

ONLINE BOOK SHOPPING AND CUSTOMER MANAGEMENT SYSTEM

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Masters of Science in Computer Science & Engineering

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APPROVAL

This Project titled “**Online Book Shopping & Customer Management System**”, submitted by Md.Mushfiquir Rahman to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the degree of M.Sc. in CSE and approved as to its style and contents. The presentation has been held on 12th December 2018.

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I hereby declare that, this project has been done by me under the supervision of **Dr. Sheak Rashed Haider Noori, Associate Professor and Associate Head, Department of CSE,** Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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ABSTRACT

At present, people need to go to shopping mall for buying different kinds of essential products. This kind of traditional shopping system is so much time consuming for buying products because of the traffic jam and traveling hassle. Moreover, in the traditional system customer need to move from shop to shop for buying different kinds of products which is very time consuming. E-Commerce websites especially business to consumer (B2C) websites may help overcoming the above trouble for shopping in a book market. The purposes of this project were to conduct a feasibility study to plan and design of a system, develop an online book shop management system, and integrate necessary features of online shopping with reference to Business to Consumer (B2C) type. The software and tools used for this project includes HTML, CSS, JavaScript, PHP as programming language, and MySQL as the backend database.

The system has several features such as customer registration, content architecture, product information and graphics of products, interaction facility, shopping cart, delivery and payment options. The system is user friendly and customers may purchase books anywhere in Bangladesh.

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CHAPTER 1

INTRODUCTION

1.1 Background

Online shopping is the procedure whereby purchasers straightforwardly purchase merchandise, administrations and so forth from a vender intuitively progressively without a middle person benefit over the web. Web based shopping is the way toward purchasing products and enterprises from dealers who move on the Internet. Since the rise of the World Wide Web, vendors have looked to pitch their items to individuals who surf the Internet. Customers can visit web stores from the solace of their homes and shop as they sit before the PC. Shoppers purchase an assortment of things from online stores. Actually, individuals can buy pretty much anything from organizations that give their items on the web. Books, PC, versatile, toys, equipment, programming, and medical coverage are only a portion of the several items buyers can purchase from an online store

Problem Of The Existing System

Furthermore, in the existing system a client has to visit every store to buy a product. He faces difficulties to judge a certain products quality and price. So, there is a higher possibility for a customer to loose in the bargain in terms of price or quality of a certain product. Moreover, a customer also loses extra time and physical strength while doing shopping in the market or mall.

1.2 Project Goal

To make Shopping for consumer easier and time saving I am about to make an E-commerce site. My project is about making a site of e-commerce for general consumer who can buy product using internet. The modern world is growing too fast. Peoples also need to

contribute. Keeping it in mind I am trying to make such a website where consumer can show products category and able to buy this products through this website. Customer also can get products news from here. The news of success in technological field also will be published here so that anyone can get an idea of our technical state.

1.3 Advantages Of Online Shopping

Internet business is must to make best use for web based shopping. Comfort, no weight shopping, funds in time, consistency between promoted cost and site value, no driving and stopping, in some cases no cost conveyance even to outsider beneficiary, data on item examination effortlessly accessible, some of the time value correlation accessible on the web, all day, every day shopping, ease in item retraction or return, some of the time following of delivery accessible. For getting maximum output for my website, people can able to buy their products by online system. For payment to the consumer mobile can be a handy medium. Recently Grameen phone, Banglalink and Robi are the largest mobile companies in Bangladesh has launched a money transfer process named 'Bkash'. That is an easiest and fastest way of transferring money ^[1].

1.4 E-Commerce

The Internet has made another monetary biological system, the web based business commercial center, and it has turned into the virtual principle road of the world. Giving a brisk and helpful method for trading products and enterprises both locally and all inclusive, internet business has blasted.

Electronic exchange, normally known as web business or e-comm. suggests the obtaining and moving of thing or organizations over electronic structures, for instance, the web and other PC frameworks. Electronic exchange is generally seen as the business part of e-business. It moreover involves the exchanging of data to support the financing and portion parts of business trades.

- Electronic Data Interchange (EDI), the business-to-business trade of information.
- Email and fax and their utilization as media for achieving prospects and set up clients.

- The security of business exchanges.
- Business-to-business purchasing and moving.

1.5 B2C E-commerce

Business or exchanges led straightforwardly between an organization and purchasers who are the end-clients of its items or administrations. Business to buyer as a plan of action varies fundamentally from the business to plan of action, which alludes to trade between at least two organizations. Business to Consumer or B2C E-trade alludes to the endeavor to help the association's client chain with ICT. B2C centers around the ICT-enablement of the key procedures in the client chain. Key proficiency, viability and key increases are conceivable through such action. The most widely recognized type of such web based business at present is the supplanting of customary retail channels with types of e-Tailing.^[2]

1.6 Methodology

Online Book Shopping & Customer Relationship Management System project is carried out through the following phases:

- Analysis of procedures in online book shopping processing system.
- Identifications of limitations.
- Requirement analysis of the new system.
- Design of a database schema to represent the entities and relationships.

1.7 Issues That Are Considered For Design The Model

A good system is organized and functional. It must load in a short time and should be flexible to use. I spent maximum time in planning and designing. While designing the system I kept some issues in mind. The issues are given below:

- Is the product information reliable and error free?
- Does the product information store correctly?
- Is the application user friendly and fast?
- Does the user get or enter information in the easiest way?

1.8 System Development Life Cycle

To comprehend framework advancement we have to perceive that a handling framework has an actual existence cycle, simply living or another item. Framework examination and configuration are keyed to the framework life cycle. The stages are appeared in figure 1.1. The investigator must advancement starting with one phase then onto the next efficiently, noting key and accomplishing results in each stage ^[3].

