### ONLINE SHOPPING USING WEB APPLICATION

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# DAFFODIL INTERNATIONAL UNIVERSITY DHAKA, BANGLADESH MAY 2021

### **APPROVAL**

This Project titled "ONLINE SHOPPING", submitted by Shariful Islam and Naimur Rahman and Masturat Monjure Munna ID: 171-15-9361, 171-15-9570 and 171-15-9564 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 has been held on 01-06-2021.

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We hereby declare that, this project has been done by **Shariful Islam**, **Naimur Rahman** and **Masturat Monjure Munna** us under the supervision of **Md. Abbas Ali Khan Department of CSE** Daffodil International University. We 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**

The Web Application of online shopping is accustomed to bring out information from web based business. The web application has become the wellspring of seem business or business sites. The developing number of online business sites has placed clients in uncertainty to look for destinations to get a specific result of interest with the best cost and quality the record report a layout of the web framework which develop client occasion. The site license online clients to review item explanation and differentiation the costs of the specific item available on other online shopping destinations. This project was develop with Front-end: HTML, CSS, JAVASCRIPT, Back-end: PHP, Ajax, MY SQL. Produce and managing condition is a dare for IT, system, and Online Shopping projects or for any activity where you need to manage the promised Connection. Requirements good organic product survey and price compare are an activity that can deliver a high, quick return on the outcome. The project survey the system condition and then creates the condition description. It studies other connected systems and then design system description. The system is then create according to the statement to meet the condition. The system is created as an analysis and compare e-commerce system. The web application system distribute with data entry, confirmation, update, and deletion, while the collective system deals with system interconnection with management and users. There is also a community system where users can post knowledge there. Thus, the more than functions of this project will save the user time, and in consequence the user will also save money on the organization of the system.

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### **CHAPTER 1**

### INTRODUCTION

### 1.1 Introduction

This web-based project is an online shopping. There are some people who wants to order different types of organic food in online shopping, but they do not get the product of their choice People notice a problem in online shopping and need to get up to hurry to collect the correct item. We execute this project to make easier online shopping for various kind of organic food. There are many online shopping in websites but we try to different. Organic food is the main issue in online shopping. We have worked with a portion of our local sites. This site grants you to buy an assortment of things at the incredible expense and straight. Such a program is vital for Bangladesh so that individuals will be positive in online shopping. These days, individuals favor web based shopping in light of the fact that a great many people utilize savvy gadgets like tablets, mobile phones, workstations, and so forth to move toward these online business destinations. With this inclination online shopping is becoming rapidly generally broaden the quantity of online business sites has expanded the course of action of online clients to track down the best items for a worthy business. Albeit web based shopping keeps on growing, a couple of issues in sites. Many people order some organic food in websites but they can't get. We try to make solve this problem. In this project, the main task is we made a websites and it's based on sells organic food.

### 1.2 Motivation

More often than not, it is hard for people to pick the best organic items from online business webpage. We see people don't find organic food. Many time they are deceived. Many of us are buying product with the higher price, but it's not authentic. This abuse our time and build it hard to avow the thing. To tackle this issue, we make a website which based on organic food. We will try to give people as much authentic product as possible. After complete this website we will easily make any website and learn web development perfectly. That's why we choose this project.

### 1.3 Objectives

It is a websites of user friendly interface and gives the most ideal alternative to the client. The site will permit clients to login, information exchange, peruse, search, purchase and break down organic item. We will give approved usefulness of our task from certain highlights to this current framework where private associations and others can just view approved clients. We will guarantee that all customer get product with cheap price and browse easily in our website. We will check every time how many people browse our site and order. We will provide all the organic food find in our country.

### 1.4 Expected Outcome

The normal result of this task is people find the authentic organic product and people can easily browse our website. people in our nation are getting progressively subject to web based shopping. In the present circumstance, a great deal of online business has been set up in our country. Numerous online business is leading their exercises with a decent standing. Be that as it may, large numbers of these clients face misrepresentation. We will try to always give best service and product to our customer. We serve all organic product which finds on village, mountain etc. So by using this website users can easily purchase products from their home. User can easily give their opinion to our site by writing comment.

