

Port City International University



Course Code: CSE

Course Title: Software Engineering Sessional

Final Lab Report

Submitted to:

Department of Computer Science and Engineering

Submitted by:

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Introduction:

Online shopping system is an application that will allow customers to shop online. The goal of this application is to develop a web-based interface for online shopping. This system will make shopping easy and convenient for customers. The system would be easy to use and hence make the shopping experience pleasant for the users.

Motivation:

Motivation for building this system is to understand the consumer motivations for choosing online shopping as an alternative channel or, for some consumers, their main channel for shopping particular items. The consumer decision-making process is influenced by many various factors in the life of the consumer. This system works on it and wills to fulfill the needs and satisfy the consumer. A significant role is played here by social conditions, habits, offer and demand ,the sale method and technology.

This part of the project was based on determining what consumers have stated as their key motivation factors and providing them a secure user friendly and efficient environment for online shopping.

Aims and Objectives:

The main aim and objective of this project are:

- To build a web-based interface where users can interact with it
- To allow users to see and buy products
- To receive order and deliver the products to customers
- To allow Admin to manage the products

System Tools:

This are the tools needed for developing our system:

- Html,CSS,Javascript (front end)
- MySql & PHP (backend)

System Design:

In order to design our system we first divided our system into 3 structure and then we designed data flow diagram for our system and designed UML use case diagram. After creating these designs we moved on to the coding portion of our system.

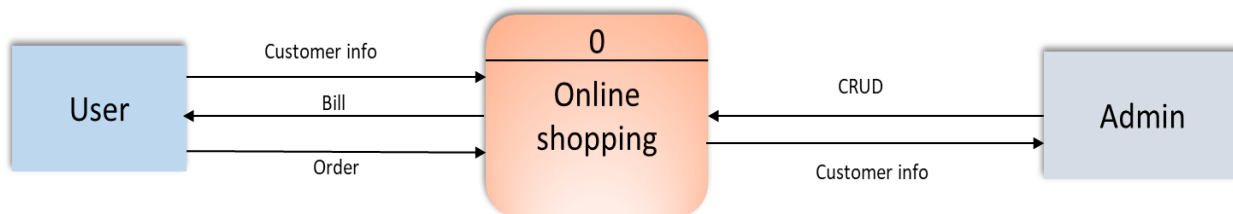
The structure of the system can be divided into 3 part:

- Admin panel
- User panel
- Buying and selling of product system

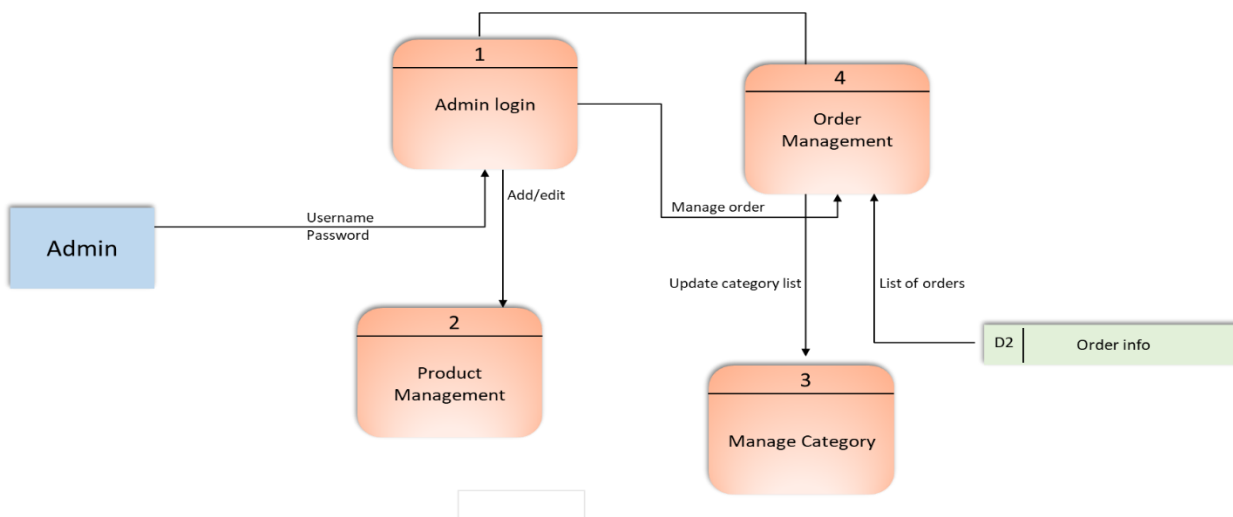
Data flow Diagram:

Data flow diagram it maps out the flow of information for any process or system. These diagrams are drawn using standardized symbols and notations which describes entities and their relationships

