

E-Market: A Web Based E-Commerce Application

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering.

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APPROVAL

This project title “E-market” submitted by Md. Shahin Alam, ID No: 191-15-12140, Sumaia Afrin, ID No: 191-15-12284 And Md. Siddiqur Rahman, ID No: 191-15-12171 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation held on 4 January 2022

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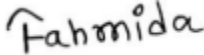
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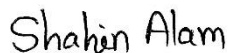
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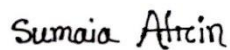


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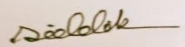
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CHAPTER 1: GENERAL INFORMATION

1.1 Introduction

“E-market” is an online E-commerce base website application. We know E-commerce demand increasing day-by-day. People are now become all online based. They are now better anything buying online system. This is how people show interest in making us to our project.

This website has made everything a lot of easier process. This website have login, user account and logout process system like as different E-commerce website. People product get easily that’s why we create search box, and have some product category, if which customer get want. There have also add cart and payment process system, so that bill can be prepared easily. After all this website formally can use smoothly.

1.2 Objective

- To create website for people.
- To create this people can get product easily.
- To create this people knowing and gather knowledge some different product.
- To create website for people login and show product details.
- To create this people meet some new brand companies and their product.
- To create website to make peoples time and path much easier.

1.3 Motivation

Motivation of E-commerce is very important. Modern marketing is more than just offering product in online. Many people are using Facebook, WhatsApp, Twitter, and Instagram, there are different type of social media and website and they knowing this anything how to easier path in short time.

Maybe someday peoples will not have waste time going to the market and outside to buy product.

This things is big inspire to us. Some peoples in Bangladesh do not know about the web. It is a lesson for them. It make our country prosperous. Different type of technology use to improve our Bangladesh. We hope that our website can be run in the field of technology and youth in our Bangladesh.

1.4 Expect and outcome

E-commerce is most need to get online service. Those who are interested in buying a product online and do not want to waste time to going to the market they can easily use our website.

If everyone does something, they have a goal. I think the website will one day be like Amazon, Alibaba if we can make a great work.

After all our website will save peoples time, prosperous Bangladesh, A digital country, there may be employment opportunities for many young peoples.

CHAPTER 2: PROJECT MODEL AND SPECIFICATION

2.1 E-market process system

E-market website process system is an E-commerce process system. Is totally manage by admin and user. Admin part use who insertion and implementing product system, and user can show

product and buy this product in the website. So we will show which process we use this website and given below this process model.

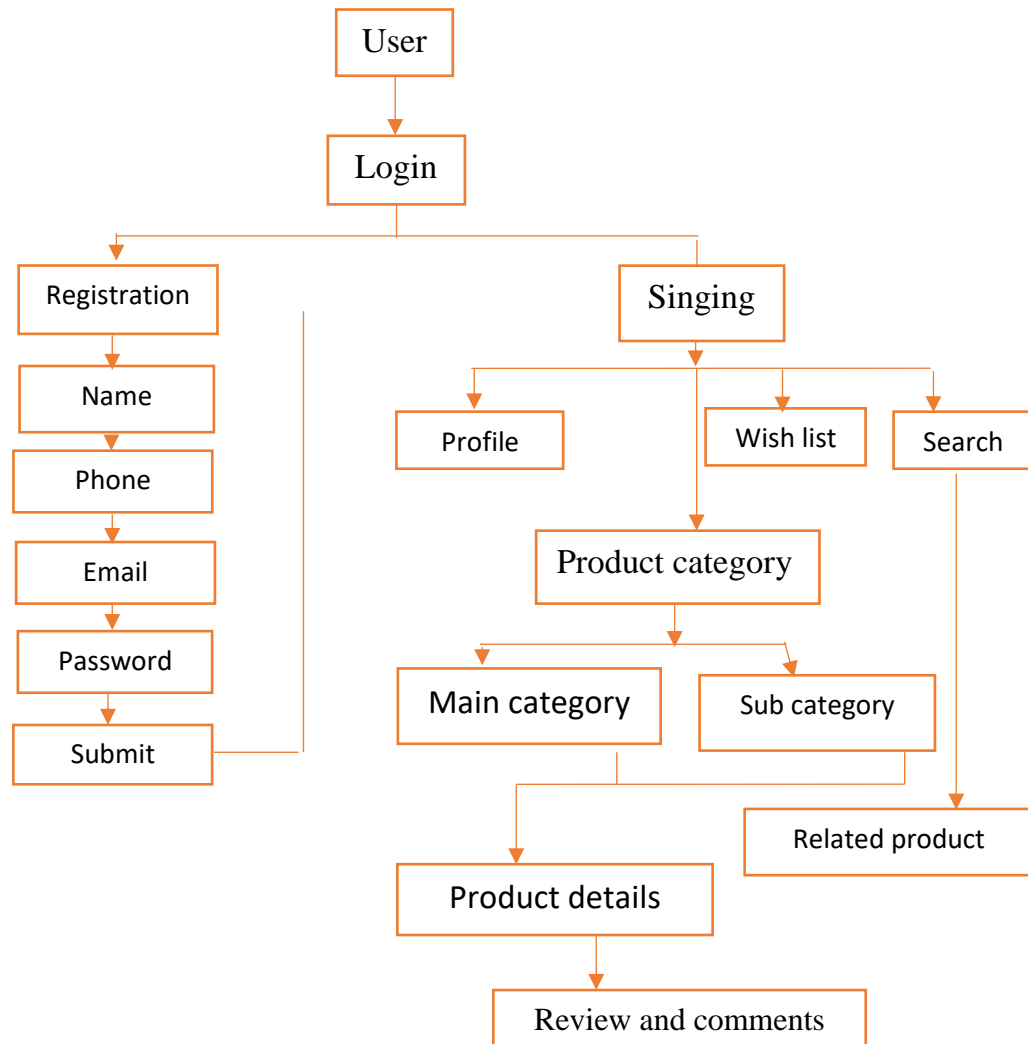


Fig 2.1(a): User process management system.