# 1.5 Methodology Development Model

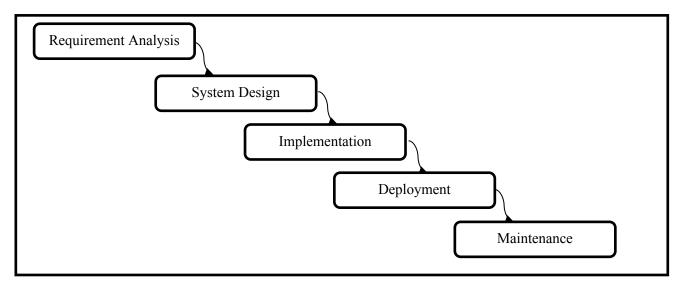


Figure 3.2: Development Model.

The sequential phases in Waterfall model are –

**Requirement Gathering and analysis** – All potential necessities of the framework to be created are caught in this stage and reported in a prerequisite detail archive.

**System Design** – The necessity determinations from first stage are concentrated in this stage and the framework configuration is ready. This framework configuration helps in determining equipment and framework prerequisites and helps in characterizing the general framework engineering.

**Implementation** — With contributions from the framework plan, the framework is first evolved in quite a while called units, which are coordinated in the following stage. Every unit is created and tried for its usefulness, which is alluded to as Unit Testing.

**Integration and Testing** – Every one of the units created in the execution stage are incorporated into a framework subsequent to testing of every unit. Post coordination the whole framework is tried for any deficiencies and disappointments.

**Deployment of system** – When the utilitarian and non-practical testing is done; the item is conveyed in the client climate or delivered into the market.

**Maintenance** – There are a few issues which come up in the customer climate. To fix those issues, patches are delivered. Likewise to improve the item some better forms are delivered. Support is done to convey these progressions in the client climate.

# CHAPTER 2 BACKGROUND

### 2.1 Related Works

The e-commerce industry is growing day by day. People will easily complete their shopping from online. There are many kind of ecommerce site available in our country like Daraz, evaly, aliexpress, bikroy.com etc [1]. These site offer all kind of product for sale on their site. But we will make a site which only serves organic product. We know the importance of organic product. There are many organic product that people can't even find. Even if found, it is not standard. So, we will try to make easier for people to buy these product from our site. Hope, the people of our country will be more interested in our website.

### 2.2 Challenges

We realize that people in Bangladesh are getting progressively reliant upon online shopping. Numerous people deal for certain exceptional issues when purchasing items on the web. Numerous people are stressed over the correct cost and nature of the item. Our principle objective is discover unique natural food to people and they will effectively purchase item from our site. We trust that this framework will profit numerous clients and we have attempted to make our framework interface simple to utilize..

### **CHAPTER 3**

# REQUIREMENT SPECIFICATION

# 3.1 Business Process Modeling

In this task, we're employed with the organic food which is presently at the highest point of interest. It will help construct trust in web based business. The client will actually want to purchase the correct item at a decent cost. Locally framework, customers will really need to give their analysis, which will benefit the buyer and make them sure about online shopping.

## 3.2 Requirement Registration and Buy Product

- ❖ Administrator Sign in.
- Client enrollment
- The Admin changes his secret word.
- The Admin changes his own data.
- Client Register the local area on this site.
- Client Login.
- ❖ The client changes his secret key.
- ❖ The client changes his own data.
- ❖ Select item and get it.