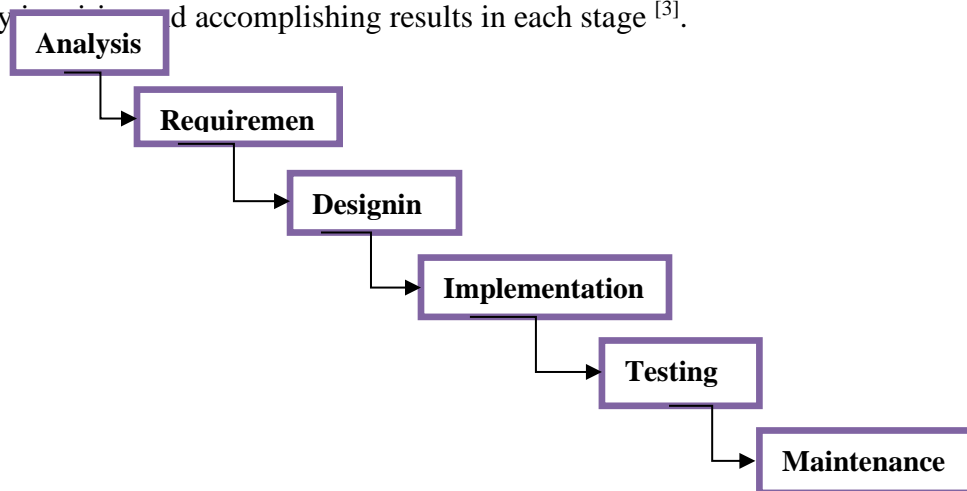


Figure 1.1: System Development Life Cycle.

1.9 Database Oriented System Approach

Database is an accumulation of records or information that is put away in a PC framework with the goal that a PC program or individual utilizing a question dialect can counsel it to answer inquiries. The PC program used to oversee and inquiry a database is known as database the executives framework (DBMS). Databases are utilized in numerous applications in various way. In this task I need to store a ton of information.

1.10 Data Sharing Approach Through The Application

Since related information is put away in one single database implementing information uprightness is must less demanding. Increasingly over the capacities in the DBMS can be utilized to uphold the respectability rules with least programming in the application programs. Related information can be shared crosswise over projects since the information is put away in a unified way. Indeed, even new applications can be produced to work against similar information.

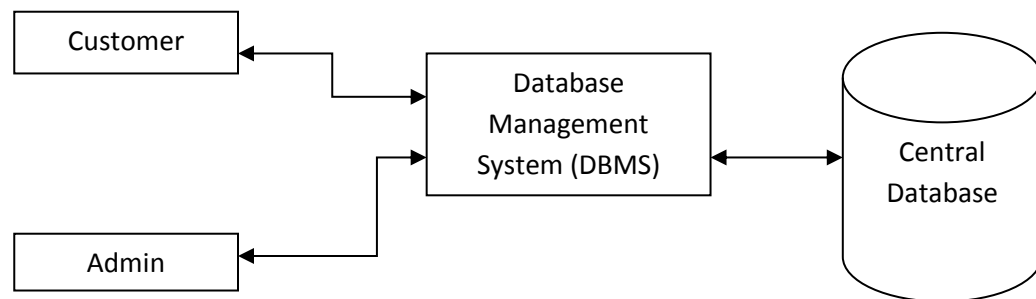


Figure 1.2: Sharing Data between Multiple Applications.

1.11 Multilevel Security

Security is one of the most important things in database management system. Most implementation of popular database management system provides out-of-box support for level of authentication for database and tables. Multiple user access privilege on database object can be limited to some or all of add, edit, update and view operation.

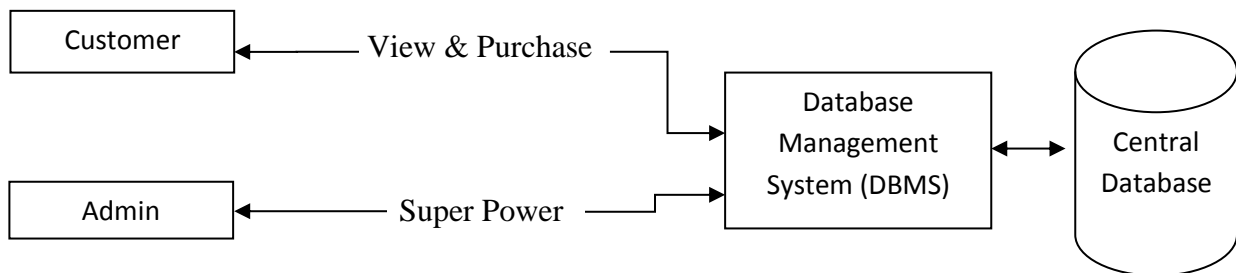


Figure 1.3: Multiple Level of Database User Privilege

1.12 Summary

This chapter illustrates theoretical aspects of the project. It also gives a clear view of the background of the project. In this chapter I have discussed about the system development life cycle and I followed that. For creating this project I used some tools in my system. Those tools definitions are described in this system. After reading this chapter one can easily get a small idea about my project of E-commerce. This is to infer that the task that I attempted was worked upon with an earnest exertion.

CHAPTER 2

SYSTEM REVIEW

2.1 Online Book Shopping Management System

Online book shopping the executives framework is a mechanized electronic application framework. There is no compelling reason to introduce the application. To buy item the server gets the demand from the client and entryway information from the database. Furthermore, the required data will showed up in the program window. The administrator can without much of a stretch include and refresh information effectively in the database.

2.2 Accomplishment Challenges

Accomplishment challenges are this type of task which is really difficult to overcome. But things can be solved. There are a lots of challenges came ahead to develop the online book shopping management system such as products availability, transaction process, stores data properly, user friendly interface etc.

2.3 Information About Products

A customer can search over internet to get information about a product by using my online shopping management system. They can select and choose one or multiple products which they are interested to purchase. It is very easy and convenient to inquiry about a product and able to compare price and quality of the same product of different shops using this system without go to the book shop.