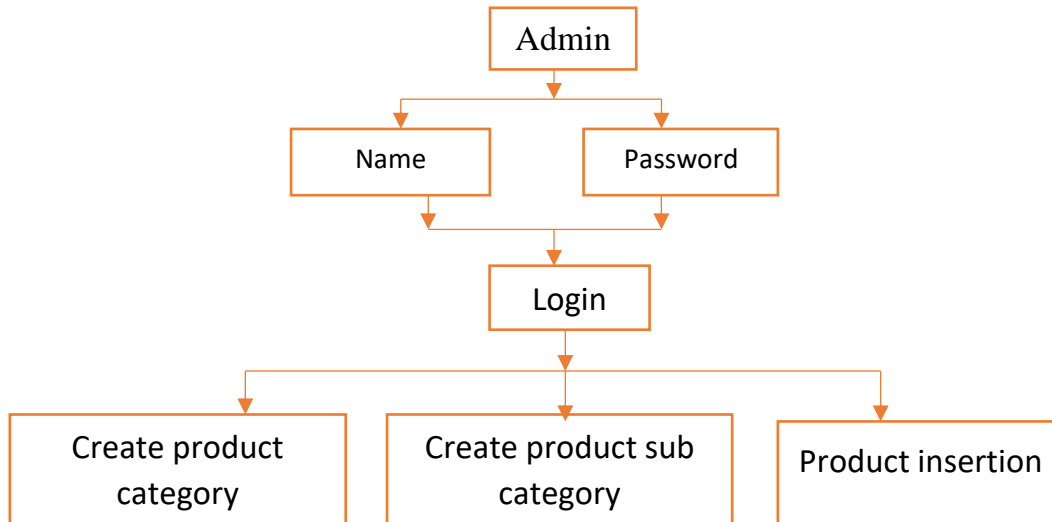


Fig 2.1(b): Admin panel process

2.2 Hardware Requirement

To build the project we need Hardware component such as:

- Personal computer.
- Internet connection.
- Android phone

2.3 Technologies Requirement

To make the web application we use different type of language and framework to make it friendly.

Front-end:

- HTML5
- CSS
- JavaScript
- and Bootstrap

Back-end:

- PHP

Database:

- MySQL database

Server:

- XAMPP

Operating system

- windows 10

HTML5:

HTML5 is the latest version of hypertext markup language, the code that describe web page. HTML5 support the traditional HTML and XHTML-style syntax and other new feature in its markup, new APIs, XHTML and error handling.

CSS: Cascading style sheet, fondly to as CSS, is a simple design language intended to simplify the process of making web page presentable.

CSS handle the look and feel part of a web page. Using CSS, we can control color of text, the style of font, the spacing between paragraphs, how columns are size and laid out, and background.

JavaScript: JavaScript is the programming language for the web. JavaScript can update and change both HTML and CSS. It's can calculate, manipulate and validate data.

Bootstrap: Bootstrap is an open-source framework for CSS. It help to typography, form, button, navigation and so more interface component. As it is JavaScript extension support, so it is easy to build a best visual wen page.

PHP: PHP is an open-source server side scripting language that many developers use for web development. It is also a general-purpose language that we can to make lots of project, including graphical Unser interface.

MySQL database: MySQL is the most open source SQL database management system, is developed, distribute, and support Oracle Corporation.

XAMPP: Xampp is a free and open source cross-platform web server solution stack package developed by apache friend, consisting mainly of the apache HTTP server, Maria DB, and interpreters for scripting written in the PHP and Perl programing language.

CHAPTER 3: FEATURE AND DESIGN FRONT-END

Front design is an important part for every website. The success of each website depend on its design. With that in mind, we have designed our website to be user friendly. It was not easy to design our simplest interface. We design our website following this segment.