# 3.3 Use Case Modeling

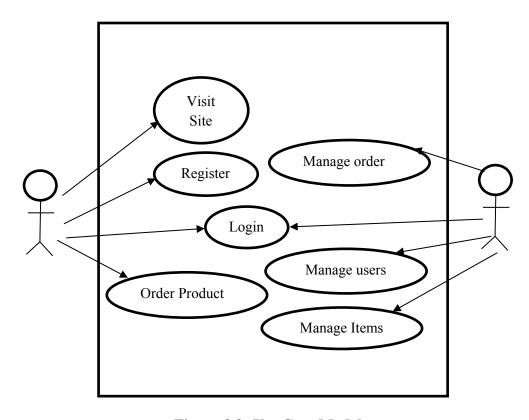
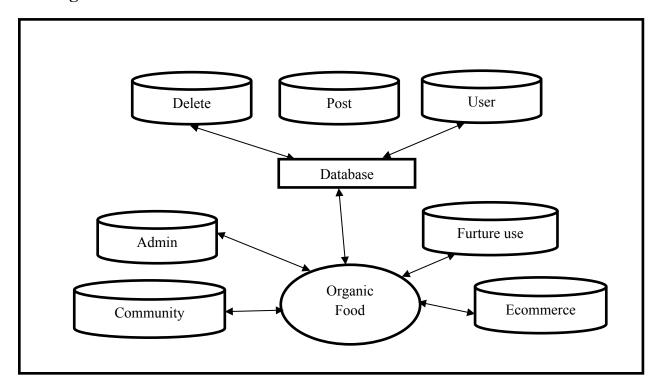


Figure 3.2: Use Case Model.

# 3.4 Logical Data Model



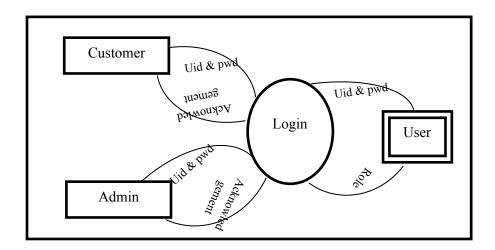


Figure 3.3: Logical Work Flow Diagram.

# 3.5 Er Diagram

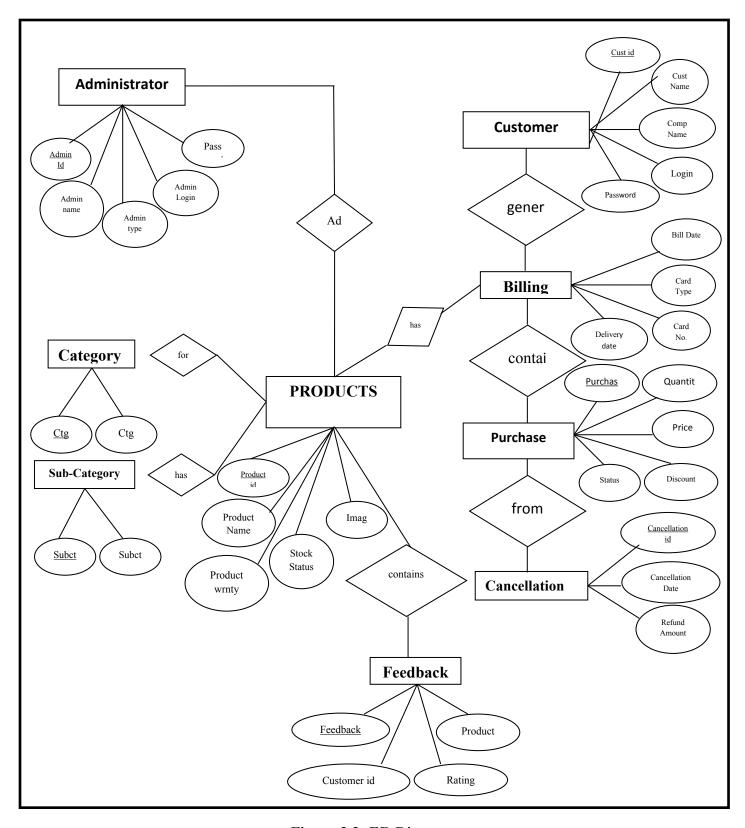


Figure 3.3: ER Diagram.

