

WEB DEVELOPMENT USING LARAVEL FRAMEWORK AT
MUNSHIELD ORGANIZATION.

MD. MESHKAT



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MUNSHIELD ORGANIZATION

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A report submitted
In partial fulfillment of the prerequisites
For the degree of
Bachelor of Science in Computer Science and Engineering

UNIVERSITY OF LIBERAL ARTS BANGLADESH
Dhaka, Bangladesh

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DECLARATION

I declare that this report/ project entitled “*Web Development Using LARAVEL Framework at MUNSHIELD Organization.*” is the result of my own research except as cited in the references. The report /project has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.

Signature : _____

Name : MD. MESHKAT

ID : 162014015

Date :

CERTIFICATE OF APPROVAL

The project report/ project entitled “Web Development Using LARAVEL Framework at MUNSHIELD Organization.” is submitted to the Department of Computer Science and Engineering at University of Liberal Arts Bangladesh (ULAB) in partial fulfillment of the prerequisites for the degree of Bachelor of Science.

Dated:

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Signature & Date

DEDICATION

To my lovely parents, who gave me endless love, trust, constant encouragement also their prayers over the years.

To my mentors and peers for their patience, support, love, and for enduring the ups and downs during the completion of this internship.

This report is dedicated to them.

ACKNOWLEDGEMENTS

I would like to thank our department head Prof. Dr. Md. Abdul Mottalib and my supervisor Mr. Satyaki Das for approving my report. I am thankful to Mr. Satyaki Das for his caring help and direction. I am additionally grateful to MUNSHIELD Organization for allowing me the chance to learn and get the genuine work involvement with such a magnificent workplace. My extraordinary gratitude to my association chief and Managing Director Mr. Muhtasim Munna, his commitment is profoundly respected and I am thankful for the time he provided for helping me to complete my targets.

I wish to express my most profound gratefulness to each one of the individuals who helped me, somehow, to finish this task. At first, I express gratitude toward Almighty Allah who gave me the quality, course and reason all through the tasks.

Special thanks to my academic supervisor Mr. Satyaki Das with all his understanding, direction and guidance for setting up this undertaking. His expert direction, help me to conquer every one of the challenges that I experienced in these three months.

Finally, I thank to my beautiful guardians for their endless help.

ABSTRACT

This internship report focuses on my contribution towards my company as a full stack web developer and achievements that I got from this three months internship program. This report provides the working process of the Web Development at MUNSHIELD Organization. My responsibility was to build a web development projects for the company promotion. This report explains my completed and contributed projects in this company. My internship report reflects the journey of my internship period which includes my work activities, experiences and the things I have learned through mistakes. This report concludes with the achievements in terms of professionalism and attitude that highlights the values of the internship program of myself.

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TABLE OF ABBREVIATIONS

CSE	Computer Science and Engineering.
ULAB	University of Liberal Arts Bangladesh.
CSS	Cascading Style Sheets.
HTML	Hypertext Markup Language is the standard markup language.
BMI	Body Mass Index.
UI	User Interface.
UML	Unified Modeling Language.

CHAPTER 1

INTRODUCTION

1.1 Overview

This report is about my three month internship at MUNSHIELD Organization. During my internship, I have learned full stack web development, new frameworks and also how to pursue clients. I have chosen MUNSHIELD Organization because I found that it is a new startup software companies. They are very motivated in working towards changing the development process in Software, Mobile App, Web Development and Games in Bangladesh. Though it is not as big as other software companies in Bangladesh but they are very helpful to the people and also very concern about their workplace.

As a student of Computer Science and Engineering (CSE), I wanted to work in a software firms or in a company as a software developer, web developer or mobile app developer. I wanted to work and learn how to be a good Web developer. Therefor when I got the opportunity to work in a MUNSHIELD so I grabbed the opportunity and started to learn from the workplace environment. I was curious at first about different kind of communication activities in organizations that helps them to create a good relationship with their clients. Additionally, how a software firm works with their clients' requirements.

As an intern I work as a full stack web developer for the company. In my report, I have described my works that I performed for MUNSHIELD.

1.2 Objectives

Before starting internship with MUNSHIELD, I had some expectations from the organization that certainly have been fulfilled. Moreover, I also have some objectives. Those objectives are given below:-

- Primary goals were to design and analysis and development of the next generation of web applications.
- Learning the corporate environment and be familiar with that.
- Learning project scope through popular technologies, market analysis and documentation.
- Coordinate development, implementation and maintenance among teams.
- Improving my soft skills, such as verbal communication.
- Learning how to maintain and improve existing products based on data given and analytical approach.
- Learning how to set success metrics of product and develop the strategy to achieve it.

- Learning how to support team to make sure that products are reaching targeted customers effectively.
- Knowing different techniques of data collection and analysis to extract the market demand.

1.3 Scope of the Report

This report is basically made for academic reason and to fulfill the requirements of the Department of Computer Science and Engineering (CSE) at University of Liberal Arts Bangladesh (ULAB). This report has mainly focused on Web Development section and their challenges and limitations. Also the report is more focused on my analytical improvement about web development progress.

1.4 Methodology

For setting up this report, data has been accumulated from both primary and secondary sources. These sources are clarified underneath.

1.5 Primary Source

For essential information, employees of MUNSHIELD gave me information throughout the internship process. Primary sources of data were Mr. Muhtasim Munna, Managing Director and Head of Web Development and Mr. Abir Ahmed, Senior web developer at MUNSHIELD.

1.6 Secondary Sources

For the additional data, I collected them from various websites and the sources that are given in the references.

1.7 Limitations

I only worked at the Web development division, and it was quite difficult to understand about the procedure and collect the information from other division. Some concerned might think that the information associated with them were confidential enough to disclose to the external world. Another problem was time constraint. The duration of my work was only three months. But this period of time is not enough for a fully complete and clear work. So because of the limitation of information some assumptions were made. So there may be some personal mistakes in the report. Although there were many limitations I tried to give my best effort to furnish the report.

CHAPTER 2

COMPANY PROFILE

2.1 Company Overview

MUNSHIELD Organization is one of the promising web development, game development and mobile application development organizations of Bangladesh which targets making another standard in the time of software innovation.

MUNSHIELD Organization. is outstanding amongst other software companies in Bangladesh for its commitment to Software Solution, Web Development, Mobile app Development and Game Development, I viewed myself as opportune to get the opportunity to investigate their advancement strategies, modern conduct, working models, and arrangements. I was proposed to design and develop the Websites by using the popular and secure frameworks and technologies. In spite of the fact that my company works for every stage of Software Solution, Web Development, Mobile App Development and Game development, I found the opportunity of working with Web Development at MUNSHIELD.

2.2 General Information of Company

Company Name	MUNSHIELD Organization.
Address	Road #06, House #77, P.C Culture Housing, Mohammadpur, Dhaka 1207
Year of Establishment	2019
Contact Number	+88 0130 999 2053
Email	hr.admin@munshield.org
Company Website	https://munshield.org/

Table 2.1: General information of MUNSHIELD Organization. [1]

2.3 Mission

- Being professional web development, mobile application, game development and digital marketing company.
- Our mission is to provide customer-centric, result-oriented, cost-competitive innovative & functional IT Solutions to our valuable global clients. [1]

2.4 Vision

- Our vision is focused on constant innovation as our key for achieving the ultimate goal of success and emerge as globally recognized company by providing the superior quality services and solutions. [1]

2.5 Using software's and frameworks:

The project I had done for MUNSHIELD is Food Lover.com This Table shows the software's and frameworks list those I used for my development at MUNSHIELD Organization.

Sl. No.	Software Name
1	LARAVEL (Framework for Web Development)
2	Sublime Text (IDE) for Writing code.
3	Google Chrome (Web browser).
4	XAMPP (local web server).
5	Meister Task (Software) for giving everyday work upgrade.