3.1 Home page

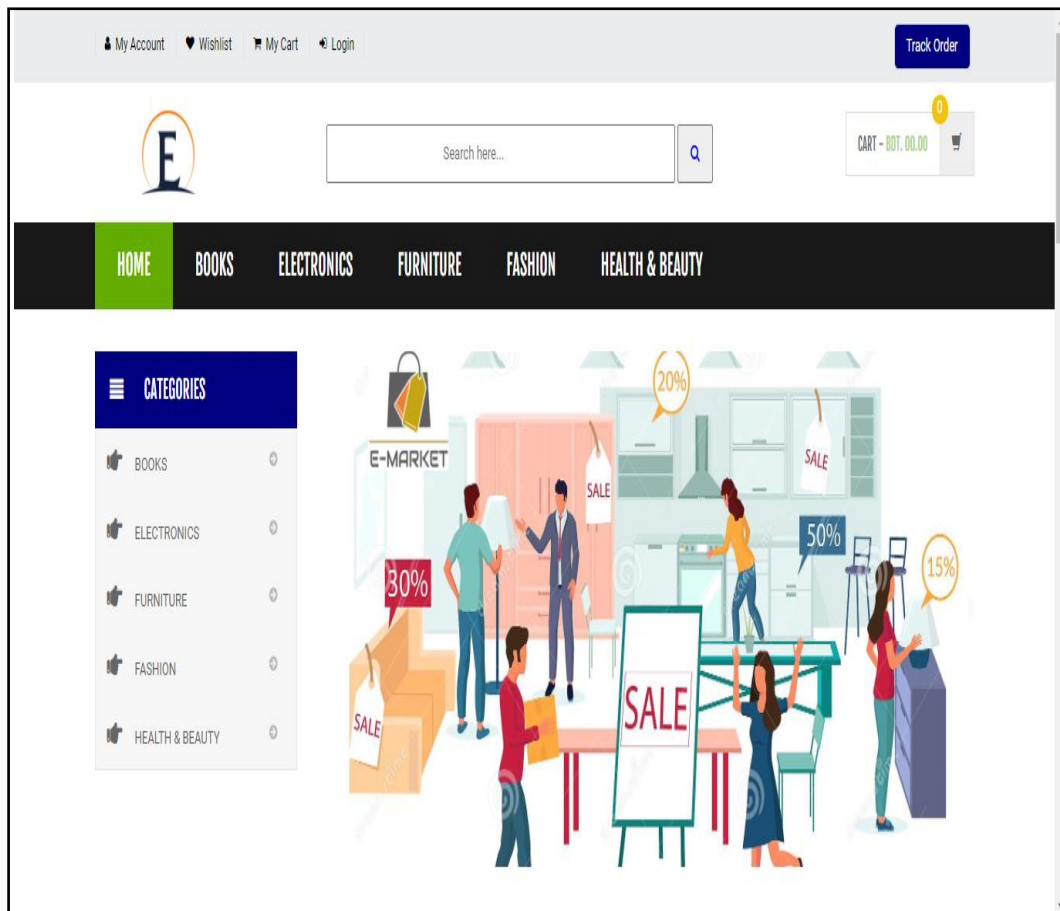


Fig 3.1: Home page

This is our website home page. This website have some category and also their sub-category. Every category have product, if anyone can buy product thus him or her clicking and showing product. Also have search option so that everything can found easily. If we want to buy the product then we have to registration first. Below I will explain how registration.

3.2 Signup and sign in

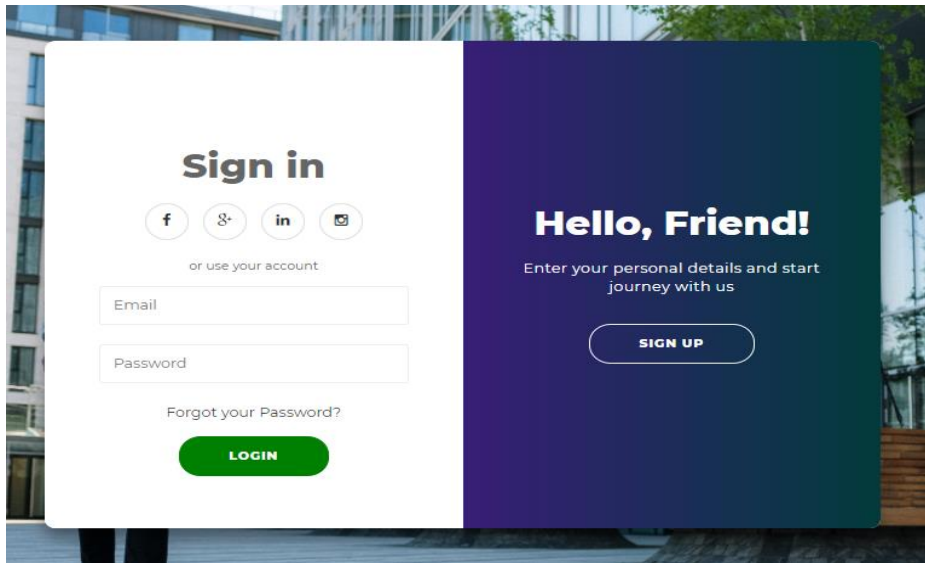


Fig3.2 (a): Registration page

Firstly, the user has to first registration. This page give first name then email and phone number after all give password. If he/she give these all and finally press the signup button which will become the registration.

Then he or she will be able to login with her email and password. Below is the picture of how to login

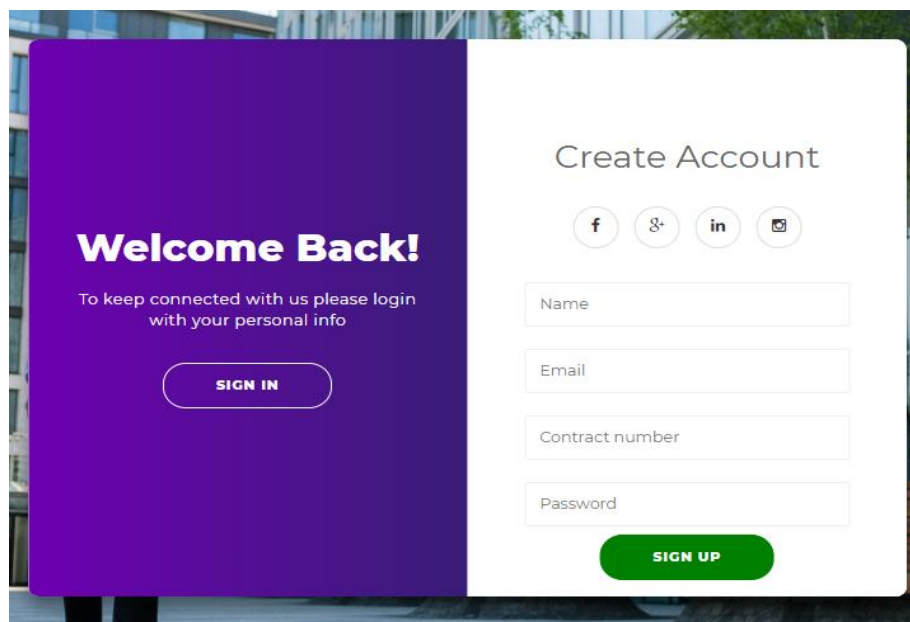
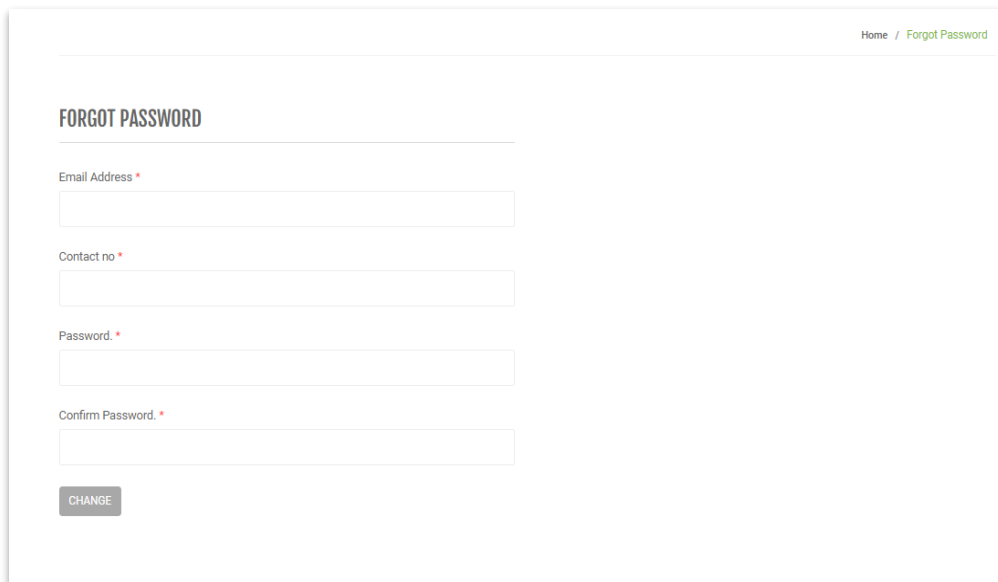