2.4 Online Purchase

In my system one customer can easily purchase a product without hassle. To get this facility he needs a computer with internet connection. And now a day's internet connection is very economical in our country which is a vital point for my project. To purchase the product user must be login and choose the product. Then pay for the product. Without login user can see only products and others information.

2.5 Create User

For utilizing this framework a client must be made or enlisted. To finish this assignment a general clear shape should be loaded up with client data, client ID and secret phrase. A client can adjust the entered information or data. Director has every one of the rights to erase any client and make them.

2.6 Managing Product

Admin has all the rights to manage the product. For this he must be login with a valid user id or password. Then admin can add, update etc. to the database.

2.7 Payment System

For purchasing products a user must have a debit card or visa card or mobile banking account. User must have the sufficient balance and given the requirement information. After successful purchase the amount will go to the owner account from user account.

2.8 Messaging

User can send message to admin for his queries. Admin also reply back to the user. The admin also send notification to the user.

2.9 Development Language & Database

I am developing online shopping by using the following language & database:

- JavaScript, J Query
- PHP 5.5.15

Database:

- XAMPP Server 1.8.3
- MySQL version 5.6.20, Apache 2.4.10

For Design:

- HTML
- Cascading Style Sheets (CSS & CSS3)

2.10 Summary

In this chapter I have discussed about the overall online book shopping management system. Where a customer can register, select and choose product. Here I also shown that some complication to complete my project and how the complication was been solved. So I can say that the online book shopping management is an elegant and time saving technology rather than current shopping system I followed.

CHAPTER 3

TECHNOLOGIES USED IN THIS PROJECT

3.1 Introduction

My framework is pursued absolutely powerful electronic principle. In this framework, I utilized some web programming dialects are HTML, CSS, and PHP. I additionally use MYSQL database server.

3.1 HTML and CSS Overview

HTML is a markup dialect used to structure content and interactive media reports and to set up hypertext connects between archives, utilized broadly on the World Wide Web. The reason for an internet browser is to peruse HTML records and create them into obvious or capable of being heard website pages. It can insert contents written in dialects, for example, JavaScript which influence the conduct of HTML website pages ^[9].

CSS is the dialect for portraying the introduction of Web pages, including hues, format, and text styles. CSS is autonomous of HTML and can be utilized with any XML-based markup dialect. The detachment of HTML from CSS makes it less demanding to look after locales, share templates crosswise over pages, and tailor pages to various situations.

3.1 Introduction to PHP and its Version

PHP represents Hypertext Preprocessor and is a server-side programming dialect. From various perspectives PHP dialect is illustrative of the cliché open source venture, made to meet designer's generally neglected needs and refined after some time to address the issues of its developing network. There are six adaptations for PHP and significant forms are PHP 4.0, PHP 5.0 and PHP 6.0. Till now the most recent adaptation for PHP is 5.6.3.

3.1 Reasons Behind Using PHP

PHP code is embedded straightforwardly into the HTML that makes up a site. At the point when a guest goes to the site, the code is executed. The client does not require any unique program or modules to see the PHP in real life. The magnificence of PHP lies in its effortlessness. PHP likewise keeps running on pretty much every stage including most UNIX, Macs and Windows versions. PHP doesn't utilize a great deal of the framework's assets so it runs quick and doesn't will in general back different procedures off. It is regularly utilized as an Apache module, written in C, so it stacks and executes rapidly. Another key favorable position of PHP is its uses a particular arrangement of expansions to interface with an assortment of libraries, for example, illustrations, XML and so on. ^[10].

3.1 Platforms in PHP

PHP is a unit testing system for the PHP programming language. PHP bolster for XML and web Services. It additionally Support for report question Model (DOM), Simple API from XML (SAX), Web disseminated information trade (WDDX) and SOAP.

3.2 Introduction to MySQL Database Server

3.1.1 What is MySQL?

MySQL is the world most utilized open source social database the executives framework that keeps running as a server giving multi-client access to various database. MySQL is likewise utilized in some prominent huge scale overall marry items including Wikipedia, Google, Face book, twitter, YouTube and so forth.

3.2.1 What is MySQL Database Capable Of?

MySQL database is equipped for putting away any kind of information that we need. It can store and recover information brisk and numerous site guests can utilize MySQL in the meantime. The technical terms that MySQL uses are

- A broad subset of ANSI SQL 99, as well as extensions.
- Cross-platform support.
- Stored procedures
- Triggers And Cursors
- Strict mode And SSL support
- Embedded database library

3.2.2 Advantages of MySQL vs. With Other Database Servers

MySQL Advantage is involved Enhanced MySQL, Apache, PHP, and Perl, to make a coordinated Web advancement condition. This innovation suite conveys a total, stable condition for building and sending database-driven applications for the Internet. Accessible for Linux, UNIX, and Windows, Advantage enables clients to create and send on their selection of stages. This adaptable, various stage condition conveys solidarity and adaptability to advancement and Web applications ^[11].

3.2.3 Why MySQL Database Used For?

Many web applications use MySQL as the database segment of a LAMP programming stack. Its prominence for use with web applications is firmly fixing to the notoriety of PHP, which is frequently joined with MySQL. A few high-movement sites use MySQL for information stockpiling and logging of client information.

3.3 Summary

In this chapter I have discussed about the platforms and technical object that I have used in my entire project. Basically I used PHP to develop my web site. With the help of CSS I design and align my website's TEXT contents and I also connect the website to MySQL database server for storing and retrieving data from the RDBMS. The overall work is based on PHP and MySQL which are very popular platform.

