"/> 12	transactstatus	int(11)			No	None			Change Drop More
<input type="checkbox"/> 13	errorloc	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 14	errmsg	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 15	fulfilled	int(11)			No	None			Change Drop More
<input type="checkbox"/> 16	deleted	int(11)			No	None			Change Drop More
<input type="checkbox"/> 17	paid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 18	paymentdate	date			No	None			Change Drop More

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4.) Payment

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	paymentid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 2	paymenttype	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 3	allowed	varchar(10)	latin1_swedish_ci		No	None			Change Drop More

5.) Product

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	productid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	sku	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	idsku	int(11)			No	None			Change Drop More
<input type="checkbox"/> 4	vendorproductid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 5	productname	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 6	productdescription	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 7	supplierid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 8	categoryid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 9	quantityperunit	int(11)			No	None			Change Drop More
<input type="checkbox"/> 10	unitprice	int(11)			No	None			Change Drop More
<input type="checkbox"/> 11	msrp	int(11)			No	None			Change Drop More
<input type="checkbox"/> 12	availablesize	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 13	availablecolors	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 14	size	varchar(10)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 15	color	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 16	discount	int(11)			No	None			Change Drop More
<input type="checkbox"/> 17	unitweight	int(11)			No	None			Change Drop More
<input type="checkbox"/> 18	unitisstock	int(11)			No	None			Change Drop More
<input type="checkbox"/> 19	unitonorder	int(11)			No	None			Change Drop More
<input type="checkbox"/> 20	reorderlevel	int(11)			No	None			Change Drop More
<input type="checkbox"/> 21	productavailable	int(11)			No	None			Change Drop More
<input type="checkbox"/> 22	discountavailable	int(11)			No	None			Change Drop More
<input type="checkbox"/> 23	currentorder	int(11)			No	None			Change Drop More
<input type="checkbox"/> 24	picture	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 25	ranking	int(11)			No	None			Change Drop More
<input type="checkbox"/> 26	note	varchar(255)	latin1_swedish_ci		No	None			Change Drop More

6.) Shippers

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	shipperid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	companyname	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 3	phone	varchar(15)	latin1_swedish_ci		No	None			Change Drop More

7.) Users

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	userid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	userfirstname	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
3	userlastname	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
4	useremail	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
5	userphone	varchar(11)	latin1_swedish_ci		No	None			Change Drop More
6	password	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
7	useraddress	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
8	usercity	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
9	userstate	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
10	usercountry	varchar(30)	latin1_swedish_ci		No	None			Change Drop More
11	userpostalcode	int(11)			No	None			Change Drop More
12	usercreditcardcode	varchar(16)	latin1_swedish_ci		No	None			Change Drop More
13	usercreditcardexpiry	date			No	None			Change Drop More
14	userdebitcardcode	varchar(16)	latin1_swedish_ci		No	None			Change Drop More
15	userdebitcardexpiry	date			No	None			Change Drop More
16	userjoiningdate	date			No	None			Change Drop More
17	userjoiningtime	time			No	None			Change Drop More

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REFERENCES

To develop this web application of E-Commerce, I used PHP and MySQL. I take some knowledge about the server side scripting from the book that is given below:

1.) PHP: The Complete Reference Paperback – Steven

Holzner

Websites used for references:

1.) www.stackoverflow.com

2.) www.w3schools.com