Table 2.2: Used software's and frameworks.

2.6.1 Software Development

MUNSHIELD helps to create programming without any preparation. MUNSHIELD group of System experts chip away at the arrangement engineering in a manner with the goal that the arrangement is intended to tackle our customer's custom issues. They bring business and application designer ranges of abilities together to conclude the necessary specialized prerequisites and build up the most ideal arrangement.

2.6.2 Mobile Application Development

MUNSHIELD help to create portable application all the way. MUNSHIELD organization perform programming advancement takes a shot at the premise of customer request such that the finished result is exceptionally versatile and can likewise be effectively kept up. We bring business and application engineer ranges of abilities together to help assemble all business and specialized prerequisites together to create and convey the arrangement.

2.6.3 Web Development

Web Development is the art of creating ideas and describes the design, development and release of a website. MUNSHIELD are also provide services web development using new, popular and secure technology. As web development is a large industry so they are already it this industry and provide websites to their clients, also maintain and provide security of these websites.

2.6.4 IT Infrastructures

MUNSHIELD offers state-of-the-art data security measures spanning physical monitoring, redundant, continuous & protected power infrastructure, as well as fire prevention, detection & suppression system. The policies are practices used by our system helps prevent from any accidental loss & thus avoid unnecessary downtime.

2.7 Clients

- Rabbi spare parts.
- Muhurtoo Bangladesh.
- Insaf Trading.

2.8 Working Environment

MUNSHIELD Organization has a wonderful and very friendly working environment as a software development company. As an intern, I found interesting thing that the working environment is totally different from what I thought. Everyone in the office is very helpful, specifically with the interns.

CHAPTER 3

FRAMEWORKS, LANGUAGES AND LIFE CYCLE

3.1 Frameworks used for Web Development

3.1.1 LARAVEL

LARAVEL is an open-source PHP framework designed to make developing web apps easier and faster through built-in features. It has a complete authentication system. A portable, virtual development environment and Object-relational mapping. It separates the application into three parts: the model, the view, and the controller, they are:

1. Model:

The Model component corresponds to all the data-related logic that the user works with. This can represent either the data that is being transferred between the View and Controller components or any other business logic-related data. For example, a Customer object will retrieve the customer information from the database, manipulate it and update it data back to the database or use it to render data.

2. View:

A view is the means of displaying objects within an application. The View component is used for all the UI logic of the application. For examples include displaying a window or buttons or text within a window or the Customer view will include all the UI components such as text boxes, dropdowns, etc. that the final user interacts with. It includes anything that the user can see.

3. Controller:

Controllers act as an interface between Model and View components to process all the business logic and incoming requests, manipulate data using the Model component and interact with the Views to render the final output. For example, the Customer controller will handle all the interactions and inputs from the Customer View and update the database using the Customer Model. The same controller will be used to view the Customer data. [2]

3.1.2 BOOTSTRAP

Bootstrap is a free and open source front end development framework for the creation of websites and web apps. The Bootstrap framework is built on HTML, CSS, and JavaScript (JS) to facilitate the development of responsive, mobile-first sites and apps. Bootstrap is the most popular CSS framework for developing responsive and mobile-friendly websites. 4.4 is the latest version of bootstrap now-a-days. [3].

3.2 Language used for Web Development

Languages that I used for developing the website are: HTML5, CSS and JavaScript, PHP.

HTML: Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser.

CSS: CSS stands for Cascading Style Sheets. CSS describes how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once.

JavaScript: (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it.

PHP: PHP: Hypertext Preprocessor (earlier called, Personal Home Page) PHP is an HTML-embedded, server-side scripting language designed for web development. It is also used as a general purpose programming language. [4].

3.3 Life cycle in Web Development

Every web development project should follow the following phases. In this project they are also try to follow to develop the project. Many additional developments and steps may depend on the type of the product. Before the website is published, issues and bugs are identified by the developer and no issues will arise.



Fig-3.1: Web development life cycle.

- Discovery: Requirement Gathering or Planning of the project.
- Documentation: Analysis of information what is useful to the user.
- Design: a plan or specification for the construction of the project.
- Development: Implementation and Coding of the project.
- Deployment: Testing and QA conduction of the project.
- Maintenance: updates and monitor of the website.

CHAPTER 4

PROJECT COMPLETED

4.1 Overview

After joining MUNSHIELD Organization., I was assigned with a work to develop a food and health related website which had to be responsive and secure by using a popular framework. I worked hard to accomplish the task by using a popular framework called LARAVEL.

4.2 Challenges

As a new developer this whole project was a challenging task for me. The reason is I had short time to learn about the technology and the framework that I would be using. Additionally, I had the responsibility to make the website which will be responsive and the view of the website as it is food and health related website. During my work, I faced the following challenges:

1. The first requirement from the company was that the website should have to be good looking and it should also be user friendly.
2. The website should have to be responsive, which means it cannot lose its beauty when user will browse it in mobile and tablet instead of computer.
3. The third requirement they told me to develop the website using framework which was a big challenging task as I have no idea about LARAVEL framework.
4. One of the challenging task for me was to code for developing the website in such a way that other programmer can modify (if needed) code and they can easily identify the necessary section of that code, which is the best practice.
5. In the time period of developing this project I focused on developing it and I had to collect information from different department of the company which was tough enough because of limited time.

4.3 Solutions

Though it was tough enough to complete such kind of website using LARAVEL framework which was totally new for me and because of the lack of knowledge I found it tough but with the support of my supervisor in the company I was able to complete this type of project in the given deadline.

Some challenges I faced but my boss or my supervisor helps me a lot to find the solutions of those challenges easily. Solutions of those mentioning challenges are given below:

1. While designing the website my first priority was it should be look good as it is a food and health related website. So I made a design by myself keep in mind about user friendly and the design is selected by my supervisor and we also choose appropriate colors which makes the website beautiful also user friendly.
2. Bootstrap is more responsive than any other web technologies which I found in the development process.
3. When I made mistakes on LARAVEL Framework my office supervisor correct it and after practice it was clear to me.
4. While coding for the project after each section of code were completed I separated them with the necessary comments and also made a different div for each section which helps me to easily find out any code instantly.
5. It was difficult to collect information from each department, but my colleagues helped me to collect the information that I looking for.

4.4 Why LARAVEL?

LARAVEL makes the development process simpler and enjoyable for the developers. It automates several commonly performed tasks and makes the development process time-efficient. With the LARAVEL Framework, you can build your website, from scratch, just as you desire it to be. It is a highly flexible framework that lets you fully utilize its potential. A striking advantage of the LARAVEL Framework is that you can start as small as a single page website and later expand it to a complex website.

Some impressive features of the LARAVEL Framework are: Database Migration, Database seeding, Seeding, Data Scheduling, RESTful routing etc. Some of the other reasons why I think using LARAVEL will be good are given below:

1. It has elegant syntax, it is very popular because it allows web applications to be constructed quickly and make them easy to maintain afterwards.

2. The source code of LARAVEL is hosted on GitHub and is distributed under an open source license, so it's available for anyone to use.
3. It has a lot of features like Database migration, database Seeding, Scheduling, queuing and notifications etc.
4. It has command line interface called Artisan which is mapped to be sub-commands which simplifies the process of building and managing LARAVEL -Based apps.
5. It works on modular bases with lots of free build functions available.
6. Things like form validations and user authentications are built in LARAVEL, which means they don't need to be invented for each new tasks.
7. The code is designed to be simple readable and elegant make it easy for developer to understand what's happening if the code was created by someone else.
8. Testing is integrate into the LARAVEL framework too, so the resource intensive business of writing test procedures for each new task is reduce too.
9. Recent additions to the platform include LARAVEL Scout which allows full text searches to be performed.
10. LARAVEL Passport which is Auth2 ready server which makes API authentication simpler and LARAVEL has thriving and helpful developer community. [5].