# 3.6: Design Requirements

Table 3.1: Login Requirements

Name for use Case	Login Information system		
Artist Sharing	Organization and Clients, web based business framework.		
Conditions for occasions	The Artist will be conceded to the username and passwords in the frameworks. The frameworks check the necessary approval.		
Access to Conditions	Login Information framework for the client in the named Artist and passwords whenever.		
Community	User can gave input.		
Requests for quality	This secret key Madness meets the intricacy prerequisite of this estimate		

Table 3.2: Administration requirement registration form

Name for use Case	Administration Registration		
Artist Sharing	Management		
Conditions for occasions	Client can share their experience		
States of section	Sign in consult framework for the client in the named Artist and passwords whenever.		
Condition for Departure	It ought to be coming without endorsements from approved people.		

Table 3.3: User registration form

Name for use Case	User Registration		
Artist Sharing	user		
Conditions for occasions	Client can share their experience		
States of section	Registration Data framework for the user.		
Condition for Departure	It should be coming without approvals from authorized persons.		

# CHAPTER 3 DESIGN SPECIFICATION

# 4.1 Front-End Design

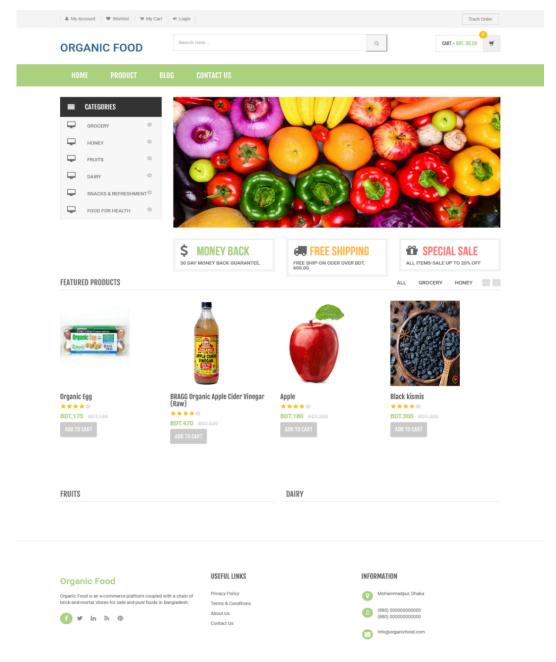


Figure 4.1: Web Home Page Design.

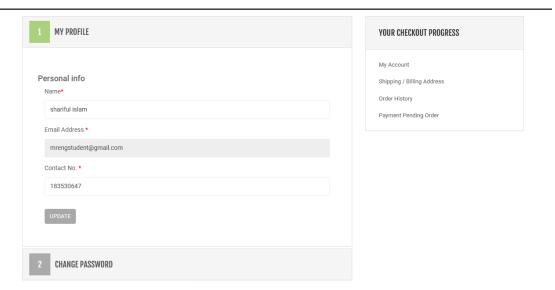


Figure 4.2: Personal Profile

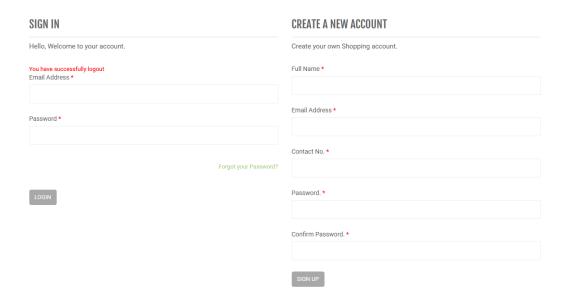


Figure 4.3: Create Account.