CHAPTER 4

SYSTEM USE CASE AND DEVELOPMENT OF THE DATABASE SYSTEM

4.1 What is Use Case?

Use case graphs can distinguish a lot of activities that some framework or frameworks ought to or fragrance as a team with outer client of the framework. The most widely recognized parts of an utilization case are performer, affiliation, framework limit and bundles. Use Cases are regularly identified with 'on-screen characters'. In my framework there are two on-screen characters. They are Admin and User ^[12].

4.2 Use Case Diagram of Admin

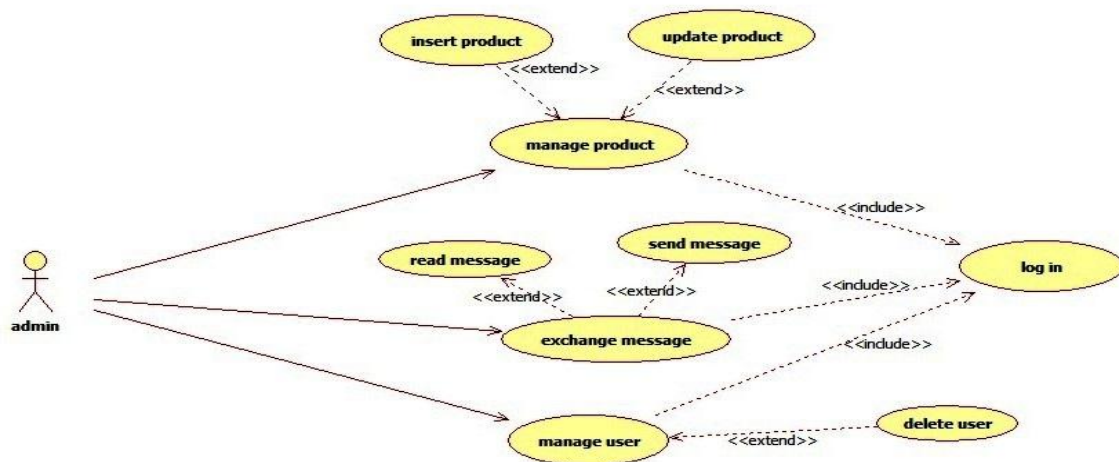


Fig 6.1: Admin Use Case Diagram

In this use case diagram I describe about one actor which is Admin. Admin can do several works. Those works are adding Product, Edit Product, Update Rules, Exchange Message

and Control User. But for fulfill those task Admin have to complete more subtask. Such as in Product, admin can do add product and edit Product. In Control User, Admin can do delete user. But for complete this task Admin must have to login, without login Admin can't complete any task.

4.2 Use Case Diagram of User

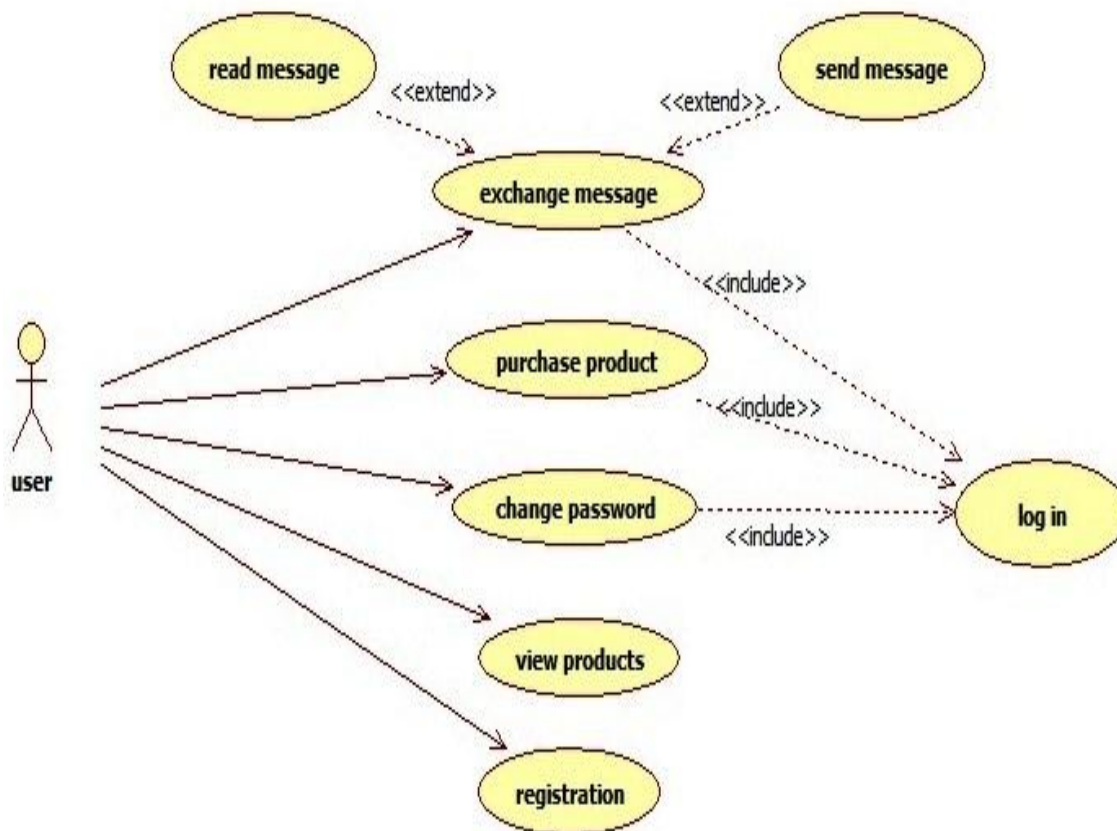


Fig 6.2: User Use Case Diagram

In this use case diagram I describe about another actor which is User. His works are View Product, Purchase Product, Registration, Change Password and Exchange Message. In Exchange message User can do Send Message, Delete Message and Receive message, in Purchase product user have to login into his own account, add products in to his cart and then go to pay option for buying products after fulfilling correct billing information. The

interesting matter is that some task user can complete without login such as View product, add Product in to his cart but can't buy those products from cart without login. But for complete login task User must have to Registration first, without registration User can't complete his desire task.