While working on the project on LARAVEL framework some of the things we are very concern about are given below:

- I. The UI should be easy and user friendly.
- II. Any change made on UI must also be changed in the database at real time.
- III. Profile of the user where data are shown must be accurate.
- IV. All contents in database tables must be accessed correctly.
- V. All buttons on GUI should work properly.

4.5 Comparison

While researching I had compared React JS, LARAVEL, Angular JS, Vue JS and Word Press which is a CMS in Google Trends. In the result I had found that in USA most developers use React JS, in India most developers use Word Press and in Bangladesh almost 70% developers use LARAVEL for web development. As LARAVEL has a large community in Bangladesh the demand of job market for LARAVEL in Bangladesh is good so I use LARAVEL in my project. The results found in Google for LARAVEL and other frameworks are given below: [6].

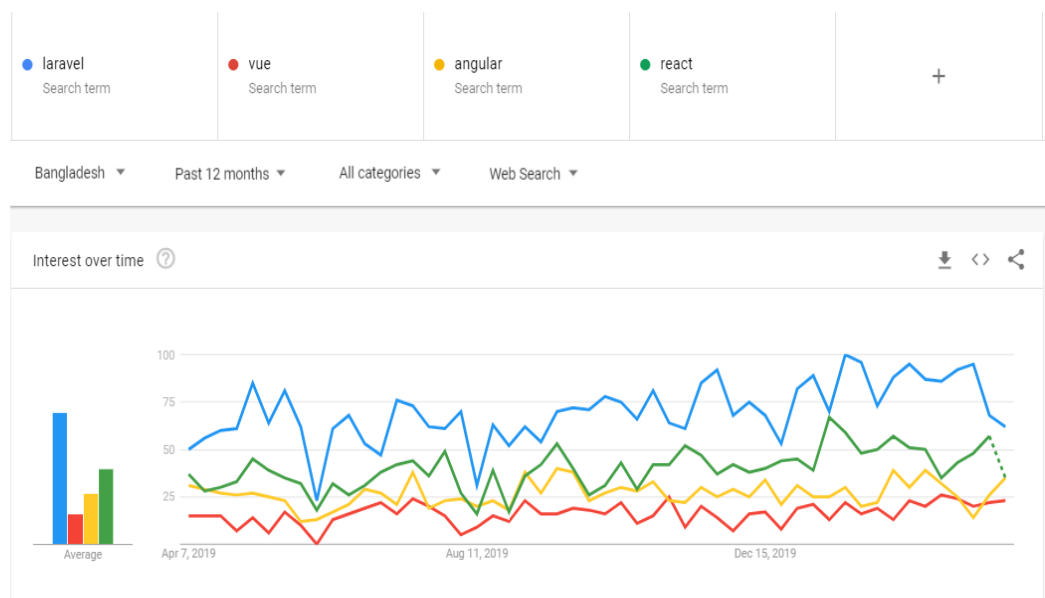


Fig-4.1: Comparison of LARAVEL with other framework.

4.6 Web Development Description

In Figure 4.2, this is the first look of Food Lover.com that I designed for the company. The website loading time is fast and responsive which has simple and beautiful interfaces. This website helps the clients/visitors to find all relevant information to know about the website easily.

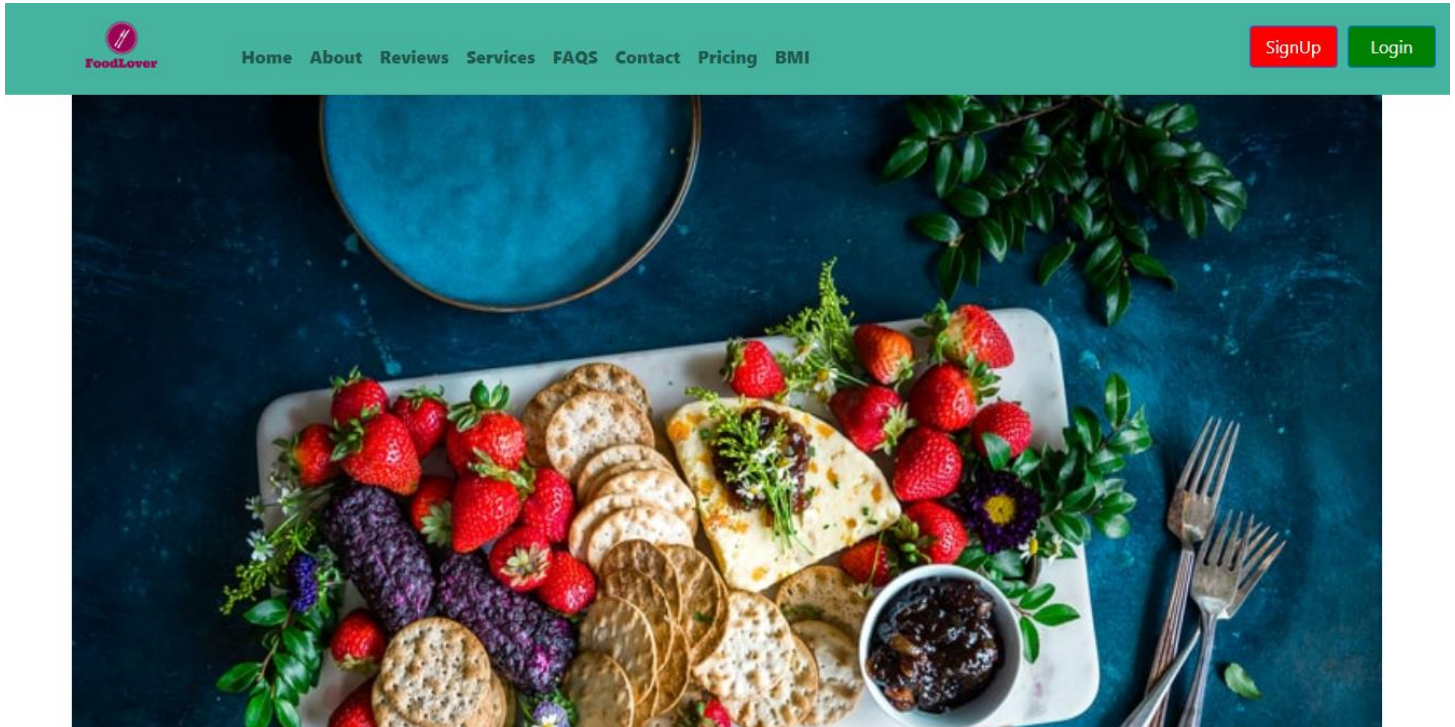


Fig 4.2: First look of the website designed for Food Lover.

Figure 4.3 & 4.4 shows the 'Homepage' designed for Food Lover. These images slides automatically after few seconds. It contains navigation bar which has all the pages name. Visitor can route to that page by clicking on the page name. It also contains the summary of the whole website such as services, Contact, about, review, etc.