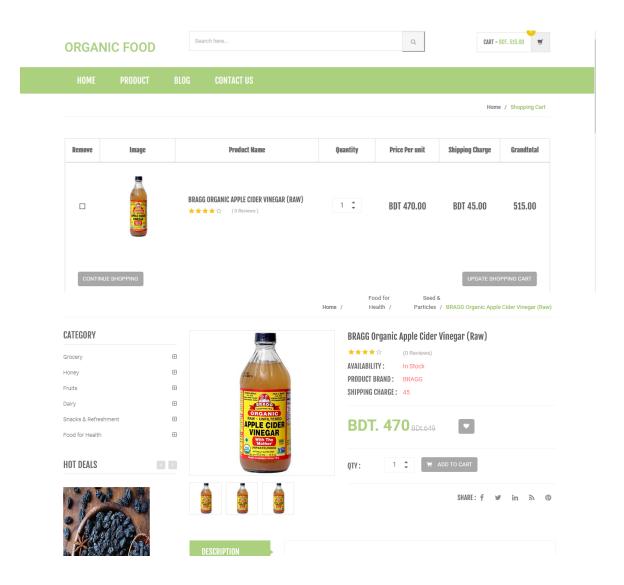


Figure 4.4: Page Design

## 4.2 Search Option

Organic food site do a ton of help to people. At the point when the client need to discover any item, they can without much of a stretch inquiry item by item name. Our framework is more than easy to understand, client can any time search their chose thing and they get a great deal of items on one page. They can undoubtedly choose their item and they can put in a request without any problem.

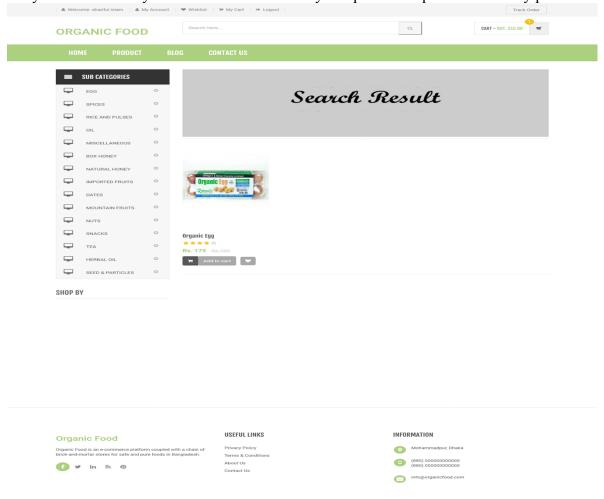
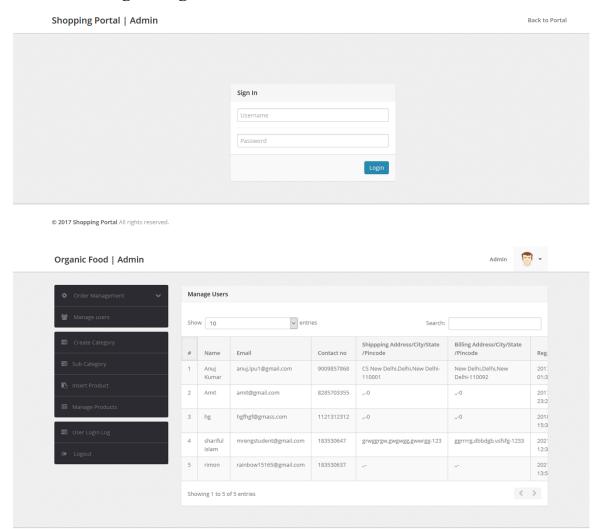
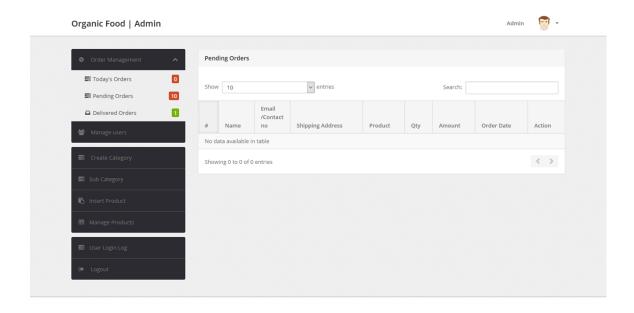
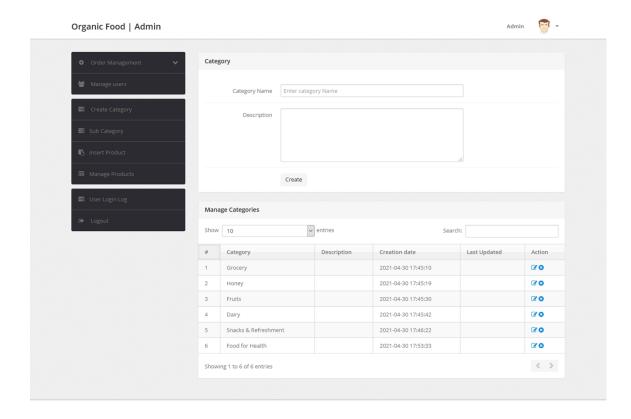