4.2 Overview of Database System

Database server comprising with a PC program and it gives database administrations to different PCs; chiefly rely upon the customer server show. Database server performs undertakings as information examination, stockpiling, information control, chronicling, reinforcement and recuperation too. In this part, I will talk about my framework database server that is utilized for my venture. I utilized MySQL server for my task.

4.2 ER Diagram

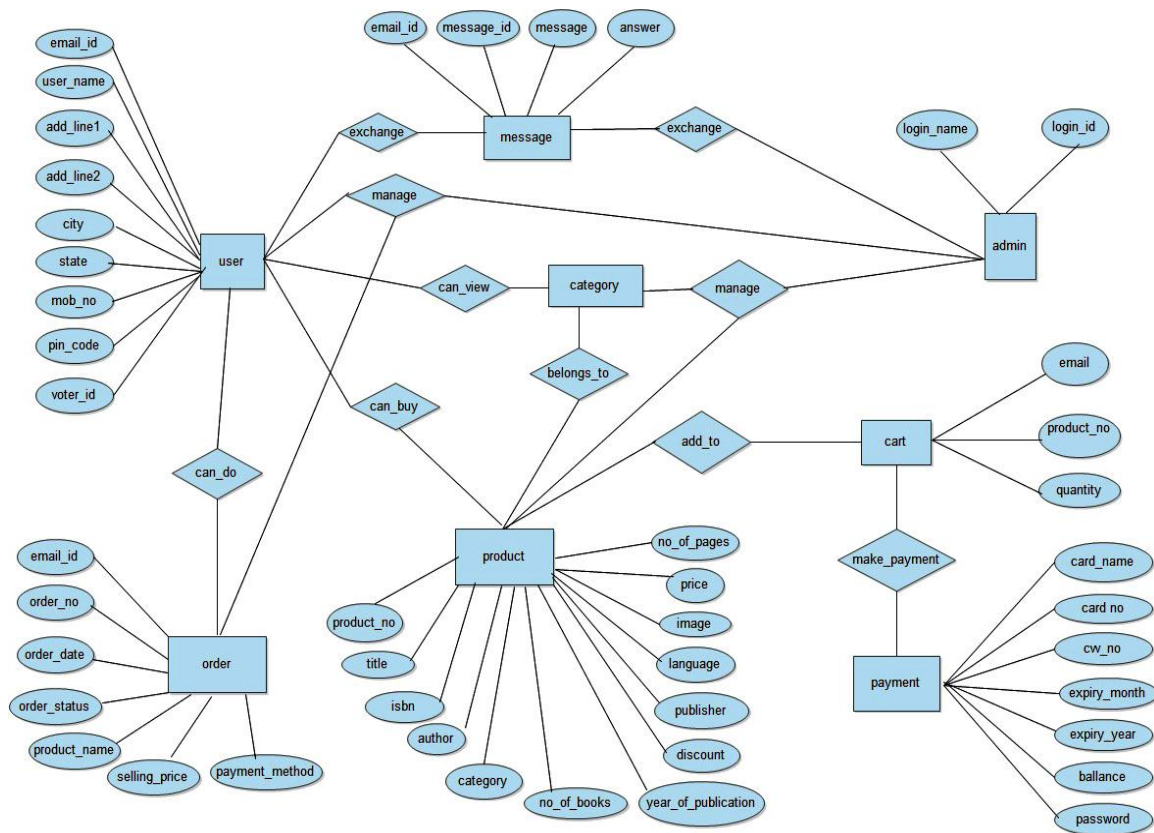


Figure 6.3 ER Diagram

4.2 Schema Diagram

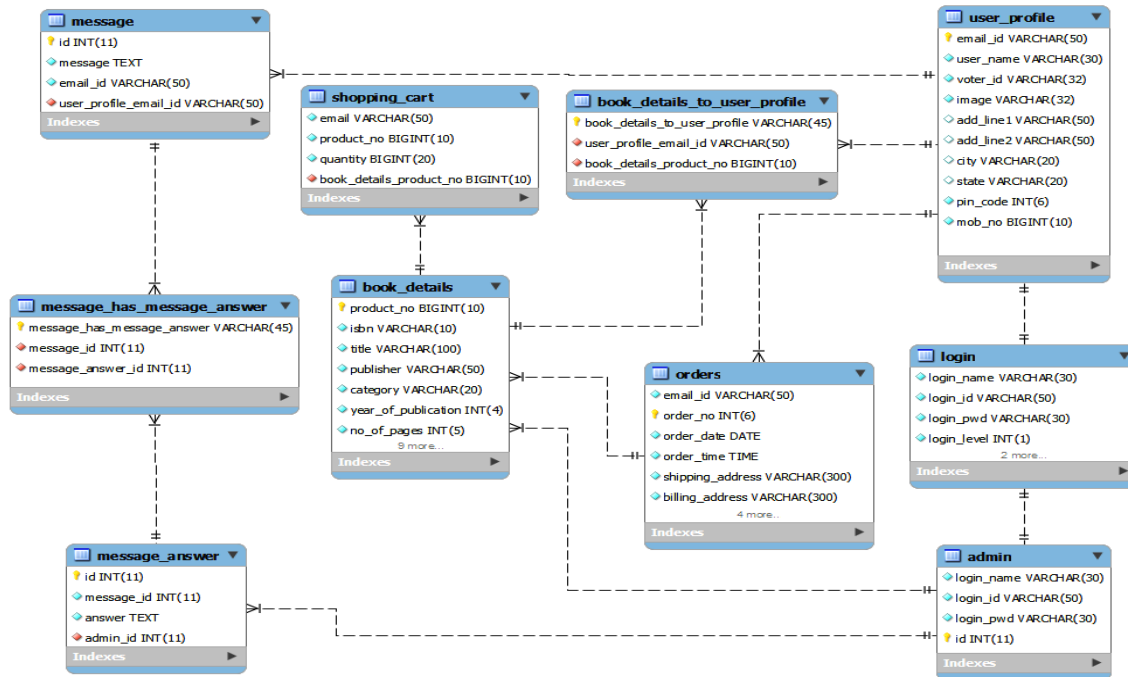


Figure 6.4 Schema Diagram

4.2 Tables Used in My System

4.2.1 Table For The Total Database Design

In figure shows the total database design of this project. Databases are login, recently sold, cart, user, message, book, card, and order.