Fig3.2 (b): Sign in page

This page allow anyone to access our website and their email and password to use.

3.3 Reset password

Our website is going to have a password reset system if someone forget his password. This system showing below.



The image shows a web form titled "FORGOT PASSWORD". In the top right corner, there is a breadcrumb trail: "Home / Forgot Password". The form contains four input fields, each with a red asterisk indicating a required field: "Email Address", "Contact no", "Password", and "Confirm Password". Below these fields is a grey button labeled "CHANGE".

Fig 3.3: Reset password system.

3.4 Profile and Edit

Everyone has a profile on any website. In the profile, a user can his/her profile with his all data. He/she will be able to view and change his data by login into his profile He/she can showing his own profile in the website and also change her password easily. A user can showing their check out and add cart process. Showing what the user profile will look like on our website given below with picture.

Home / Checkout

1 MY PROFILE

Personal info

Name*

Email Address *

Contact No. *

YOUR CHECKOUT PROGRESS

- My Account
- Shipping / Billing Address
- Order History
- Payment Pending Order

2 CHANGE PASSWORD

Fig 3.4(a): user profile

Home / Checkout

1 MY PROFILE

2 CHANGE PASSWORD

Current Password*

New Password *

Confirm Password *

YOUR CHECKOUT PROGRESS

- My Account
- Shipping / Billing Address
- Order History
- Payment Pending Order

Fig3.4 (b): User profile can edit

3.5 View product

Details of a product have to be presented when it is given on the website. Because a user can view post and can show details information in our website. Every product has to write their details while inserting the product.

When a user enters our website, A picture of what product will look like shown given below.

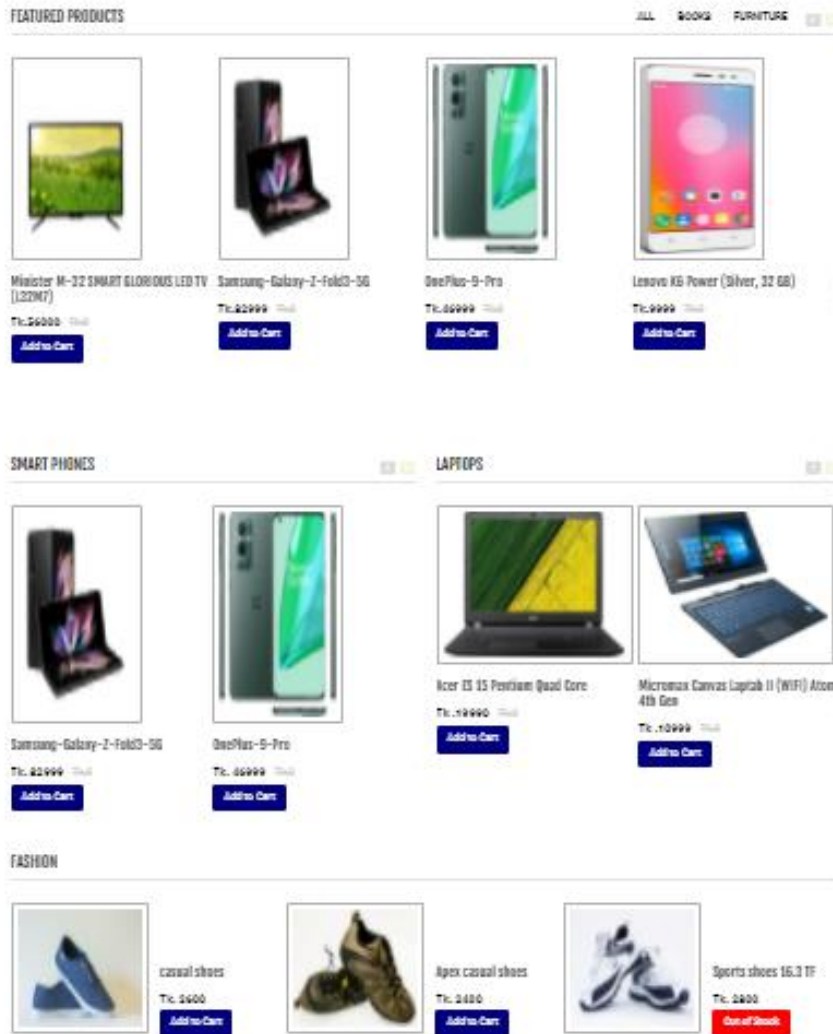


Fig 3.5: view product front page

3.6 Search product

Users can easily find a product, the reason is it may be difficult to find a product.

Within this in mind we have also given the search option on our website so that the user can easily get his product within reach.