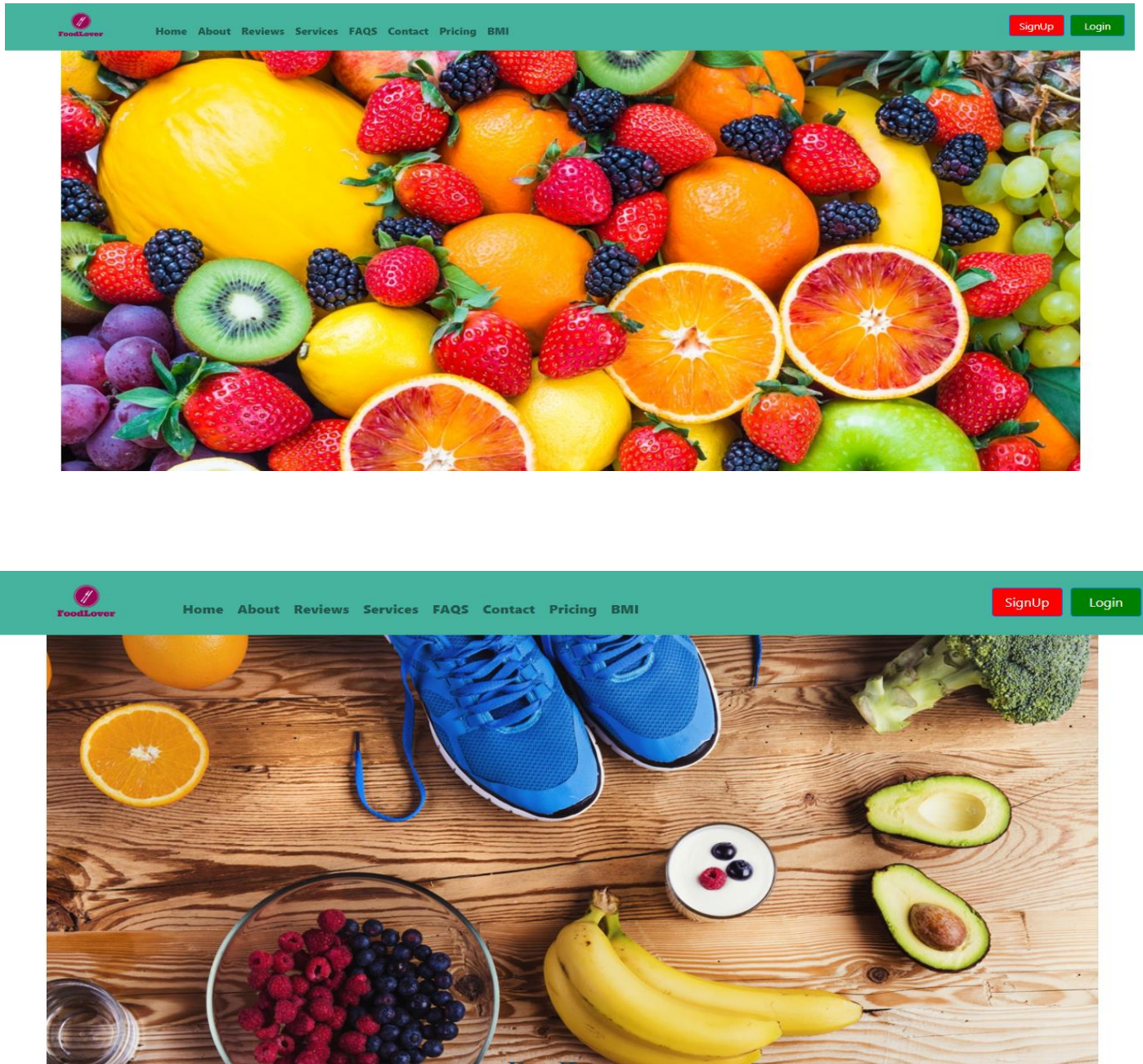


Fig 4.3-4.4: Slider Images of first look designed for Food Lover.

Figure 4.5 & 4.6 shows the service and about us section of Homepage designed for Food Lover. In service section there is you tube link connect in the web pages. And in about us section there is a check more button and after clicking on it the full about us page are shown.

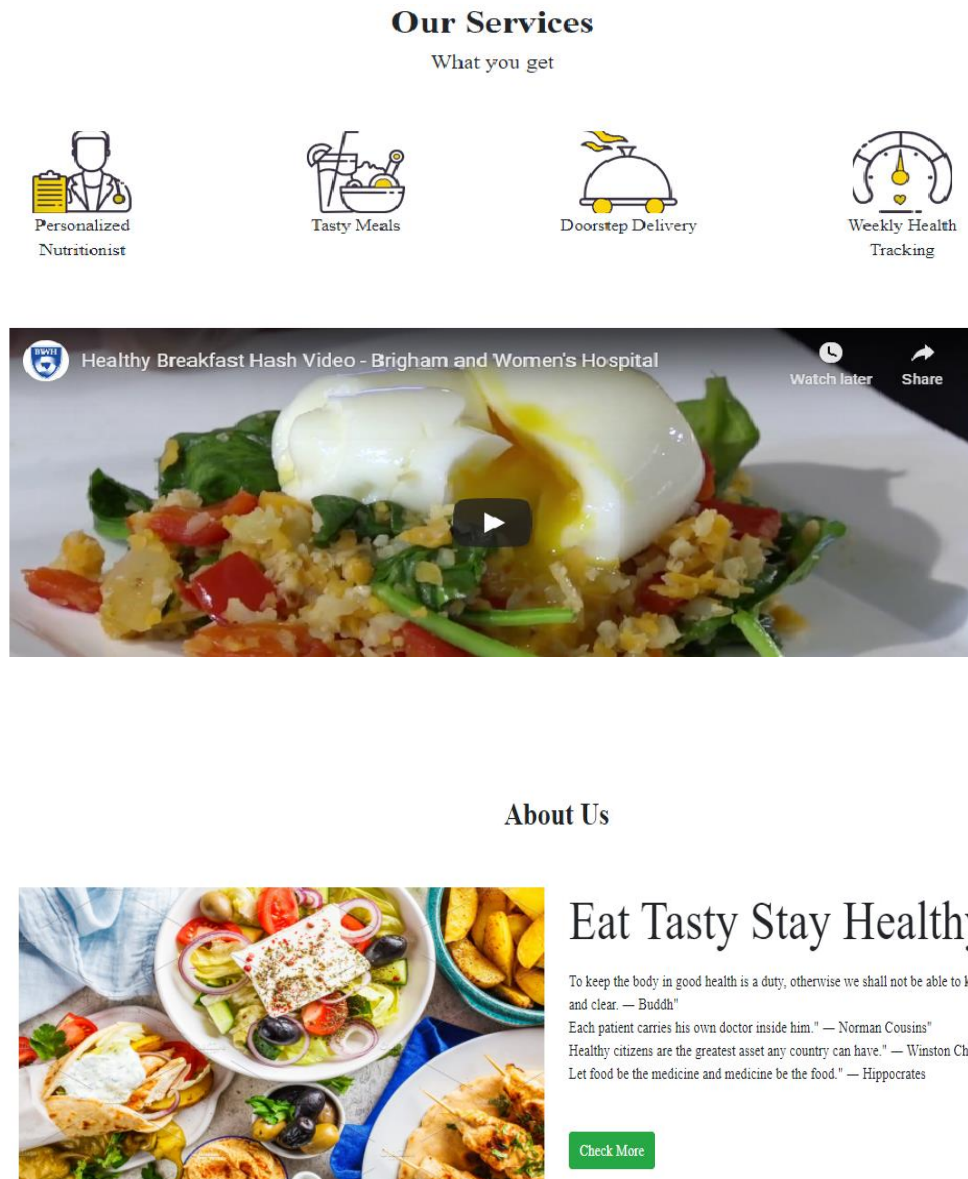



Fig 4.5-4.6: Our services & about us section designed Food Lover.

Figure 4.7 & 4.8 shows the review and FAQs section of Homepage designed for Food Lover. In review section people can see some of customer review in the website. And in FAQs section there are some question those may arise in users mind and click on the question the can see the answer.


Your Return is greater than your Investment
See what people Tell about us



"FoodLover took care of my extreme likes and dislikes as if I was very Important to them." Thanks FoodLover.

Mostafizur Rahman, 32
Business Man


★★★★★



"Can't believe how many ways you guys can make Foods! I also loved the ways you guys serve!"

Abdullah Ansari, 37
Textile Engineer

★★★★★



"I've lost 9 kgs in 2 months! Sustained weight loss, heightened confidence, mother-like customer service. It's a blessing."