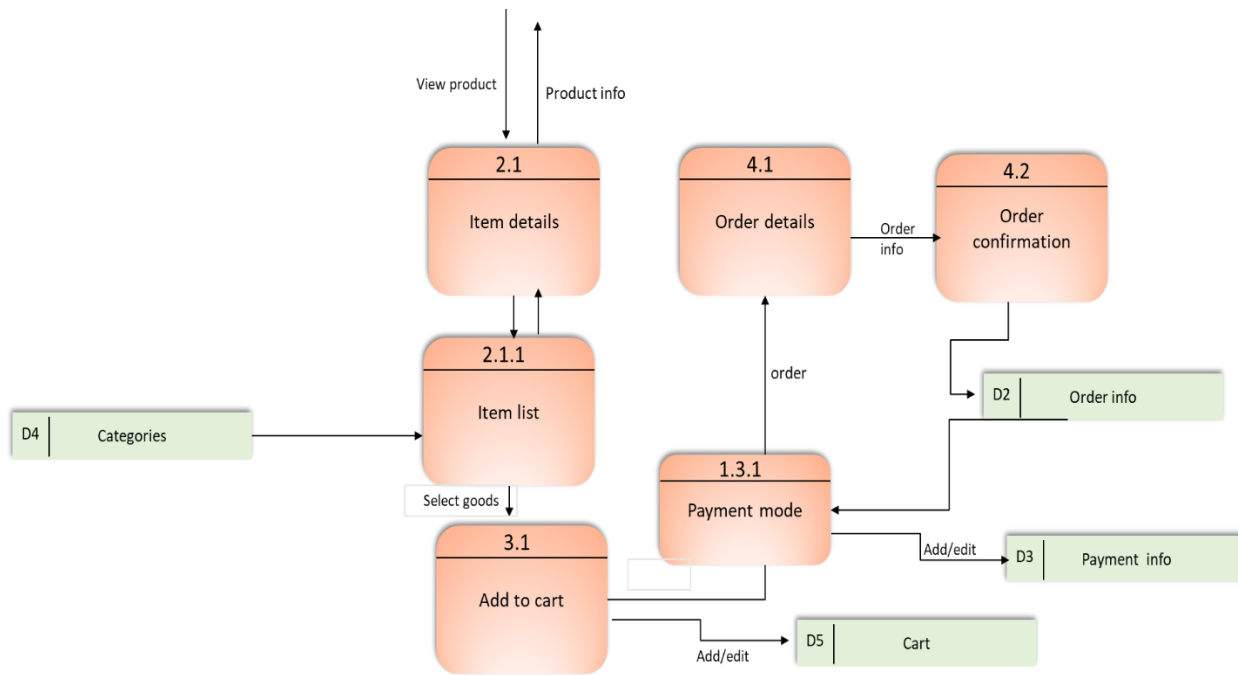
Level 0 DFD:



Level 1 DFD for Administration:



Level 2 DFD for user:

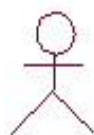


UML (UNIFIED MODIFY LANGUAGE):

The Unified Modeling Language (UML) is a standard language for specifying, visualizing, constructing, and documenting the artifacts of software systems, as well as for business modeling and other non-software systems. The UML represents a collection of best engineering practices that have proven successful in the modeling of large and complex systems. The UML is a very important part of developing object-oriented software and the software development process. The UML uses mostly graphical notations to express the design of software projects. Using the UML helps project teams communicate, explore potential designs, and validate the architectural design of the software.

Use case:

A use case is a set of scenarios that describing an interaction between a user and a system. A use case diagram displays the relationship among actors and use cases. The two main components of a use case diagram are use cases and actors.