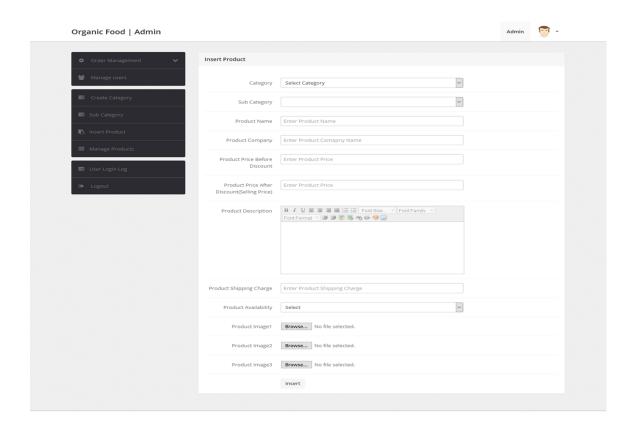
Figure 4.5: Search Result

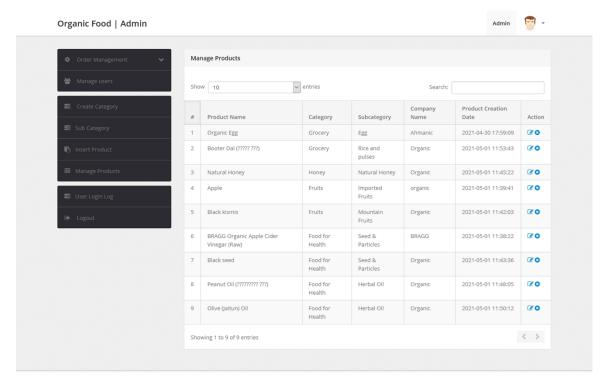
# 4.3 Admin Page Design











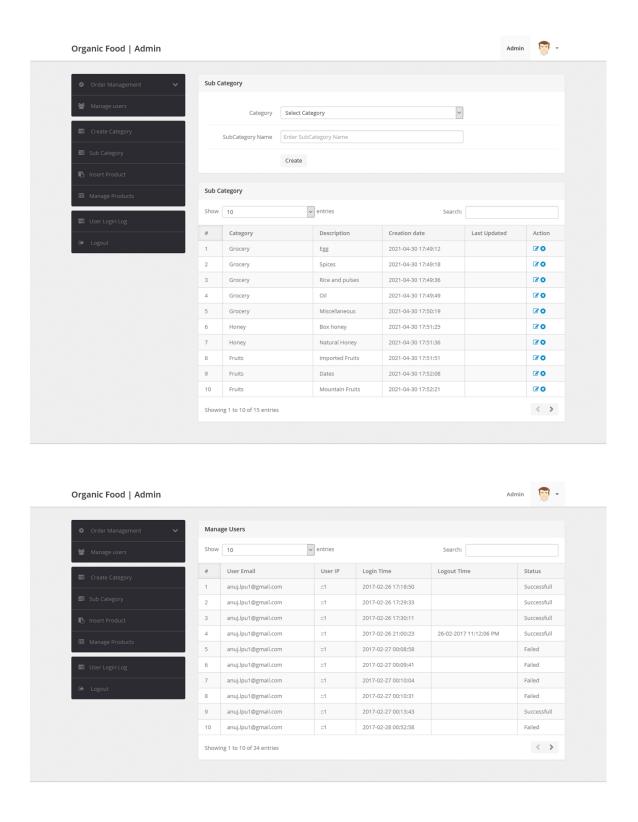


Figure 4.6: Admin Page

# CHAPTER 5 IMPLEMENTATION AND TESTING

### 5.1 Implement of Database

All different data sets are kept up for the online application. Chiefly comprising of the examination data of the enrolled product, login, signup, wish-list, web application database consisting of the records of the quantity of accessible items and check the items and furthermore affirm to confirm the web application framework informational collection. All databases will be hosted on panel C server [2]

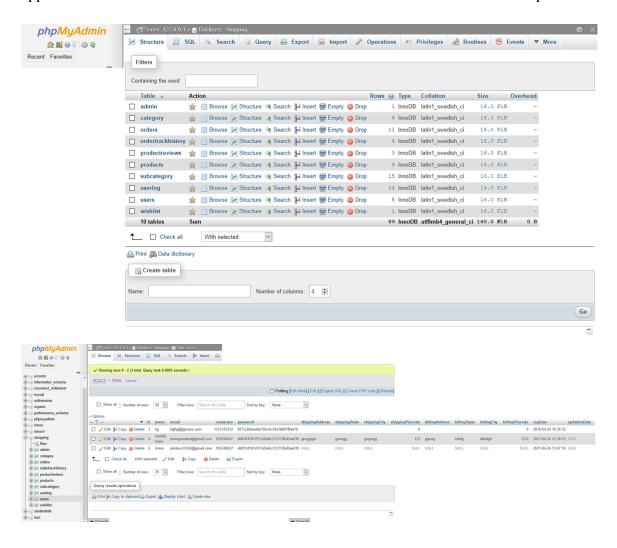


Figure 4.6: Database Option

# 5.2 Implementation of Front-End Design

#### HTML:

HTML represents Hypertext Markup Language and is the most usually utilized language for composing pages.

Hypertext alludes to the manner by which website pages HTML reports are connected together. Subsequently the connection accessible on a website page is called hypertext.

As the name proposes, HTML is a markup language. This implies that you are utilizing HTML to just "tag" a book archive with labels that tell an internet browser how it ought to be organized for show [3].

#### CSS:

Falling Style Sheets, warmly known as CSS, are a straightforward plan language that improve on the introduction of pages.

CSS assumes the presence of a site. With CSS, you can handle the shade of text, textual style, dispersing between sections, size and game plan of segments, what foundation pictures or tones are utilized, just as a large group of different impacts.

CSS is not difficult to learn and see, yet it gives incredible command over the introduction of a HTML report. Most usually, CSS is joined with the markup dialects HTML [4].

### **Bootstrap:**

Bootstrap is a free and open-source front-end system for planning sites and web applications. It contains HTML-and CSS-based plan formats for typography, structures, catches, route and other interface parts, just as discretionary JavaScript expansions. In contrast to many web systems, it frets about front-end improvement as it were [5].

### JavaScript:

JavaScript is a book based programming language that is utilized on both the customer side and the worker side and empowers you to configuration site pages intuitively. While HTML and CSS are the dialects that give construction and style to pages, JavaScript website pages give intuitive components that draw in the client. JavaScript is principally utilized for applications and internet browsers. Be that as it may, JavaScript is likewise utilized outside of the web in programming, workers, and controls for inserted equipment [6].

