



GLA
UNIVERSITY
MATHURA
Established vide U.P. Act 21 of 2010.

MID TERM REPORT

ON

E-COMMERCE WEBSITE

SUBMITTED TO:

RUCHI GUPTA
(Assistant Professor)
Department of Computer Engineering & Applications

SUBMITTED BY:

Yash Agarwal-171500396

Yash Agrawal-171500397

INDEX

1.) Abstract	2
2.) Introduction	3
• General Introduction of the Topic	3
• Area of Computer Science	3
• Hardware and Software Requirements	3
3.) Problem Definition	4
4.) Objectives	5
5.) Methodology	6
6.) Implementation Details	8
7.) Contribution Details	9
8.) Progress Details and Remaining Work	10
9.) References	15

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 purchase.

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 nowadays.

METHODOLOGY

DFD LEVEL0

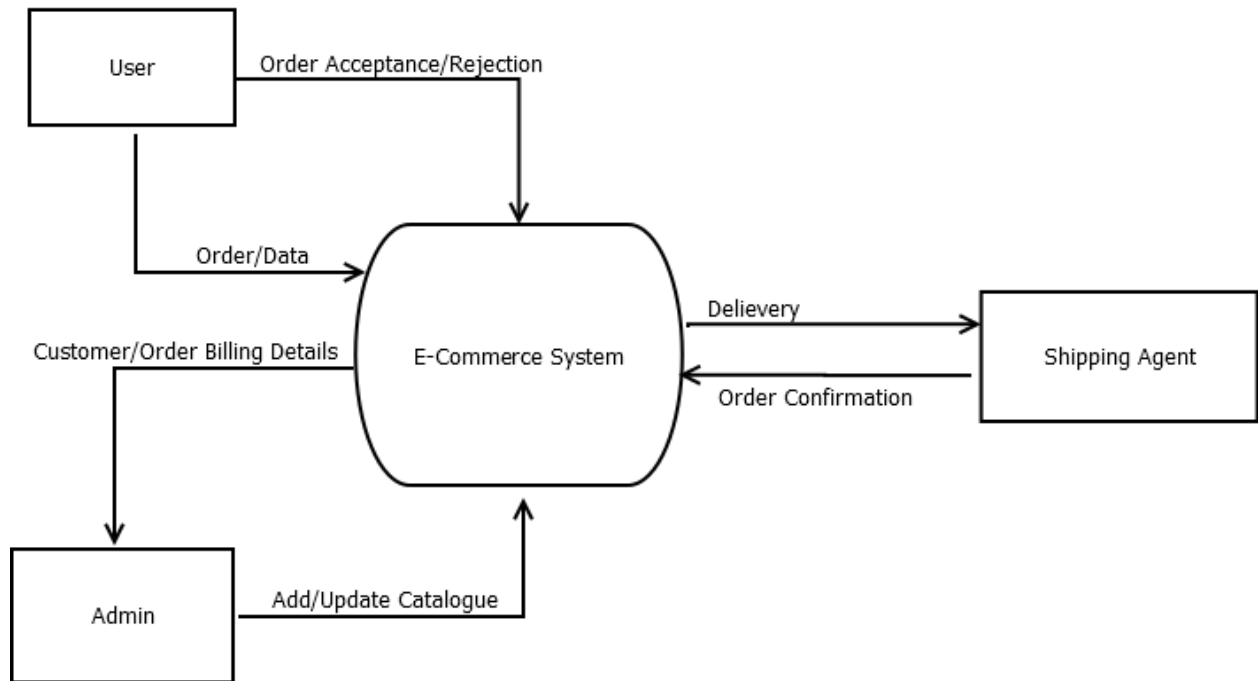


FIG – DFD LEVEL0

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

DFD LEVEL1

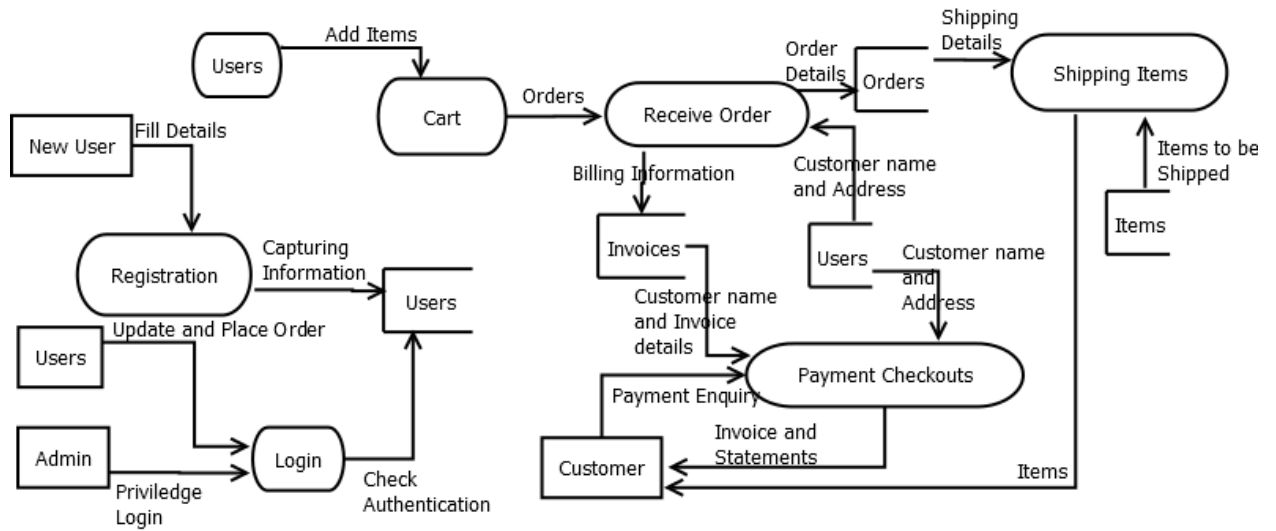


FIG – DFD LEVEL1

User can Log-in, add, remove items to cart, register, pay. Admin can have privileged login, they can change, modify catalogue, maintain user data. 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. We 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. We have also used Bootstrap to implement the CSS in our code.

CONTRIBUTION DETAILS

Member 1(Yash Agarwal), is creating the back-end of the website i.e., creating the database through MySQL and scripting the website through PHP.

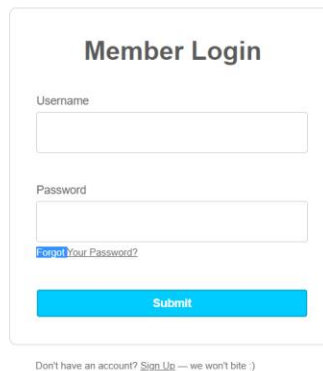
Member 2(Yash Agrawal), is creating the front-end of the website using the technologies HTML, CSS and the CSS framework i.e., Bootstrap

PROGRESS TILL DATE AND REMAINING WORK

Completed part of the project: We 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



The image shows a 'Member Login' form. It has a title 'Member Login' at the top. Below the title are two input fields: 'Username' and 'Password'. The 'Username' field is a simple text box. The 'Password' field is a text box with a small eye icon to its right. Below the 'Password' field is a link that says 'Forgot Your Password?'. At the bottom of the form is a blue button labeled 'Submit'. Below the button, there is a small text line that says 'Don't have an account? [Sign Up](#) — we won't bite :)

SignUp Page

Member Signup

Your Name *

Your Email *

Choose a Password *

Please Retype Your Password

By signing up to this service, you are indicating that you have read and agreed to the [Terms of service](#).

Sign Up!

Database of the Website(EC):-

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> category	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> orderdetails	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> orders	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> payment	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> product	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> shippers	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> suppliers	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16 KiB	-
8 tables	Sum	1	InnoDB	latin1_swedish_ci	128 KiB	0 B

Tables

1.) Category