Sadia Afrin, 26
Marketing Manager

★★★★★

Common Questions and their answers(FAQS)

Why do I need to purchase a package? Why can't I order everyday?

Are there any kind of initiation fees or hidden fees here?

Why should I trust you with such an important thing like food on FoodLover?

How many people have actually lost body weight or gain weight?

Will my weight be maintained? I'm worried I'll gain it all back after the subscription ends

We will be weaning you off the diet which will ensure that you don't put too much weight back. If you follow our guidelines, you'll not face any problems. The general weight gain due to water retention is 500-750 grams. Don't worry, we are with you even after you have completed your subscription.

What if I want to change the package that I take while subscription?

What is the refund policy of yours?

Fig 4.7-4.8: Review & FAQs section designed Food Lover.

Figure 4.9 & 4.10 shows the contact us section of Homepage designed for Food Lover. In contact us section people can call or Email us with just one click. Also people can find our location in Google maps by clicking find in maps button.

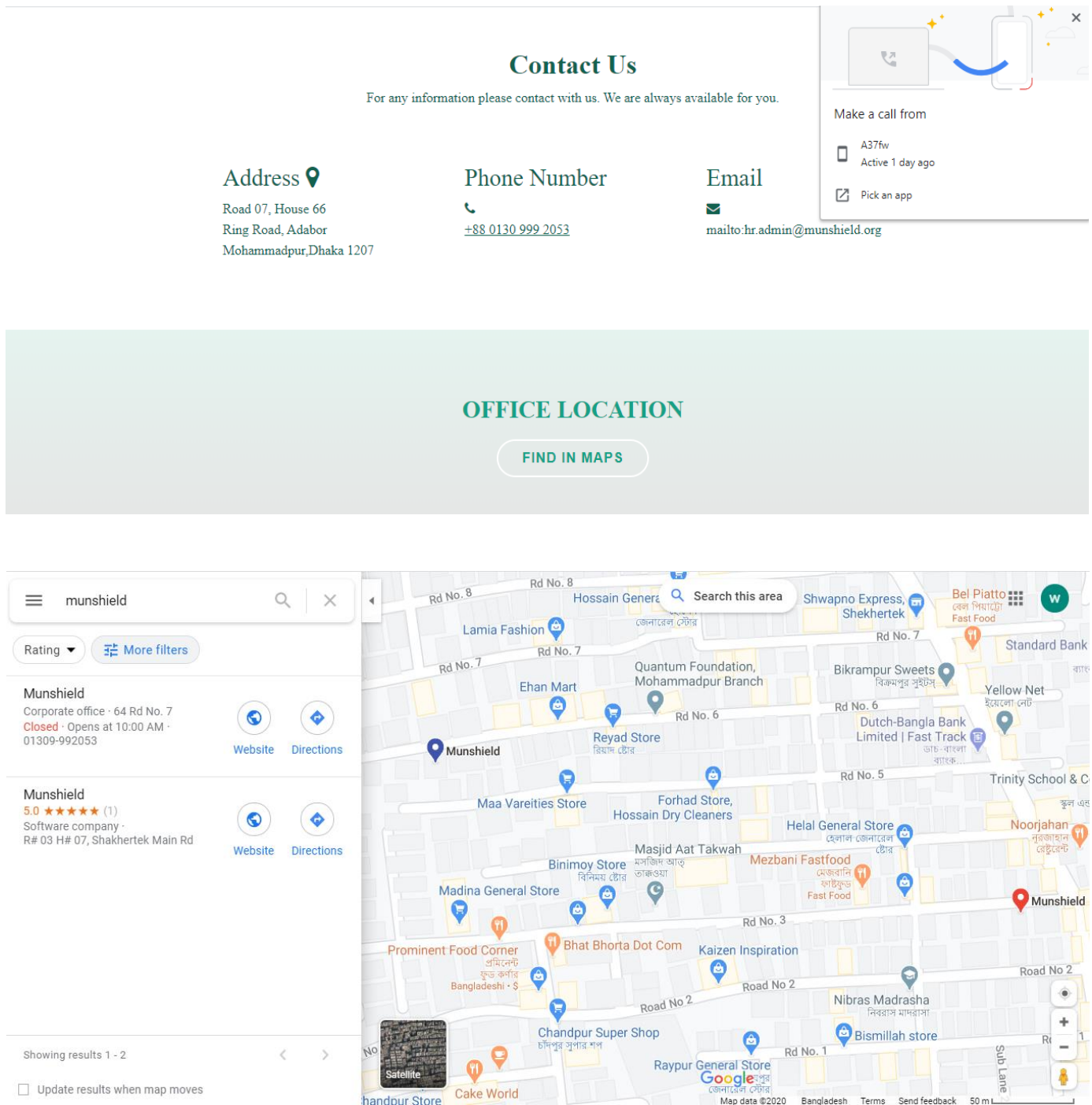


Fig 4.9-4.10: Calling system and location in Google maps.

Figure 4.11 shows the footer section of the project. In the footer section there are privacy policy & terms and condition page are linked and there are also some social media icons those are also linked to their pages.

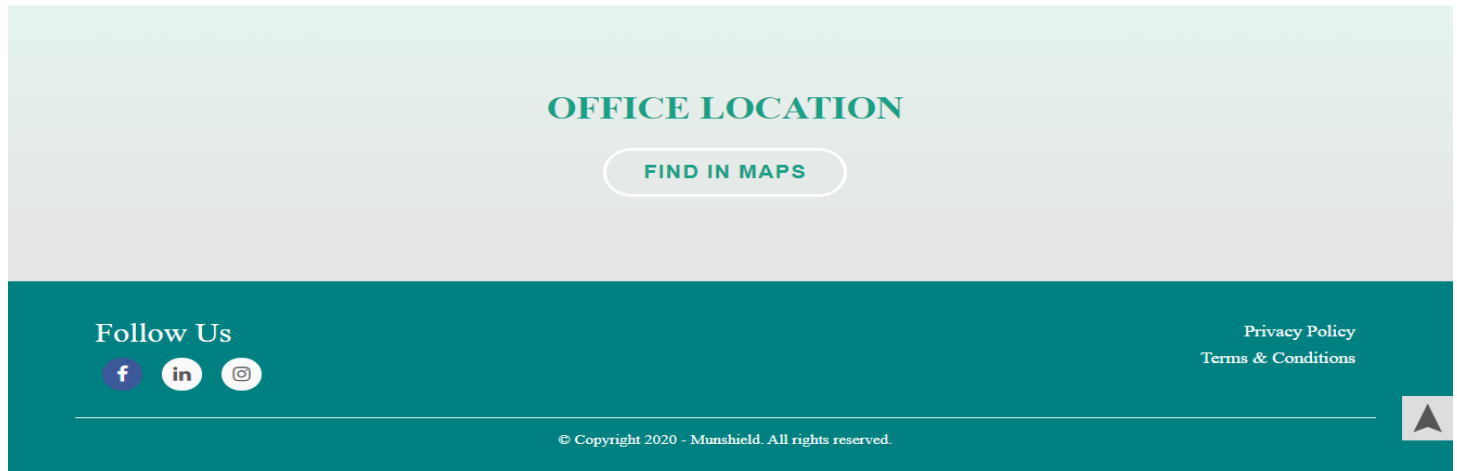


Fig 4.11: Footer section of Food Lover.

Figure 4.12 shows the social media connection of the project. When user click on facebook icon they will go to the facebook page of the food Lover.