Example is shown through the picture given below

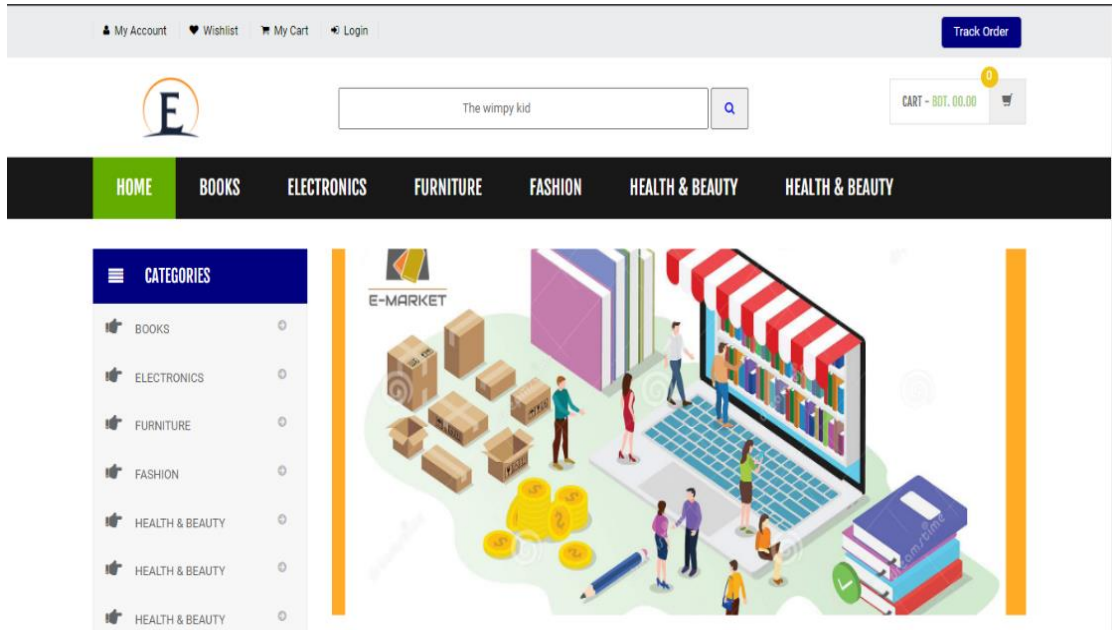


Fig3.6 (a): before search product

We write product on the search option “the wimpy kid. This is the picture before search After searching the picture showing below.

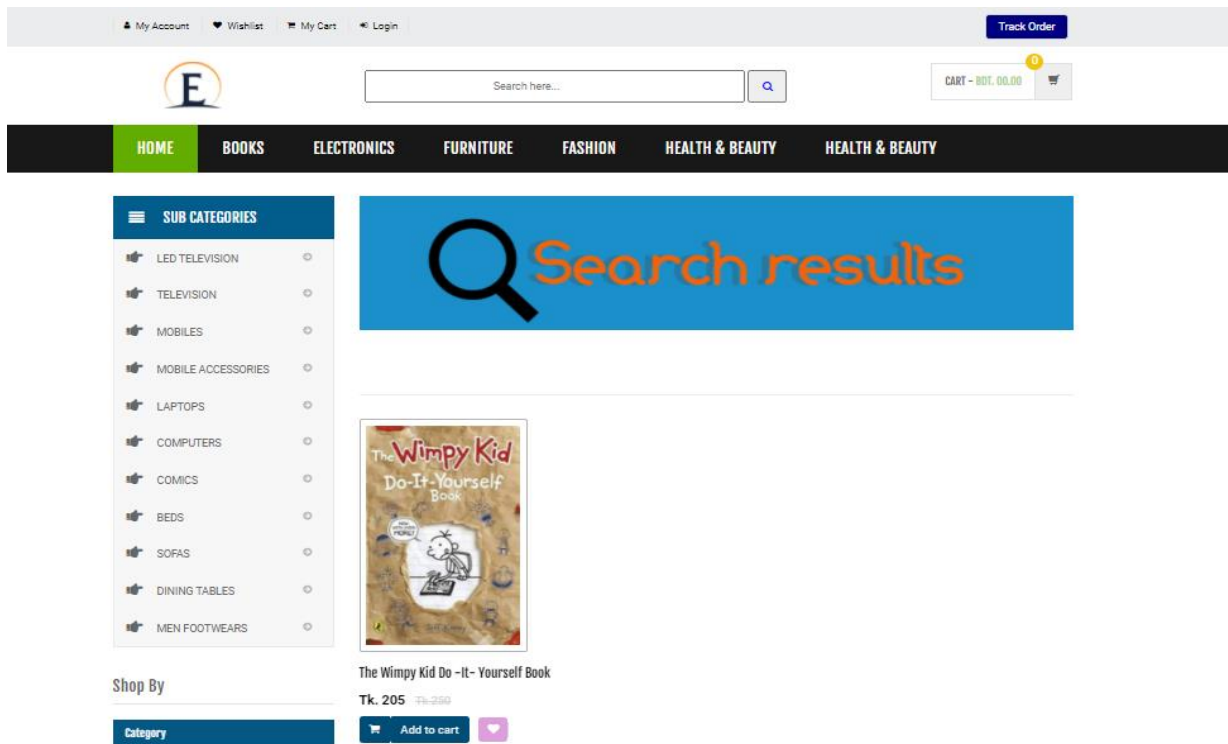


Fig3.6 (b): After search product

3.7 product details

When the user sees a product, he/she want to see the full information. We have kept that in mind in the full information option of the product.

Show what the product s full information duct action will look like given below this figure.