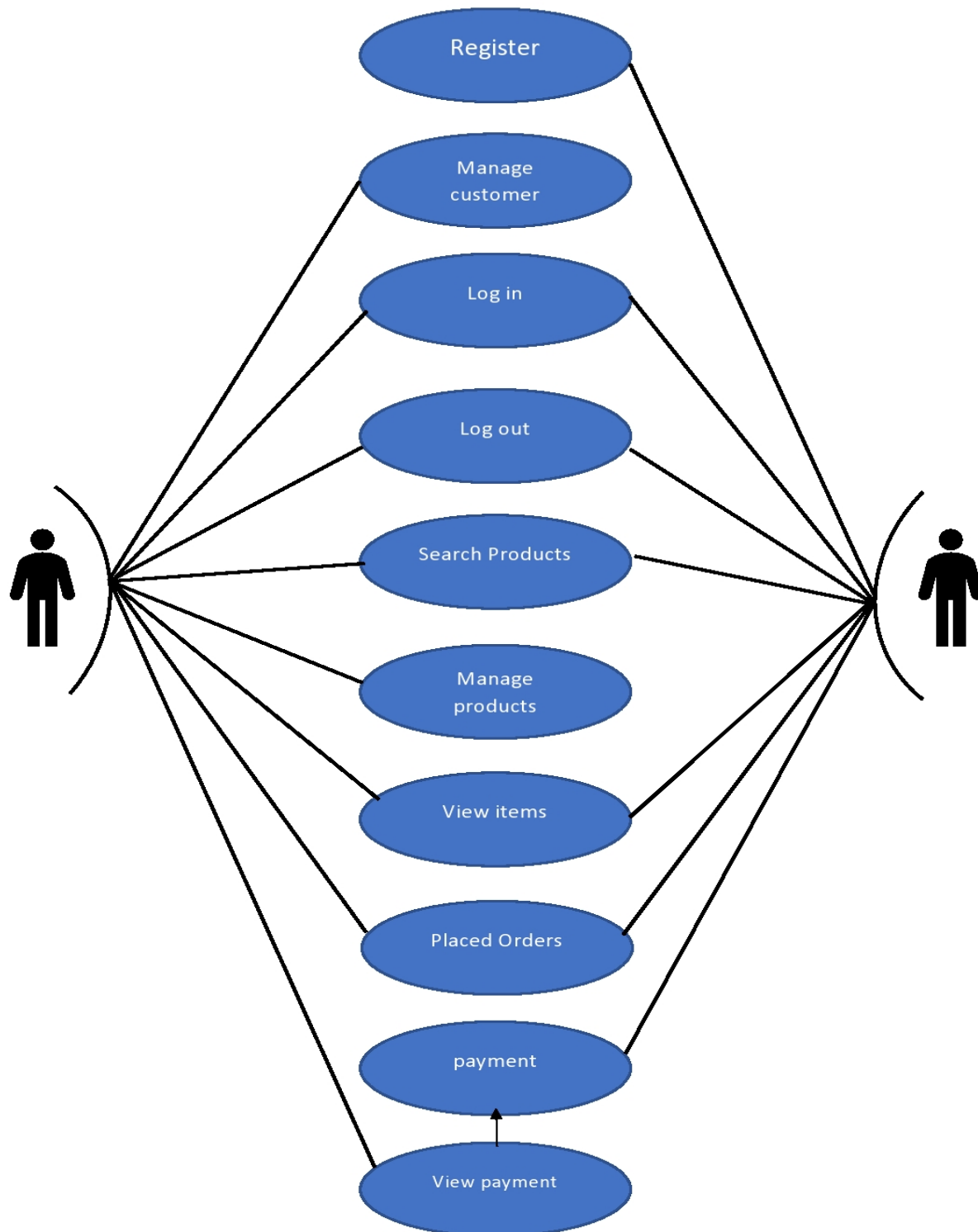
Actor



Use Case

An actor represents a user or another system that will interact with the system you are modeling. A use case is an external view of the system that represents some action the user might perform in order to complete a task.

Use Case Diagram:



Database & ER:

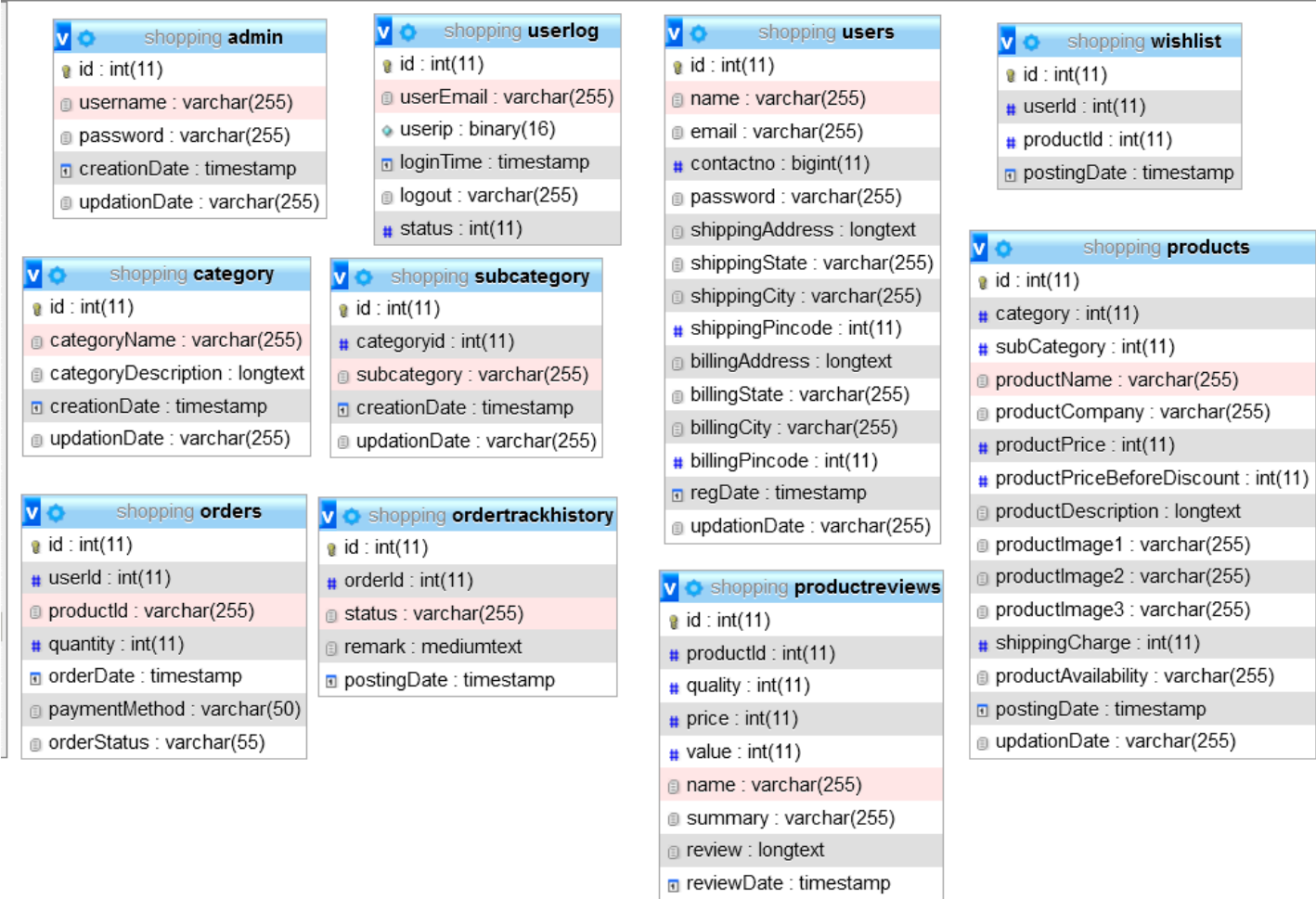
Server: 127.0.0.1 » Database: shopping

StructureSQLSearchQueryExportImportOperationsPrivilegesRoutinesEventsMore

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
admin	Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
category	Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
orders	Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	16.0 KiB	-
ordertrackhistory	Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
productreviews	Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
products	Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	32.0 KiB	-
subcategory	Browse Structure Search Insert Empty Drop	12	InnoDB	latin1_swedish_ci	16.0 KiB	-
userlog	Browse Structure Search Insert Empty Drop	28	InnoDB	latin1_swedish_ci	16.0 KiB	-
users	Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
wishlist	Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
10 tables	Sum	65	InnoDB	utf8mb4_general_ci	176.0 KiB	0 B



Features for user:

- User Registration
- User login system
- View items
- Change password
- Forgot password
- Profile management system
- Shopping cart Wishlist
- Order History
- Review items

Admin features:

- Product Management (Add, Update, Delete)
- Order Management System
- User Management
- Category/ Sub Category Creation
- Login Log

System Implementation

(user/visitor)

Home page:

My AccountWishlistMy CartLoginTrack Order

JAZ Worldwide

Search here...

CART - BDT. 00.00

HOMEELECTRONICSFURNITUREMEDICINEBOOKSHOME & LIFESTYLESPORTS & OUTDOOR

CATEGORIES

ELECTRONICS

FURNITURE

MEDICINE

BOOKS

HOME & LIFESTYLE

SPORTS & OUTDOOR

AUTOMOTIVE & MOTORBIKE

BABIES & TOYS

WATCHES & ACCESSORIES

ONLINE SHOPPING

You can use these animations for your web site or video presentations.

\$ MONEY BACK

30 DAY MONEY BACK GUARANTEE.

FREE SHIPPING


FREE SHIP-ON ORDER OVER BDT. 600.00

SPECIAL SALE

ALL ITEMS-SALE UP TO 20% OFF

FEATURED PRODUCTS

ALLBOOKSFURNITURE




iPhone 13 pro max

★★★★☆

BDT.119000 BDT.120000

Out of Stock




Dell 5482 2-in-1

★★★★☆

BDT.103999 BDT.104000

ADD TO CART

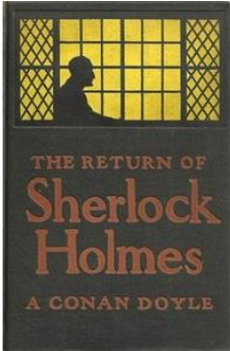


Apple watch 6

★★★★☆

BDT.39000 BDT.45000

ADD TO CART



The Return of Sherlock Holmes

★★★★☆

BDT.1300 BDT.1500

ADD TO CART



iPhone 13 pro max



BDT. 119000 ~~BDT.120000~~

Out of Stock



Dell 5482 2-in-1



BDT.103999 ~~BDT.104000~~

ADD TO CART

LIFESTYLE

OUR BRANDS



AOC

BAJAJ

BlackBerry

Canon

COMPAQ

DAIKIN

JAZ Worldwide

Hello world, We are the best in this business, it is our duty to serve you. Hustle,Loyalty& Respect.



OPENING TIME

Sunday-Thursday:	08.00 AM To 8.00 PM
Friday:	Weekly off
Saturday:	12.00 PM To 8.00 PM

INFORMATION

- Rangunia, Chittagong
- (880) 1316387842
(880) 1852737380
- joynulzubair1@gmail.com

- This is the home page or the main page of the online shopping management system. This is the main page of a visitor side. This page defines all about related to project including visitor features.

SIGN IN

Hello, Welcome to your account.

Email Address *

Password *

[Forgot your Password?](#)

LOGIN

CREATE A NEW ACCOUNT

Create your own Shopping account.