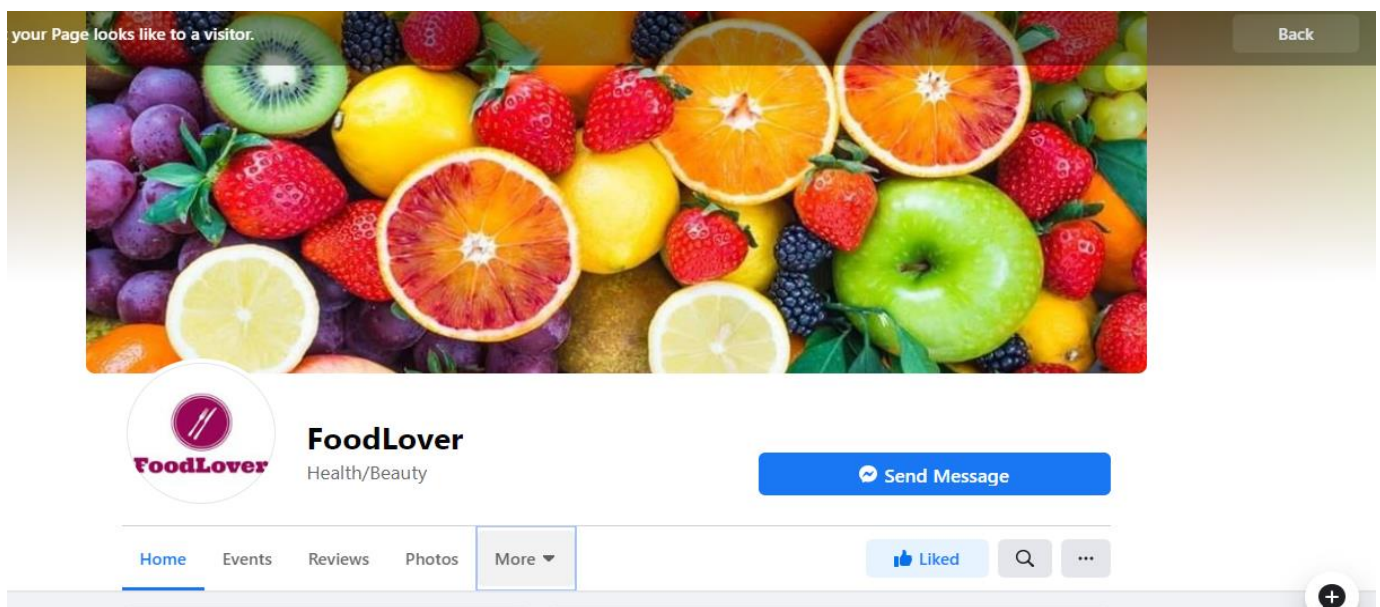


Fig 4.12: Social Media Connection of the Food Lover.

Figure 4.13 shows the ‘About’ page designed for Food Lover. It contains essential information of the company, founders and partners, and company dedication etc.

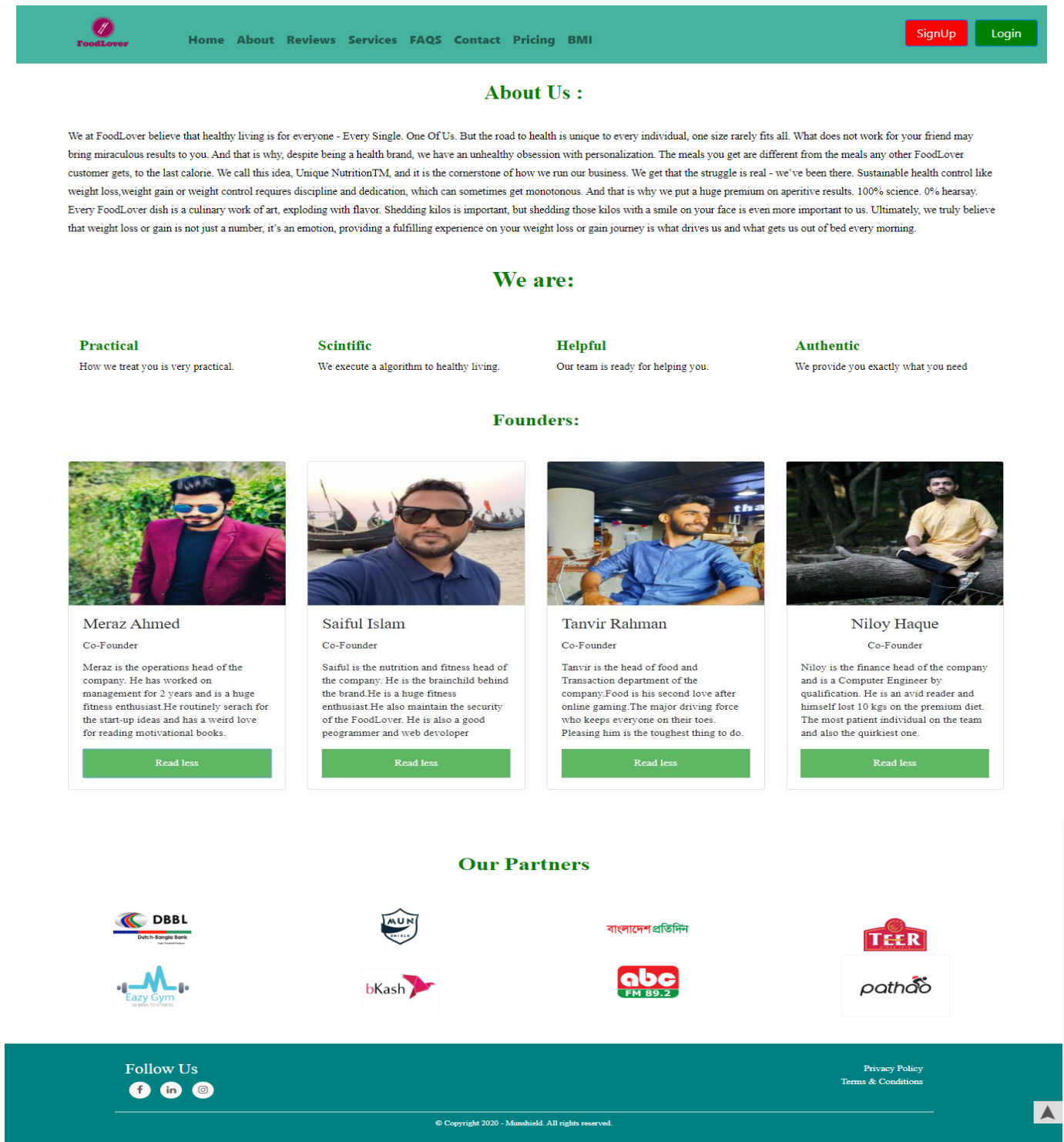


Fig 4.13: About page designed for Food Lover.

Figure 4.14 shows the ‘pricing’ page designed for Food Lover. It contains all the package such as Basic, Moderate, Advance, Pro, Premium offered by the company with their price, for how many days they are enroll and all other necessary information. From here customer can compare all the packages and choose their necessary one.



 Home About Reviews Services FAQS Contact Pricing BMI SignUp Login				
<h3>Purchase our Packages to enroll</h3> <p><i>"Price ain't merely about numbers. It's a satisfying sacrifice."</i></p>				
Basic	Moderate	Advance	Pro	Premium
5250 ₳(BDT)	11250 ₳(BDT)	22500 ₳(BDT)	45000 ₳(BDT)	67500 ₳(BDT)
7 Days package	15 Days package	30 Days package	60 Days Package	90 Days Package
3 meals a day (Breakfast, lunch, dinner)	3 meals a day (Breakfast, lunch, dinner)	3 meals a day (Breakfast, lunch, dinner)	3 meals a day (Breakfast, lunch, dinner)	3 meals a day (Breakfast, lunch, dinner)
Discount upto 20% Offer price: 4200 ₳(BDT)	Discount upto 20% Offer price: 9000 ₳(BDT)	Discount upto 20% Offer price: 18000 ₳(BDT)	Discount upto 20% Offer price: 36000 ₳(BDT)	Discount upto 20% Offer price: 54000 ₳(BDT)
Sign Up	Sign Up	Sign Up	Sign Up	Sign Up

Fig 4.14: Pricing page designed for Food Lover.