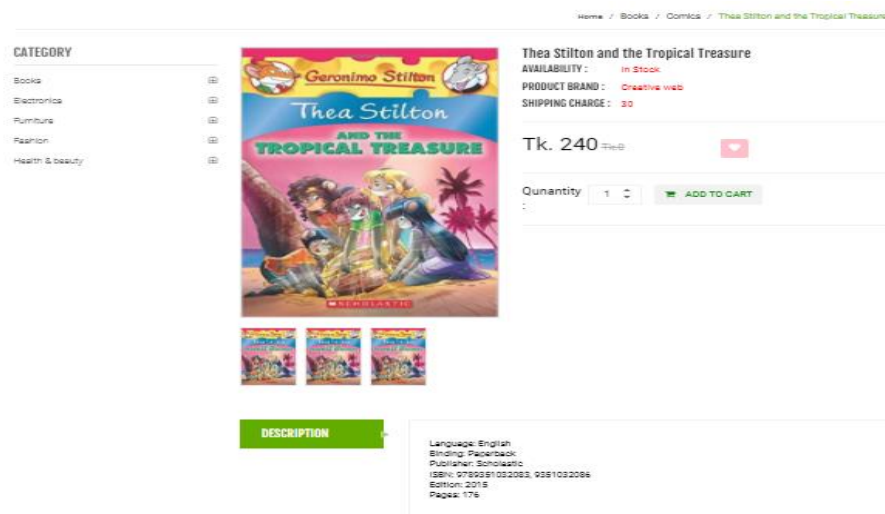


Fig3.7: product details information

3.8 Add cart process

A When the user look like any product thus the user obviously doing add cart. A user can maintain his/her event by checking going used, accept and reject new user payment. It is easy to operating one page, if the host accept or reject a payment request the user notify the email. Below trough the picture of how to add cart a product to our website

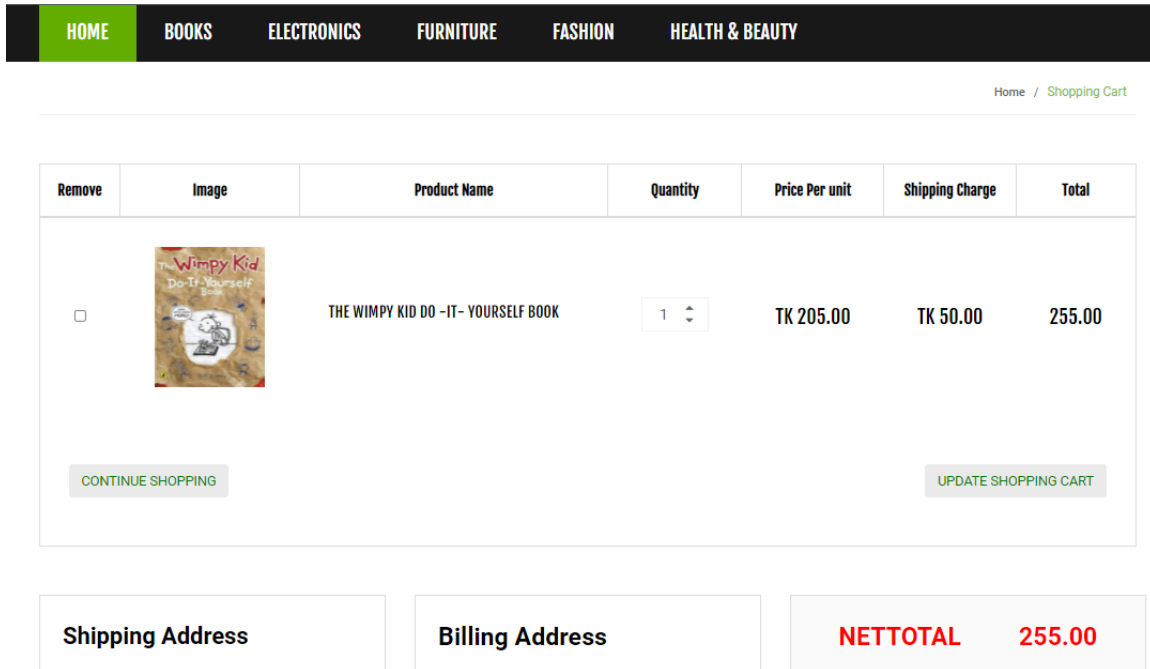


Fig3.8: add cart process

3.9 Track order

If some has order product but incidentally has not receive the product then we have use the track order option. Originally this option in create to get the whereabouts of the person who doing the ordering.

If we just order id and email give hare then the details of the product will come out.

Below this picture to showing figure.

TRACK YOUR ORDER

Please enter your Order ID in the box below and press Enter. This was given to you on your receipt and in the confirmation email you should have received.

Order ID

Registered Email

TRACK

Fig3.9: tracking order

This system is not just desktop or pc mode, It can also be used by mobile phone users. It fully responsive for mobile phone. If anyone want to see this product, want to add cart and wat to product details than mobile phone user are completely see this and can do all everything.

CHAPTER 4: FEATURE AND DESIGN BACK-END

4.1 Admin login

Normally is an ecommerce website have with and admin panel. We have to setup admin panel login and logout system on our website.

When admin can enter the website admin panel than first have to give admin name and then have to give the admin password.

By a picture shows a process below.