Full Name *

Email Address *

Contact No. *

Password. *

Confirm Password. *

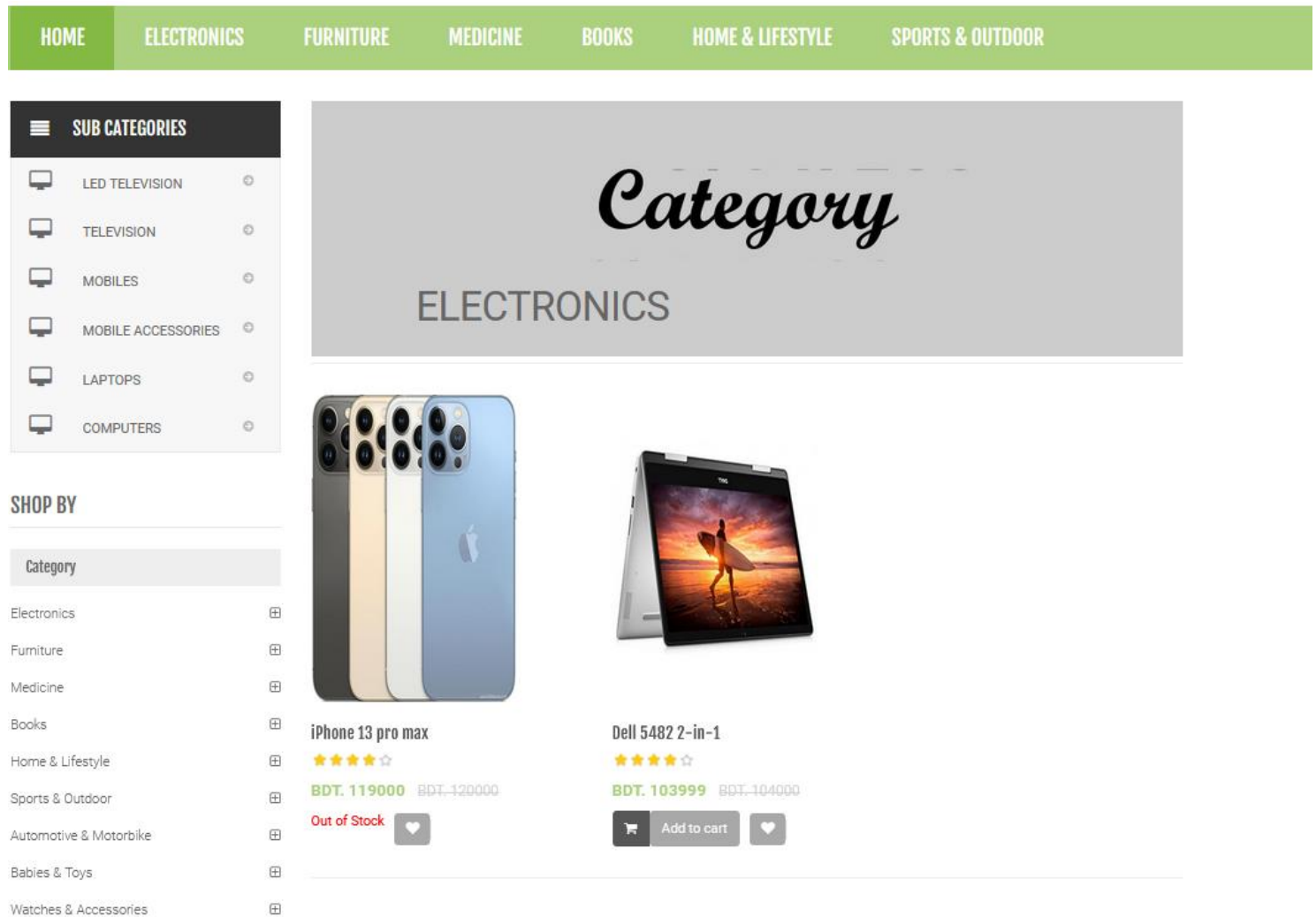
SIGN UP

SIGN UP TODAY AND YOU'LL BE ABLE TO :

- Speed your way through the checkout.
- Track your orders easily.
- Keep a record of all your purchases.

- A new user will have to register in the system by providing essential details in order to create an account. accessing full features of the system for best user experience.
- A user must login with his user name and password to the system after registration, accessing all features of the system for best user experience.
- If they are invalid, the user not allowed to enter the system.

View product:



- User can view the list of products based on their names in categories and sub categories after successful login. A detailed description of a particular product with product name, products details, product image, price can be viewed by users.

Search Product:

My Account

Wishlist

My Cart

Login

Track Order

JAZ Worldwide

fifa

fifa world cup

CART - BDT. 00.00

HOME

ELECTRONICS

FURNITURE

MEDICINE

BOOKS

HOME & LIFESTYLE

SPORTS & OUTDOOR

SUB CATEGORIES

LED TELEVISION

TELEVISION

MOBILES

MOBILE ACCESSORIES

LAPTOPS

COMPUTERS

BEDS

SOFAS

DINING TABLES

FOOTWEARS

BOOKS

BOOKS


CLOTHING

MEN

WOMEN

SMARTWATCH

Search Result




FIFA World Cup Trophy replica

★★★★☆

BDT. 19999 BDT.20000

Add to cart



FIFA World Cup Trophy replica


★★★★☆

BDT. 19999 BDT.20000

Add to cart

- Users can search for a particular product in the list by name.

Add to Cart:



Apple watch 6

★★★★☆

(0 Reviews)

AVAILABILITY : In Stock

PRODUCT BRAND : Apple Inc.