Table 6.1: Total Database

Table	Action	Rows	Type	Collation	Size	Overhead
book_details	Browse Structure Search Insert Empty Drop	36	InnoDB	latin1_swedish_ci	16 K1B	-
card_details	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 K1B	-
login	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 K1B	-
message	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8_general_ci	16 K1B	-
message_answer	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8_general_ci	32 K1B	-
ordered_item_info	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 K1B	-
orders	Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16 K1B	-
recently_sold	Browse Structure Search Insert Empty Drop	20	InnoDB	latin1_swedish_ci	16 K1B	-
shopping_cart	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 K1B	-
sub_orders	Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16 K1B	-
user_profile	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 K1B	-
11 tables	Sum	62	InnoDB	latin1_swedish_ci	192 K1B	0 B

4.2.1 Login Table

Table 6.2: Login Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 login_name	varchar(30)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 login_id	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	3 login_pwd	varchar(30)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	4 login_level	int(1)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.2.2 User Table

Table 6.3: User Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 email_id	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 user_name	varchar(30)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	3 voter_id	varchar(32)	utf8_general_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	4 image	varchar(32)	utf8_general_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	5 add_line1	varchar(50)	latin1_swedish_ci		Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	6 add_line2	varchar(50)	latin1_swedish_ci		Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	7 city	varchar(20)	latin1_swedish_ci		Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	8 state	varchar(20)	latin1_swedish_ci		Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	9 pin_code	int(6)			No	0		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	10 mob_no	bigint(10)			No	0		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.2.3 Order Table

Table 6.4: Order Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 email_id	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	2 order_no	int(6)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	3 order_date	date			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	4 order_time	time			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	5 shipping_address	varchar(300)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	6 billing_address	varchar(300)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	7 payment_method	varchar(20)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	8 shipping_cost	int(3)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	9 order_status	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More

4.2.4 Recently Sold Table

Table 6.5: Recently Sold Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 product_no	bigint(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 sold_position	int(2)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.2.5 Order Item Info Table

Table 6.6: Order Item Info Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 order_no	int(6)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 order_date	date			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	3 item_name	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	4 price	int(5)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	5 less	int(5)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	6 quantity	int(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	7 total	int(5)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.2.6 Sub-Order Table

Table 6.7: Sub-Order Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 order_no	bigint(6)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 order_date	date			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	3 product_no	bigint(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	4 product_name	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	5 quantity	int(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	6 selling_price	int(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.2.7 Book Table

Table 6.8: Book Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 product_no	bigint(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	2 isbn	varchar(10)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	3 title	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	4 publisher	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	5 category	varchar(20)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	6 year_of_publication	int(4)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	7 no_of_pages	int(5)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	8 language	varchar(10)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	9 author	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	10 price	int(5)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	11 description	text	utf8_general_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	12 no_of_books	int(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	13 discount	int(5)			No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	14 image	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More

4.2.8 Cart Table

Table 6.9: Cart Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 email	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 product_no	bigint(10)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	3 quantity	bigint(20)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.2.9 Message Table

Table 6.10: Message Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None	AUTO_INCREMENT	Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	2 message	text	utf8_general_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More
<input type="checkbox"/>	3 email_id	varchar(50)	utf8_general_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext More

4.2.10 Message Answer Table

Table 6.11: Message Answer Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None	AUTO_INCREMENT	Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 message_id	int(11)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	3 answer	text	utf8_general_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.2.11 Card Table

Table 6.12: Card Table

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 card_no	varchar(20)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	2 card_name	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	3 cvv_no	varchar(3)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	4 expiry_month	varchar(2)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	5 expiry_year	varchar(4)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	6 ballance	varchar(10)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/>	7 password	varchar(50)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

4.3 Summary

In this chapter I totally discussed my total System Database that is developed by MySQL server system. Here I also discussed about schema diagram and ERD for total system. I give a total overview about my database tables and attributes; anyone can able to understand my total database system by reading this chapter.

CHAPTER 5

DEVELOPMENT OF THE PROPOSED SYSTEM

5.1 Introduction

The objective of interface design is to give the detail view of the interface. First of all I made a sketch diagram of the overall procedure in my mind. Then divide the whole work into different parts to make it simple and easy. After that select the suitable platform include language and database server. Finally design and developed the application.

5.1 System Development

5.1.1 Home Page of the Website



Figure 7.1: Home Page

This is the figure of the home page of my website. From this page any user can choose his path where he wants to go.

5.1.2 User Registration & Login

Login to your Account

We are happy to see you return! Please log in to continue.

Email ID

Password

☐ Remember me

[Login now](#)

Not a user yet ?

Create an account! It's quick, free and gives you access to special features.

Name Email ID

Password Confirm password

By clicking this button you agree and accept our [User Agreement](#) and [Privacy Policy](#).