### 5.3 Implementation of Back-End Design

### Php:

Hypertext Preprocessor (or simply PHP) is a worker side prearranging language intended for Web advancement, yet additionally utilized as a broadly useful programming language. It was initially made by Rasmus Lerdorf in 1994,] the PHP reference execution is presently delivered by The PHP Group. PHP code might be inserted into HTML code, or it very well may be utilized in blend with different web format frameworks, web content administration frameworks, and web systems. PHP code is typically handled by a PHP translator carried out as a module in the web worker or as a Common Gateway Interface (CGI) executable. The web worker joins the aftereffects of the deciphered and executed PHP code, which might be any sort of information, including pictures, with the produced website page. PHP code may likewise be executed with an order line interface (CLI) and can be utilized to carry out independent graphical applications [7].

### Mysql:

MySQL Workbench is a bound together visual device for data set modelers, designers, and DBAs. MySQL Workbench gives information displaying, SQL advancement, and exhaustive organization apparatuses for worker design, client organization, reinforcement, and considerably more. MySQL Workbench is accessible on Windows, Linux and Mac OS X [8].

# **5.4 Implementation Test**

### **System Design**

Framework configuration includes change of the client execution model into programming plan. The plan detail of the proposed framework comprises of the following

- Database plot
- Structure outline
- Pseudo codes for the modules in structure outlines

### **Problem Analysis**

business framework is an automated, online answer for the different issues looked by the Product purchaser and dealer wishing to reevaluate their product improvement work to a Provider at a practical expense, in this manner accomplishing superior, precision, unwavering quality and high velocity of information recovery.

In this framework, there is an enrollment interaction each for the Product purchaser and vender. The Administrator of the site confirms the Provider after his enlistment and whenever fulfilled, relegates him a client name and secret word.

Our site can be utilized by any individual who is looking for Products whether he/she is first time visiting our site. Our site likewise gives some limited Products as same u get on any shop.

### The software covers the following point while keeping in mind user's requirement-:

- Fast online access of information about various Products.
- Search Products by keywords like functional area, experience and also by initials of the Product's name.
- Administrator will maintain the database and perform all process.

### There are 2 categories of users-

- 1. General User
- **2.** Registered Users

### **CHAPTER 6**

### CONCLUSION AND FUTURE SCOPE

### **6.1 Discussion and Conclusion**

Organic food is a framework that is an electronic application that permits a commercial center to purchase natural items and investigation. Notwithstanding the commercial center, what significance are purchasers, merchants, sellers, and assembling organizations. The commercial center affects the enlistment of buyers, merchants, and related online web based business. The "Organic Food" is developed according the current need in different Fields. This is Ecommerce Website which provides facility for purchasing organic food items. We need a high-quality web application to handle these tasks. To finish up the depiction about the agreement: The endeavor, made using PHP and MySQL relies upon the need detail of the customer and the examination of the current system, with versatility for future overhaul. This undertaking has a client side where he/she can see item classification and add items to truck and continue for checkout while from organization side he/she can see deals, number of item, clients, day by day deals report, add item and classifications.

### **6.2 Future Scope**

Project scope ordinarily implies sitting tight for the after effect of something. The degree is equivalent to the inspiration and objectives. In any case, there are some more extraordinary ones for this situation. The extension is waiting as we take our framework. This framework is produced for clients who purchase on the web and for the individuals who offer great arrangements in internet business. If we find success from this project, we make mobile application, more user friendly interface etc. we also improve security, increase our product etc. Emails and notifications shipped off clients for fresh introductions or rebate. There must be language assortments, so none-English clients and clients can shop effectively with no trouble.

### 6.3 Limitations

- Currently, we make this website for Bangladeshi users. In future we develop this project for worldwide users.
- Day to day product update problem.
- Trouble in distinguishing client without enrollment. In future we should beat this disadvantage by utilizing present day innovations.
- For selling item client can't sell now any item from our site. Only admin manage this.
- User interface is not so good. Hope we will do better.

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