SHIPPING CHARGE : Free

BDT. 39000

BDT.45000

QTY :

1

ADD TO CART

SHARE :

f

tw

in

rss

p

My Account

Wishlist

My Cart

Login

Track Order

JAZ Worldwide

Search here...

CART - BDT. 58999.00

HOME

ELECTRONICS

FURNITURE

MEDICINE

BOOKS

HOME & LIFESTYLE

SPORTS & OUTDOOR

Home / Shopping Cart

Remove	Image	Product Name	Quantity	Price Per unit	Shipping Charge	Grandtotal
<input type="checkbox"/>		<div>APPLE WATCH 6</div> <div>★★★★☆ (0 Reviews)</div>	1	BDT 39000.00	BDT 0.00	39000.00
<input type="checkbox"/>		<div>FIFA WORLD CUP TROPHY REPLICA</div> <div>★★★★☆ (0 Reviews)</div>	1	BDT 19999.00	BDT 0.00	19999.00

CONTINUE SHOPPING

UPDATE SHOPPING CART

- The user can add the desired product into his cart by clicking add to cart option on the product. User can view his cart by clicking on the cart button on top. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove.

SHIPPING ADDRESS	BILLING ADDRESS	TOTAL GRAND 58999.00
Billing Address* <input type="text" value="Chittagong"/>	Shipping Address* <input type="text" value="Khulshi, Chittagong"/>	<input type="button" value="PROCCED TO CHECKOUT"/>
Billing State* <input type="text" value="Chittagong"/>	Shipping State* <input type="text" value="Chittagong"/>	
Billing City* <input type="text" value="Chittagong"/>	Shipping City* <input type="text" value="Chittagong"/>	
Billing Pincode* <input type="text" value="110092"/>	Shipping Pincode* <input type="text" value="110001"/>	
<input type="button" value="UPDATE"/>	<input type="button" value="UPDATE"/>	

- After confirming the items in the cart, the user can submit the cart by providing a delivery address (both shipping and billing address). On successful submission the cart will become empty.

Payment Method:

[Home](#) / [Payment Method](#)

CHOOSE PAYMENT METHOD

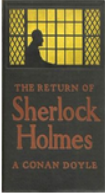
SELECT YOUR PAYMENT METHOD

☒ COD ☐ Internet Banking ☐ Debit / Credit card

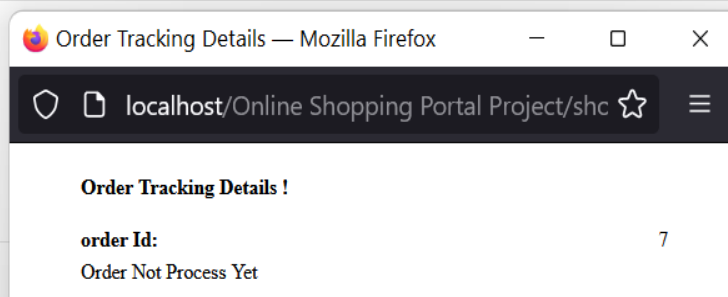
- Cash on delivery, internet banking and pay via debit/credit card is introduced as payment system.

Track Order:

[Home](#) / [Shopping Cart](#)

#	Image	Product Name	Quantity	Price Per unit	Shipping Charge	Grandtotal	Payment Method	Order Date	Action
1		THE RETURN OF SHERLOCK HOLMES	2	1300	0	2600	COD	2021-12-01 17:25:09	Track

OUR BRANDS



- An order tracking system is one that tracks goods from the moment the order is placed to when they are physically delivered to the destination location.

Change & Forget password:

FORGOT PASSWORD

Email Address *

Contact no *

Password *

Confirm Password. *

CHANGE

- This system allows users who have forgotten their password to unlock, retrieve, or reset it, usually by submitting account secret information (main and contact number).

1MY PROFILE

2CHANGE PASSWORD

Current Password*

New Password *

Confirm Password *

CHANGE

YOUR CHECKOUT PROGRESS

My Account

Shipping / Billing Address

Order History

Payment Pending Order

- User can change the password according to his/her will, for security purpose. It will first check the current password, if the current password matches correctly it will proceed to updating the new password in the database. Which will later be used for login.

Product Reviews:



Dell 5482 2-in-1



BDT. 103999.00 ~~BDT.~~

Out of Stock

DESCRIPTION

REVIEW

CUSTOMER REVIEWS

FLAGSHIP DEVICE 📅 2021-11-30 23:34:32

"value for money, very good product"

Quality : 5 Star

Price : 5 Star

value : 5 Star

✍️ Joynul Abedin Zubair

WRITE YOUR OWN REVIEW

	1 star	2 stars	3 stars	4 stars	5 stars
Quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Price	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Value	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Your Name *

Review *

Summary *

SUBMIT REVIEW

- Product review, report about a product written by a customer on a product of the website to share personal experience, and to help people decide if they want to buy it.
- User can submit a review simply by mentioning name, review summary and brief comments as review. Which is later saved in the database and shows the field on website and any visitor can see the comment/review for a clear view.
- Very good (or bad) reviews have a way of quickly spreading. Encouraging consumers to review your company is an easy way to expand your brand's reach. When people have good things to say, they are also more likely to share their reviews, also helpful for the admin improving the site, making it better and more user friendly.