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	categoryid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	categoryname	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 3	categorydescription	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 4	picture	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 5	active	int(11)			No	None			Change Drop More

2.) OrderDetails

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	orderid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 2	productid	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	ordernumber	int(11)			No	None			Change Drop More
<input type="checkbox"/> 4	price	int(11)			No	None			Change Drop More
<input type="checkbox"/> 5	quantity	int(11)			No	None			Change Drop More
<input type="checkbox"/> 6	discount	int(11)			No	None			Change Drop More
<input type="checkbox"/> 7	total	int(11)			No	None			Change Drop More
<input type="checkbox"/> 8	idsku	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 9	size	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 10	color	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 11	fullfilled	int(11)			No	None			Change Drop More
<input type="checkbox"/> 12	shipdate	date			No	None			Change Drop More
<input type="checkbox"/> 13	orderdetailid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 14	billdate	date			No	None			Change Drop More

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	orderdate	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	shipperid	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	saletax	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	errloc	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

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	productdname	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
<input type="checkbox"/>	1	userid	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	userfirstname	varchar(30) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	3	userlastname	varchar(30) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	4	useremail	varchar(255) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	5	userphone	varchar(11) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	6	password	varchar(255) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	7	useraddress	varchar(255) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	8	usercity	varchar(20) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	9	userstate	varchar(20) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	10	usercountry	varchar(30) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	11	userpostalcode	int(11)		No	None			Change Drop More
<input type="checkbox"/>	12	usercreditcardcode	varchar(16) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	13	usercreditcardexpiry	date		No	None			Change Drop More
<input type="checkbox"/>	14	userdebitcardcode	varchar(16) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	15	userdebitcardexpiry	date		No	None			Change Drop More
<input type="checkbox"/>	16	userjoiningdate	date		No	None			Change Drop More
<input type="checkbox"/>	17	userjoiningtime	time		No	None			Change Drop More

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