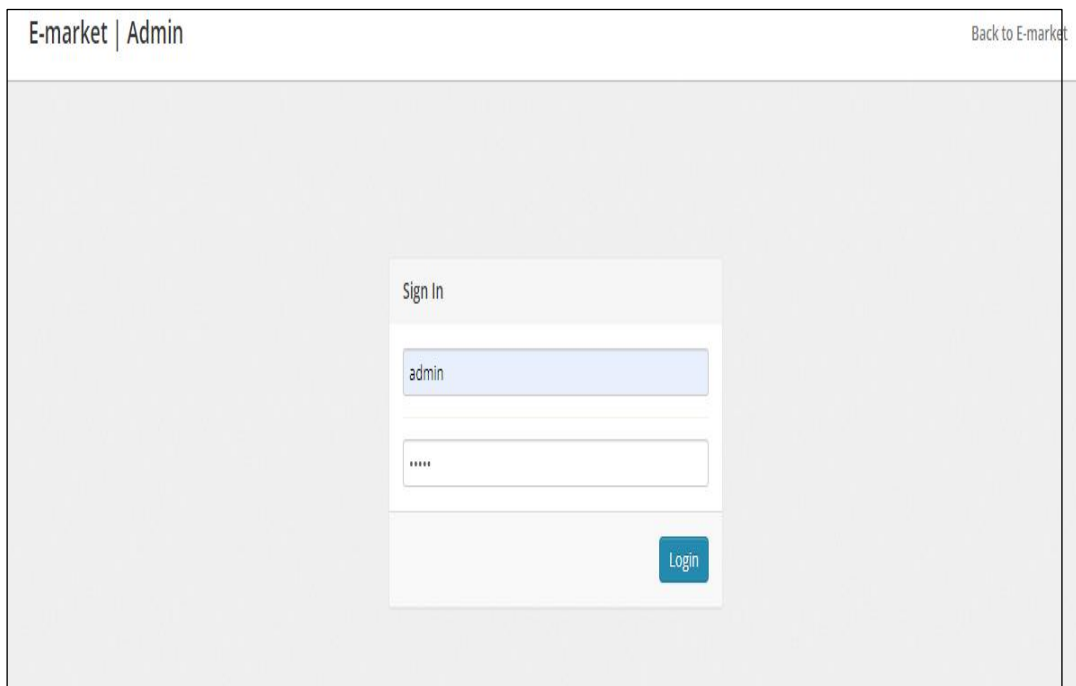
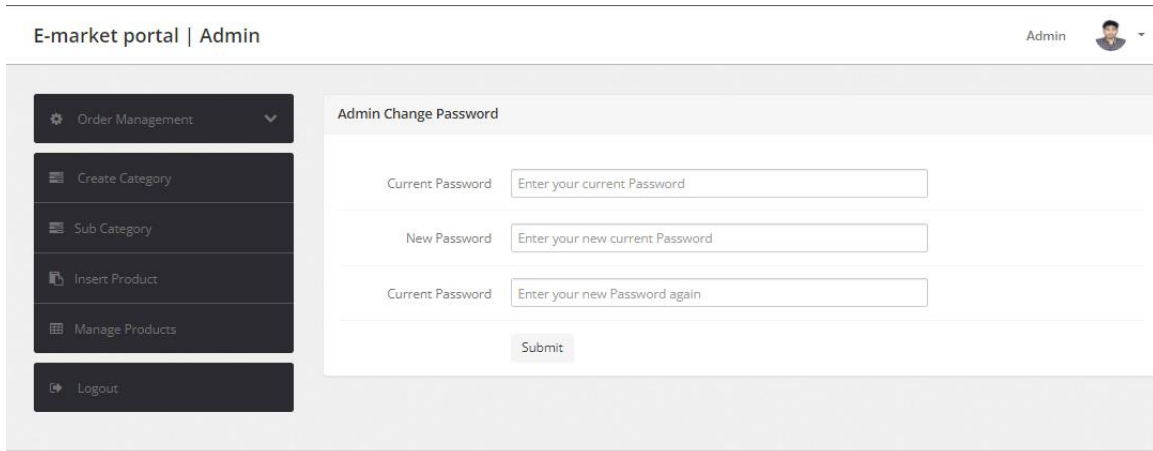
The image shows a web browser window with a light gray background. At the top left, it says "E-market | Admin" and at the top right, "Back to E-market". In the center, there is a white "Sign In" form. The form has two input fields: the first contains the text "admin" and the second contains six asterisks "*****". Below the fields is a blue "Login" button.

Fig 4.1: login admin panel

4.2 Change admin password

If the admin want to change the password then he can change the password very easily.

Below is a picture of how admin can change password on our website



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Fig4.2: admin change password

4.3 Create category

There are some categories in our main menu that can be maintain from here. If an admin add a category from here, he/she can add or subtract if he/she want.

I will show it through a picture given below.

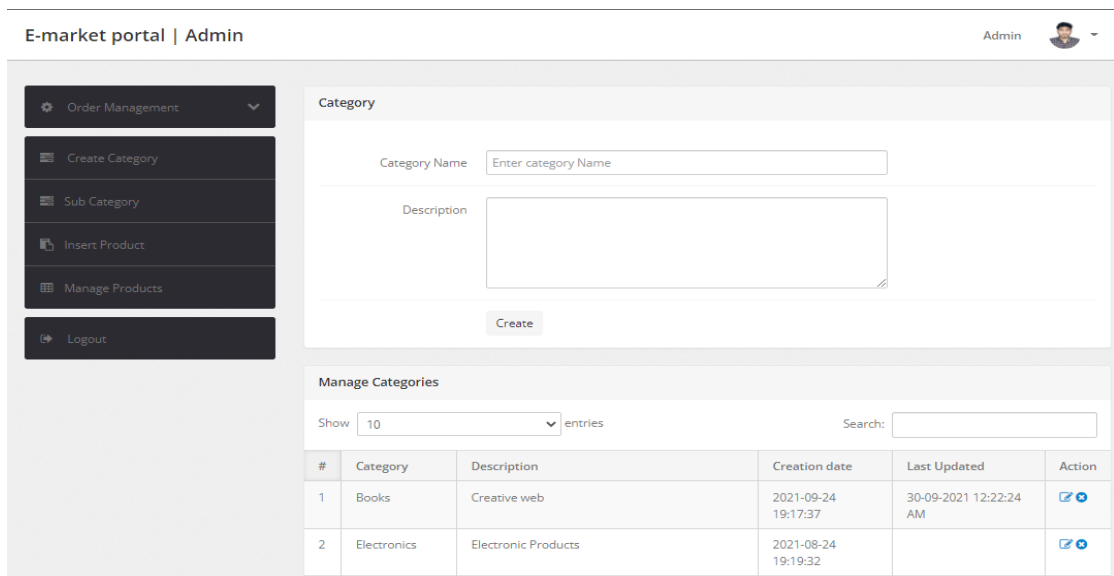


Fig4.3: Create category

This picture showing this firstly category name filed and description. Admin can any type of category name use and submit the create button.