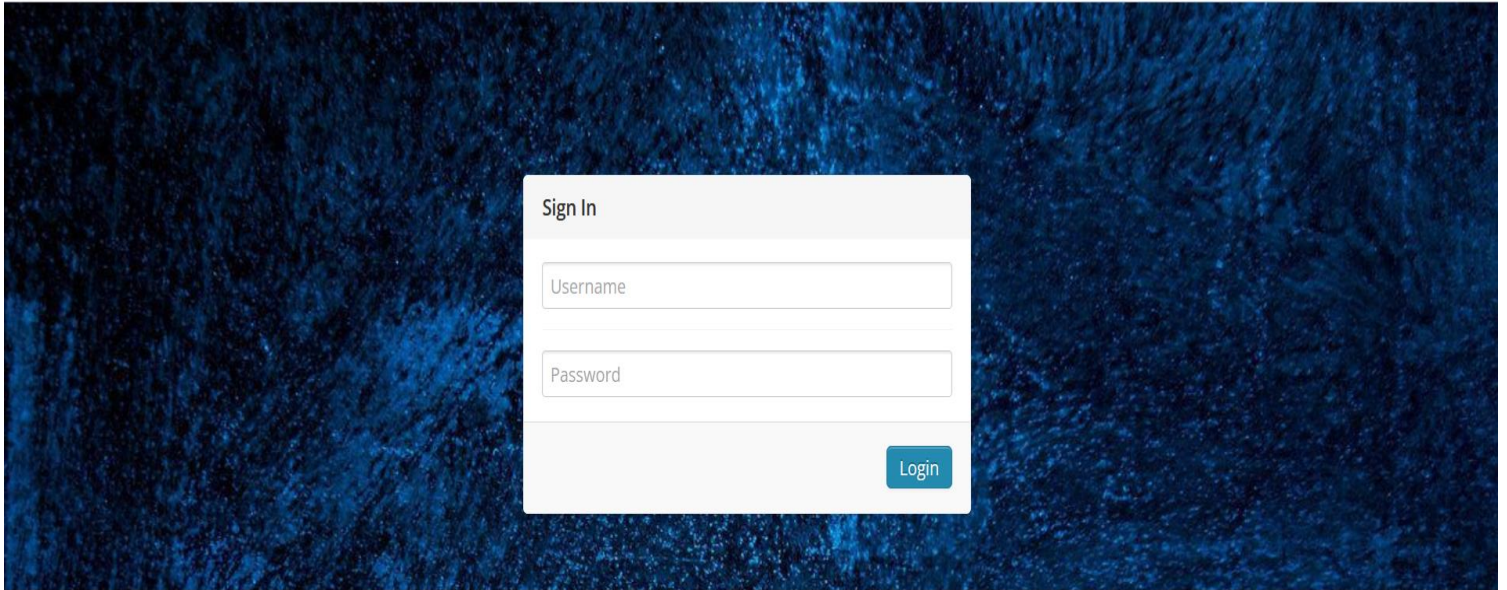
System Implementation

Admin panel

Login:

JAZ Worldwide | Admin

[Back to Portal](#)



Sign In

Username


Password


Login


© 2021 JAZ Worldwide @group-3 All rights reserved.


- This form is used for log in of administrator/admin of the system. In this we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask for username and password.


Admin's panel (Dashboard):


JAZ Worldwide | Admin Admin 


 Order Management ▼


 Manage users


 Create Category

 Sub Category

 Insert Product

 Manage Products

 User Login Log

 Logout

Admin Change Password

Current Password

New Password

Current Password

Submit

- This is the admin's dashboard which is accessible only by the admin, who can manage the entire system. Change password mechanism is also the same as users password changing method.

Order management:

JAZ Worldwide | Admin

Admin

Order Management

Today's Orders1

Pending Orders5

Delivered Orders1

Manage users

Create Category

Sub Category

Insert Product

Manage Products

User Login Log

Logout

Pending Orders

Show 10 entries

Search:

#	Name	Email /Contact no	Shipping Address	Product	Qty	Amount	Order Date
1	Joynul Abedin Zubair	joynulzubair1@gmail.com/185273738	Zakir hossain society,south khulshi, Chittagong,CTG,CTG-4212	The Return of Sherlock Holmes	2	2600	2021-12-01 17:25:09

Showing 1 to 1 of 1 entries

- Order management refers to the process of receiving, tracking, and fulfilling customer orders. The order management process begins when an order is placed, and ends when the customer receives their package. Admin can view the Orders which is generated by the users also can verify the details of the purchase.