Figure 4.15 shows the 'BMI' page designed for Food Lover. It contains the information about the BMI different value ranges of BMI and what these values means. This page also contain a BMI calculator for visitors to check their BMI. By putting their height and the weight anyone can check their BMI. And After checking, this calculator also tells the person health condition based on the person BMI value.

[Home](#) [About](#) [Reviews](#) [Services](#) [FAQS](#) [Contact](#) [Pricing](#) [BMI](#)

[SignUp](#)[Login](#)

What's BMI ?

BMI compares your weight to your height, and is calculated by dividing your weight (in kilograms) by your height (in metres squared). It gives you an idea of whether you are 'underweight', a 'healthy' weight, 'overweight', or 'obese' for your height. BMI is one type of tool to help health professionals assess the risk for chronic disease. A healthy BMI ranges between 19-25

If your BMI is: -

- * below 18.5 – you're in the underweight range
- *between 18.6 and 24.9 you're in the healthy range
- * between 25 and 29.9 – you're in the overweight
- * between 30 and 39.9 – you're in the obese range

Get Your BMI Here

Weight:

Height:

Check BMI

Your BMI: 23.06094673685082

This Means:Yah! you are healthy.

Fig 4.15: BMI page designed for Food Lover.

Figure 4.16 shows the ‘Sign-Up page designed for Food Lover. This page takes all the necessary information of a customer what are need for the company to provide the services to the customer. The customer have to fill all the necessary information, they cannot skip them. After Sign-Up they show their profile where the user show his information.

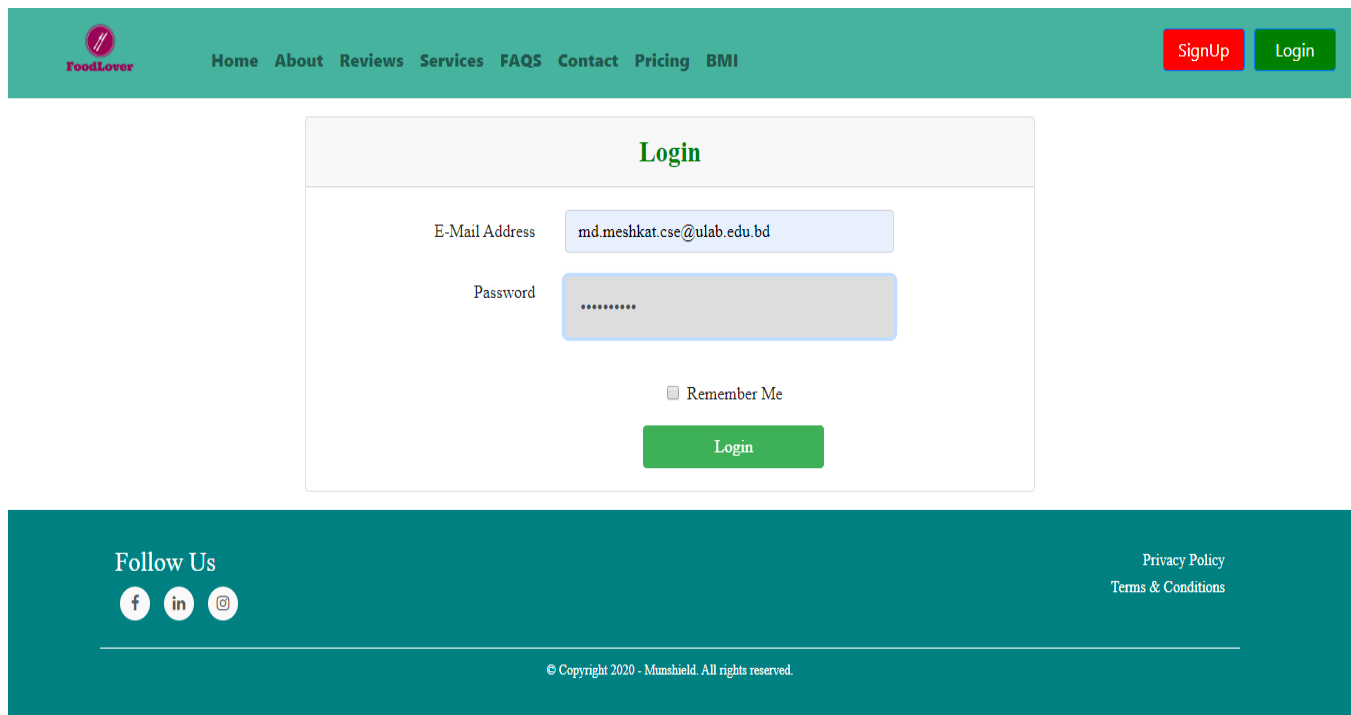
Food Lover Home About Reviews Services FAQs Contact Pricing BMI [SignUp](#) [Login](#)

Register

Name	<input type="text" value="Meshkat"/>
E-Mail Address	<input type="text" value="md.meshkat.cse@ulab.edu.bd"/>
Mobile	<input type="text" value="01834741608"/>
Gender	<input type="text" value="Male"/>
Height(Feet)	<input type="text" value="ft"/>
Height(Inch)	<input type="text" value="11"/> ! Please fill out this field.
Weight	<input type="text" value="75"/>
Age	<input type="text" value="23"/>
Start Date	<input type="text" value="04/12/2020"/>

Fig 4.16: Sign-Up page designed for Food Lover.

Figure 4.17 shows the 'Login page designed for Food Lover. Here customer can login and able to see their necessary information of their profile. When a user already have an account and want to login in the user have to give his email address and password. After matching user email and password the user can see his profile.