4.4 Create sub-category

If admin want create many sub-category under main category and smoothly use it in our website.

Admin must have some rule, if create sub category must create a main category and submit this.

E-market portal | Admin Admin

Sub Category

Category:

SubCategory Name:

Sub Category

Show: entries Search:

#	Category	Description	Creation date	Last Updated	Action
1	Electronics	Television	2021-06-04 16:29:09		
2	Electronics	Mobiles	2021-06-04 16:55:48		
3	Electronics	Mobile Accessories	2021-06-04 04:12:40		
4	Electronics	Electronics	2021-06-04 04:12:00		

Fig4.4: sub-category create.

Two files are showing this picture, category field are main category. It's select mandatory. Second file is sub-category create. Admin can create this file.

4.5 product insertion

It is more important for all sector. If any companies wants to sell their product then they have to insert their product from here. If the size of the product is less or bigger than the front page product will not look good.

There are other thing to do when inserting a product that are not seen in the picture.

The screenshot displays the 'Insert Product' form within an 'E-market portal | Admin' interface. The form is structured as follows:

- Category:** A dropdown menu with the placeholder text 'Select Category'.
- Sub Category:** A dropdown menu.
- Product Name:** A text input field with the placeholder text 'Enter Product Name'.
- Product Company:** A text input field with the placeholder text 'Enter Product Comapny Name'.
- Product Price Before Discount:** A text input field with the placeholder text 'Enter Product Price'.
- Product Price After Discount(Selling Price):** A text input field with the placeholder text 'Enter Product Price'.
- Product Description:** A rich text editor with a toolbar containing various formatting options like bold, italic, underline, and font size/family selectors.
- Product Shipping Charge:** A text input field with the placeholder text 'Enter Product Shipping Charge'.
- Product Availability:** A dropdown menu with the placeholder text 'Select'.
- Product Image1, Product Image2, Product Image3:** Each field consists of a 'Choose File' button and the text 'No file chosen'.
- Insert:** A button at the bottom of the form.

For product insertion first work is main category select. Then sub-category select. This two filed is important for product insertion. Otherwise product insertion wasn't done.

Then fil in the product name filed. The front page will not showing any name without writing it.

This field have product description admin can write product description. And have image filed. It's important because this is the main part of front page.

Finally if press the insert button then product are inserted this website and any user can view this picture.

4.6 Admin logout

When the admin's work is done, He/she have to logout from website. Because of the security of the website.

So if admin want to get out our website admin can logout our system.

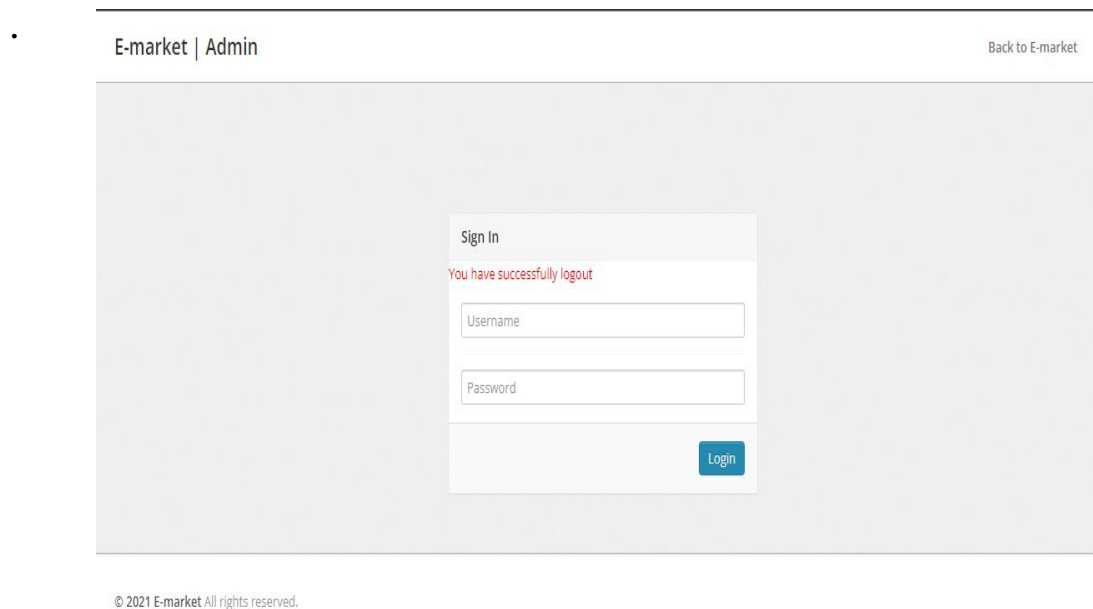


Fig4.6: logout system

4.7 Website authentication

Every website need a basic authentication system that specify user and give access to certain page. Here we will describe how to secure website authentication.

E-commerce platforms offer unlimited opportunities for small to midsize business to increases sales, but cybercrime and online fraud are also at an all-time high. We follow some steps to keep our site our customer data as safe as possible.

We follow six step to keep our website to be secure.

1. We promote good password hygiene
2. Use HTTPS
3. We choose a secure E-commerce platform
4. Don't store sensitive user data
5. Employ your own website monitor
6. Maintain a security-focused mindset

CHAPTER 5: CONCLUSION AND SCOPE.

5.1 Conclusion

It a lot of time to build a good website, there is a lot of work left on our website .We use a programing and markup language, and try to fully responsive and working smoothly . By showing product a user can accrue idea about online product. This project help us to do better understand the development process of modern dynamic E-commerce web application and technologies used implement it. We hope this project will achieve more contribute user and can buy more product and knowing our website. The design of the project which include data model and process with real life example.

5.2 Future scope

If someone want to do something, he/she has some goal behind him/his. There is also goal behind our project.

Our project is in more development process. We may add other feature so that the user may have a good user experience. We will add massage and payment for online payment. In future we add more feature in just time.

[1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12]

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