Manage user:

JAZ Worldwide | Admin

Admin

Order Management

Manage users

Create Category

Sub Category

Insert Product

Manage Products

User Login Log

Logout

Manage Users

Show 10 entries


Search:









#	Name	Email	Contact no	Shipping Address/City/State /Pincode	Billing Address/City/State/Pincod
1	Fariha	iamjaz99@gmail.com	1852737380	Khulshi, Chittagong,Chittagong,Chittagong-110001	Chittagong,Chittagong,Chittagong-110092
2	Nahid kaisar	nahid@gmail.com	111	..	..
3	Sabiha Riya	riya123@gmail.com	0	..	..
4	Fariha Piya	ffariha@gmail.com	191010101	..	..
5	Nahid kaisar	nahid123@gmail.com	123456789	..	..
6	sakib	sakib@gmail.com	12345	..	..
7	Joynul Abedin Zubair	joynulzubair1@gmail.com	185273738	Zakir hossain society,south khulshi, Chittagong,CTG,CTG-4212	Zakir hossain society,south khulsh Chittagong,Chittagong,Chittagong-
8	Fariha Piya	fariha@gmail.com	1621759164	..	..

Showing 1 to 8 of 8 entries

- All existing users can be viewed by the administrator as a list with information. If there is number of users and admin need to find one of them, the admin can search for a moderator by name.

Create Category and Sub Category:

JAZ Worldwide | Admin Admin 

-  Order Management
-  Manage users
-  Create Category
-  Sub Category
-  Insert Product
-  Manage Products
-  User Login Log
-  Logout

Sub Category

Category

SubCategory Name

Select Category

Select Category

Electronics

Furniture

Medicine

Books

Home & Lifestyle

Sports & Outdoor





















Automotive & Motorbike

Babies & Toys

Watches & Accessories

Sub Category

Show

#	Category			Updated	Action
1	Electronics	Led Television	2017-01-26 22:24:52	26-01-2017 11:03:40 PM	 
2	Electronics	Television	2017-01-26 22:29:09		 
3	Electronics	Mobiles	2017-01-30 22:55:48		 
4	Electronics	Mobile Accessories	2017-02-04 10:12:40		 
5	Electronics	Laptops	2017-02-04 10:13:00		 
6	Electronics	Computers	2017-02-04 10:13:27		 
7	Furniture	Beds	2017-02-04 10:36:45		 
8	Furniture	Sofas	2017-02-04 10:37:02		 
9	Furniture	Dining Tables	2017-02-04 10:37:51		 
10	Watches & Accessories	smartwatch	2021-11-30 23:12:59		 

Showing 1 to 10 of 12 entries

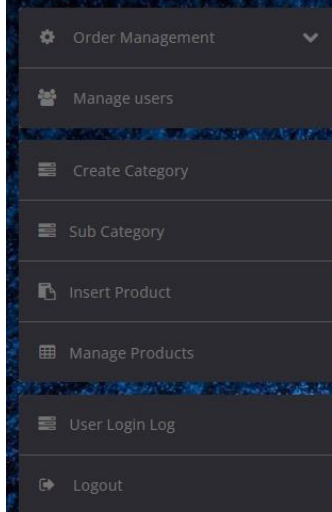
<
>

- It's important to use categories and subcategories correctly, so administration can help users to find the content they're most interested in. Proper content categorization can improve website's SEO rankings as well. Admin can create category and sub category for adding particular products and for making the site easier to explore by users.

Insert Product:

JAZ Worldwide | Admin

Admin



Insert Product

Category

Select Category

Sub Category

Product Name

Enter Product Name

Product Company

Enter Product Comapny Name

Product Price Before Discount

Enter Product Price

Product Price After Discount(Selling Price)

Enter Product Price

Product Description

B *I* U Font Size... Font Family... Font Format

Product Shipping Charge

Enter Product Shipping Charge

Product Availability

Select

Product Image1

Browse...

No file selected.

Product Image2

Browse...

No file selected.

Product Image3

Browse...

No file selected.

Insert

- The system contains different kind of products. The products can be classified into different categories and sub categories by name. Admin can add new products into the existing system with all its details including an image which will be shown in the website with proper description.

Manage Product:

JAZ Worldwide | Admin

Admin



#	Product Name	Category	Subcategory	Company Name	Product Creation Date	Action
1	iPhone 13 pro max	Electronics	Mobiles	Apple	2021-11-24 22:37:42	
2	Dell 5482 2-in-1	Electronics	Laptops	DELL	2021-11-24 22:45:55	
3	Apple watch 6	Watches & Accessories	smartwatch	Apple Inc.	2021-11-30 23:14:13	
4	The Return of Sherlock Holmes	Books	story	Arthur Conan Doyle	2021-11-30 23:19:19	
5	FIFA World Cup Trophy replica	Sports & Outdoor	football	FIFA	2021-11-30 23:28:51	
6	FIFA World Cup Trophy replica	Sports & Outdoor	football	FIFA	2021-11-30 23:34:44	

- Admin can edit, update, delete the products based on the stock of that particular product at any time. Admin will have a list view of all the existing products. He can also search for a particular product by name.

Conclusion:

The project entitled 'JAZ Worldwide' online shopping management system was completed successfully.

The system has been developed free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a web-based application for online shopping management.

This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using html & css, usage of responsive templates, php and management of database using mysql. The entire system is secured. Also the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project.

The project from a personal point of view also helped us in understanding the following aspects of project development:

- The planning that goes into implementing a project.
- The importance of proper planning and an organized methodology.
- The key element of team spirit and co-ordination in a successful project.

The project also provided us the opportunity of interacting with our honorable teacher who influenced and inspired us in many ways and to gain from his best experience.