[Create Account](#)

Figure 7.2: User Registration & Login Page

5.1.3 User Profile

ACCOUNT DETAILS

- My Account
- Edit Profile
- Change Password
- Order History
- Contact Admin
- Logout

My Profile

Name: Md. Mushfiqur Rahman
Voter No.: 12345678912345678
Mobile No.: +8801911453149
Email Address: mushfiq313@diu.edu.bd

SHIPPING ADDRESS

Address 1: Flate-B2, House-89, Road 8/A (New), Dhanmondi.
Address 2: Hold. No. 40, Moulouhi Bari, Vill- Kefaimagor
Division: BARISAL
District-Pin Code: FK - 123654

Figure 7.3: User Profile

5.1.4 User Send Message

ACCOUNT DETAILS

- My Account
- Edit Profile
- Change Password
- Order History
- Contact Admin
- Logout

Messages List

NO	Message	Email	Actions
	Contact with admin		

[Send Message](#)

Figure 7.4: User Send Message

If any user wants to send message to admin for ordering products, then they will write here and click send option.

5.1.5 User View Message



Figure 7.5: User View Message

5.1.6 Change Password Confirm Change Password

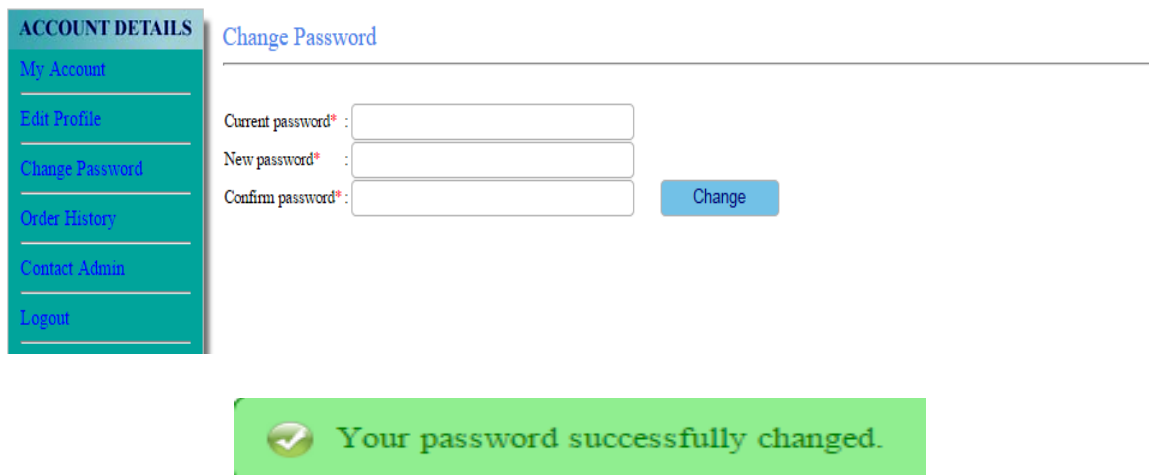


Figure 7.6: Change Password & Confirm Change Password

If user wants to change his account password, then they have to go to this change password option and then change password.

After change password user will get this message “Your Password changed successfully.

5.1.7 Edit Profile

ACCOUNT DETAILS

- My Account
- Edit Profile**
- Change Password
- Order History
- Contact Admin
- Logout

Edit Profile

Name* :

Voter Id* :

Address line 1* :

Address line 2 :

Division* : - Select Division -

District* : - Select District -

Pin code(6 digits)* :

Mobile no* : +880

Save

Figure 7.7: Edit Profile Page

5.1.8 Admin Home



Figure 7.8 Admin Home Pages

This is the home page of admin panel. In this online shopping project I maintain the same figure. But admin panel options are not visible for user

5.1.9 Add Product

Store New Books

Product no* :

ISBN no* :

Title of Book* :

Description* :

Publisher* :

Category* :

Language* :

Author* :

No of Books* :

Upload an Image of book* : No file chosen

Year Of Publication* :

Price* :

No of Pages* :

Discount* :

Store

Figure 7.9: Add Product

5.1.10 Edit Product

Update Books

Enter product no :

Update Book Information

ISBN no* :

Title of Book* :

Description* :

Publisher* :

Category* : Year Of Publication* :

Language* : Price* :

Author* : No of Pages* :

No Of Books* : Discount* : %

Change an Image of book* : No file chosen

Figure 7.10: Edit Product

5.1.11 Search Product

Search Books

Enter Product no :

Search Result



Title : A Modern Approach To Verbal & Non-Verbal Reasoning
Publisher : S. Chand Publisher
Author : R. S. Aggarwal
Category : management
Year of Publication : 2012
Language : English
Product No : 88000000003
ISBN No : 81219005515
Number of Pages : 1508
Unit Price : 695
Discount : 0
Available stock : 98

Description : The book A Modern Approach To Verbal & Non-Verbal Reasoning is a book that has been written with the clear intent of helping you ace this section in whatever competitive examinations you plan to give. It aims to better your reasoning skills as well. The book has been divided into two distinct sections. The first one is that of Verbal Reasoning, which comprises of two subdivisions that elaborate on various topics. The second section is titled Non-Verbal Reasoning, which branches off into several related topics.

Figure 7.11: Search Product

5.1.12 Show Orders History

My Orders History

Order No	Order Date	Ordered Product(s)	Amount Paid	Status
2	2014-11-23	Python Programming: An Introduction to Computer Science (Qty: 1)	Rs: 654	Processing

Figure 7.12: Show Orders

5.1.13 Admin View Message

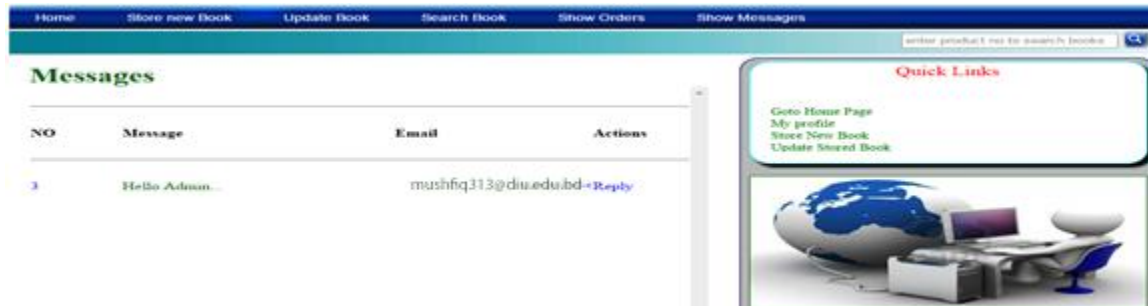


Figure 7.13: Admin View Message





5.1.14 Admin Send Message



Figure 7.14: Admin Send Message

5.1.15 User Cart Box

Your shopping cart

Description	Unit Price	Quantity	Remove	Total
 A Modern Approach To Verbal & Non-Verbal Reasoning	₹ 452	1 change		₹ 452
 Reasoning & Aptitude 2013: Theory And Problems With Explanations	₹ 211	1 change		₹ 211
Shipping Charges :				FREE
Net Amount Payable :				₹ 663

[Continue shopping](#) [Proceed to pay](#)

Figure 7.15: User Cart Box

5.1.16 Checkout Process Page-1

1. Please Sign in

Email :
(Your order details will be sent to this email address)

☒ Continue without password
☐ I have a password

[Continue](#)

Figure 7.16: Checkout Process Page-1

5.1.17 Checkout Process Page-2

2. Address

Shipping address

Name*

Address line 1*

Address line 2

Division* District*
- Select Division - - Select District -

Pin code(6 digits)* Mobile no*

Billing address

☐ Use my shipping address

Name*

Address line 1*

Address line 2

Division* District*
- Select Division - - Select District -

Pin code(6 digits)* Mobile no*

[Continue](#)

Figure 7.17: Checkout Process Page-2

5.1.18 Checkout Process Page-3

3. Payments Options

Select a Payment Method

Credit Card

Debit Card

Mobile Payment

Cash On Delivery

Cash On Delivery

Please click on the button below to select Cash on Delivery.

☒ I agree to pay Cash for this order when this order is delivered to me.

Products in your order

A Modern Approach To Verbal & Non-Verbal Reasoning	Quantity: 1	Rs. 452
Reasoning & Aptitude 2013: Theory And Problems With Explanations	Quantity: 1	Rs. 211
Subtotal :		Rs. 663
Shipping Cost :		FREE
Total :		Rs. 663

Continue

Figure 7.18: Checkout Process Page-3

5.1.19 Checkout Process Page-4 (এই ছবিটা চেকইঞ্জ করতে হবে এখানে আমার নাম আছে)

4. Review and Place Order

Shipping Address: Sabbir Flate-B2, House-89, Road 8/A (New), Dhanmondi Flate-B2, House-89, Road 8/A (New), Dhanmondi BARISAL JK 456123
Mob No: 1745055713
[Change](#)

Billing Address: Same as the shipping address.
[Change](#)

Payment Method: Cash On Delivery

Type the characters you see in the picture below:



[Change Picture](#)

Products in your order

A Modern Approach To Verbal & Non-Verbal Reasoning	Quantity: 1	Rs. 452
Reasoning & Aptitude 2013: Theory And Problems With Explanations	Quantity: 1	Rs. 211
Subtotal :		Rs. 663
Shipping Cost :		FREE
Total :		Rs. 663

Place Order

Figure 7.19: Checkout Process Page-

5.1.20 Book Details



A Modern Approach To Verbal & Non-Verbal Reasoning
By R. S. Aggarwal

☒ 695 with FREE Shipping
(Prices are inclusive of all taxes)

In Stock
Delivered in 2-3 Business Days

Quantity:

Buy Now

Need help to buy?

Hide Details

Title of Book	A Modern Approach To Verbal & Non-Verbal Reasoning
Author	R. S. Aggarwal
Publication	S. Chand Publisher
Pages	1565
Year Of Publication	2012
Product Code	8800000003
ISBN-10	8121005516
Category	management
Language	English

Book Summary

The book A Modern Approach To Verbal & Non-Verbal Reasoning is a book that has been written with the clear intent of helping you ace this section in wherever competitive examinations you plan to give. It aims to better your reasoning skills as well. The book has been divided into two distinct sections. The first one is that of Verbal Reasoning, which comprises of two subdivisions that elaborate on various topics. The second section is titled Non-Verbal Reasoning, which branches off into several related topics.

Figure 7.20: Book Details

5.2 Summary

In the part of interface design the screen resolution is the main fact, because the screen resolution may differ for various kind of monitor or users define resolution. In this application the resolution problem is not solved yet, its design just for wide screen. At later it will be design for making adjustment with any type of screen resolution.

CHAPTER 6

CONCLUSION

6.1 Conclusion

The E-Commerce situation has been improved in the recent years in Bangladesh. There are many B2B, B2C websites doing business in Bangladesh. People are becoming familiar with these websites in spite of very low number of citizens have access to a computer and the internet. The purpose of this project was to develop a Business to Consumer (B2C) for selling books and hence an online book shop management system has been developed. Quick service and reduced prices are the significant ways in which may motivate and influenced the customers from all over the country. The system has scalable facility. So, the implementing organizations have opportunity to add more features on the system. It is expected that this project will improve the infrastructure of online shopping system which is much neglected in our country. The websites is quite user friendly. The website has very simple features and lack of ambiguities which is easy to understand. Customers with minimum level of internet literacy are able to buy products from the website.

It is hoped that this project will fulfill the gap in the E-commerce area in Bangladesh and contribute to develop this area in the future. The system will be extended with more features and realistic payment options in Bangladesh context.

6.2 Future Scopes

- ❖ The venture made here is simply to guarantee that this item could be legitimate in today genuine testing world.
- ❖ At present the framework works for set number of executives to work. In not so distant future it will be stretched out for some kinds of highlights with the goal that effectiveness can be made strides.
- ❖ In not so distant future the installment framework will be less demanding.

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