Food Lover

Home About Reviews Services FAQs Contact Pricing BMI

SignUp Login

Login

E-Mail Address md.meshkat.cse@ulab.edu.bd

Password *****

☐ Remember Me

Login

Follow Us

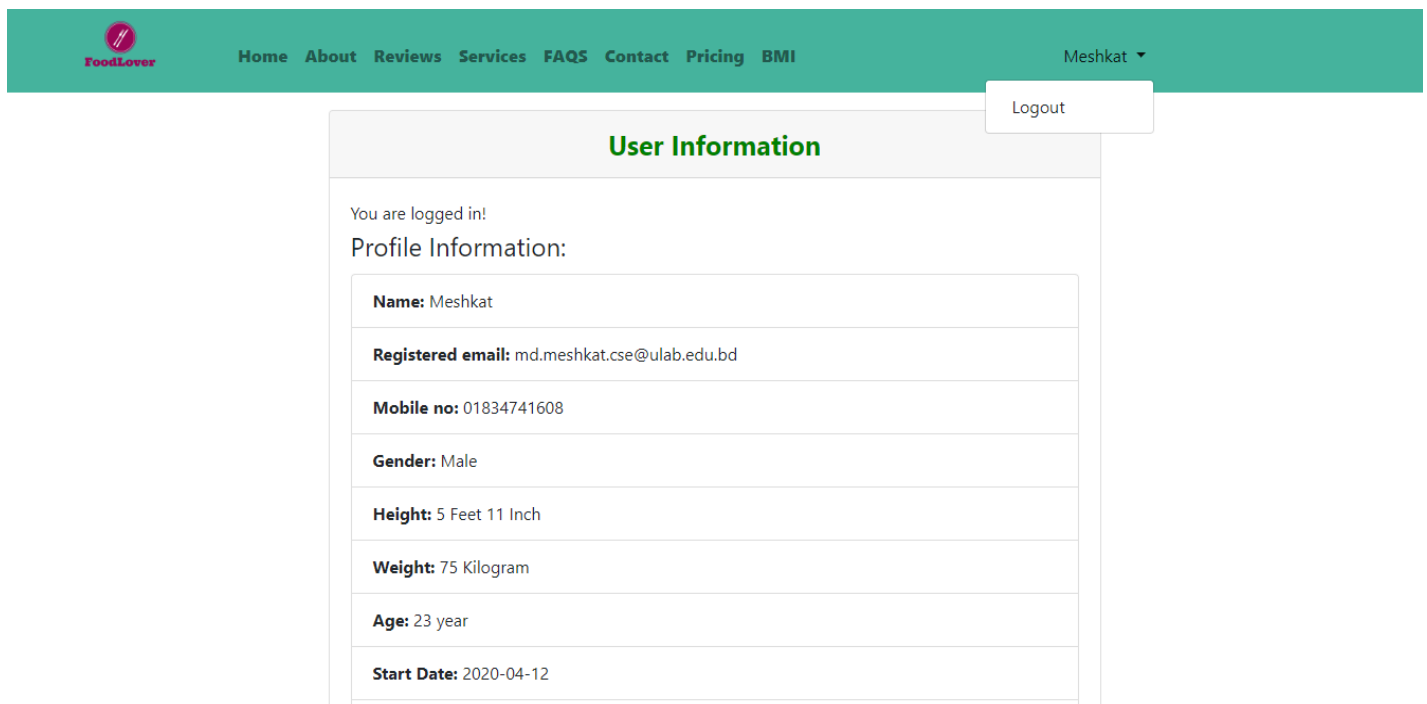
f in

Privacy Policy
Terms & Conditions

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Fig 4.17: Login page designed for Food Lover.

Figure 4.18 shows the user profile after login into the account. Here all the necessary information of the user are stored which user give during Sign-Up and user can see these information after the login and they are in a tabular form. There are also logout option for the users whenever they want to leave from their profile.



The screenshot displays the 'User Information' page of the Food Lover application. The header is teal with the Food Lover logo on the left and navigation links (Home, About, Reviews, Services, FAQs, Contact, Pricing, BMI) in the center. On the right, the user's name 'Meshkat' is shown with a dropdown arrow, and a 'Logout' button is positioned below it. The main content area has a light gray background and is titled 'User Information' in green. It states 'You are logged in!' and 'Profile Information:'. Below this, a table lists the user's details:

Name: Meshkat
Registered email: md.meshkat.cse@ulab.edu.bd
Mobile no: 01834741608
Gender: Male
Height: 5 Feet 11 Inch
Weight: 75 Kilogram
Age: 23 year
Start Date: 2020-04-12

Fig 4.18: User Profile page of Food Lover.

Figure 4.19 shows the ‘Privacy and policy’ page designed for Food Lover. Food Lover is always concern about the privacy of their customer. They ensure security of confidential data of their respected customer and they are describe in privacy and policy page.

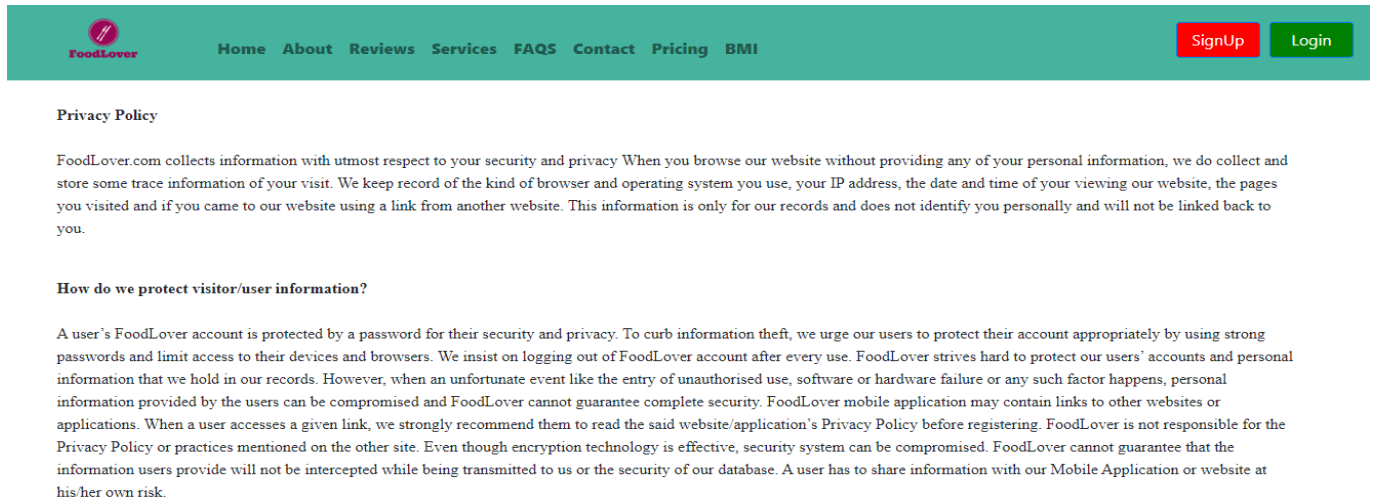


Fig 4.19: Privacy and policy page designed for Food Lover.

Figure 4.20 shows the ‘Terms and Condition page designed for Food Lover. This page has all the information about terms and condition of the company. When a user sign-up in food Lover the user officially agree to the terms and condition of the company.

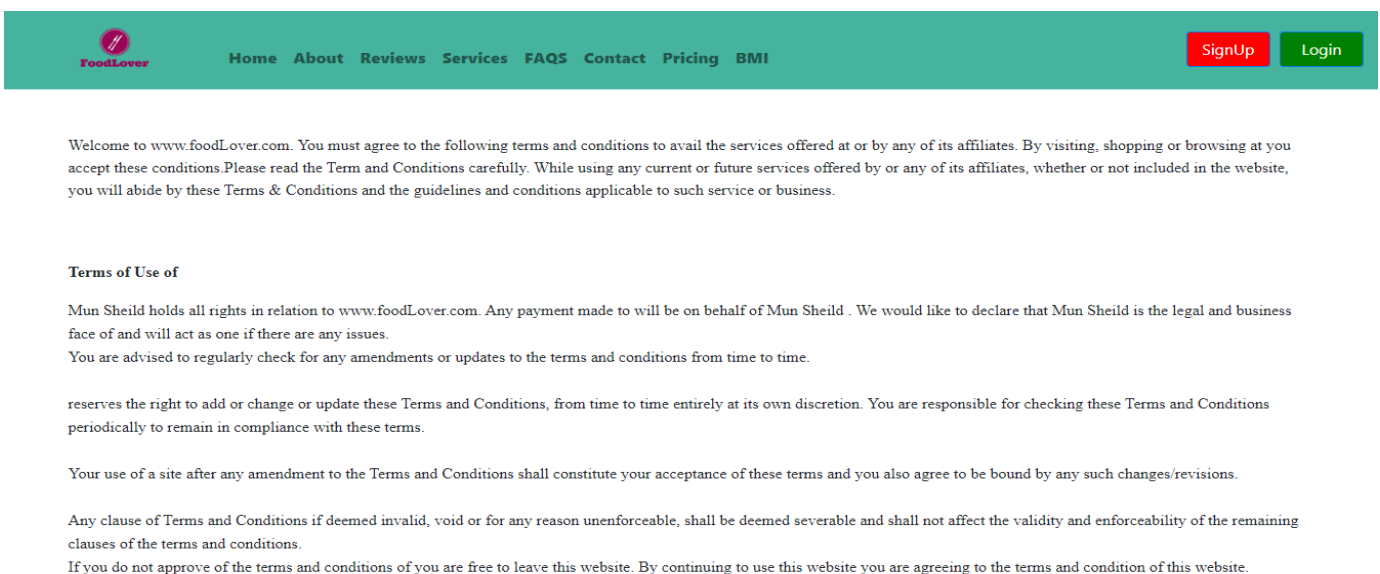
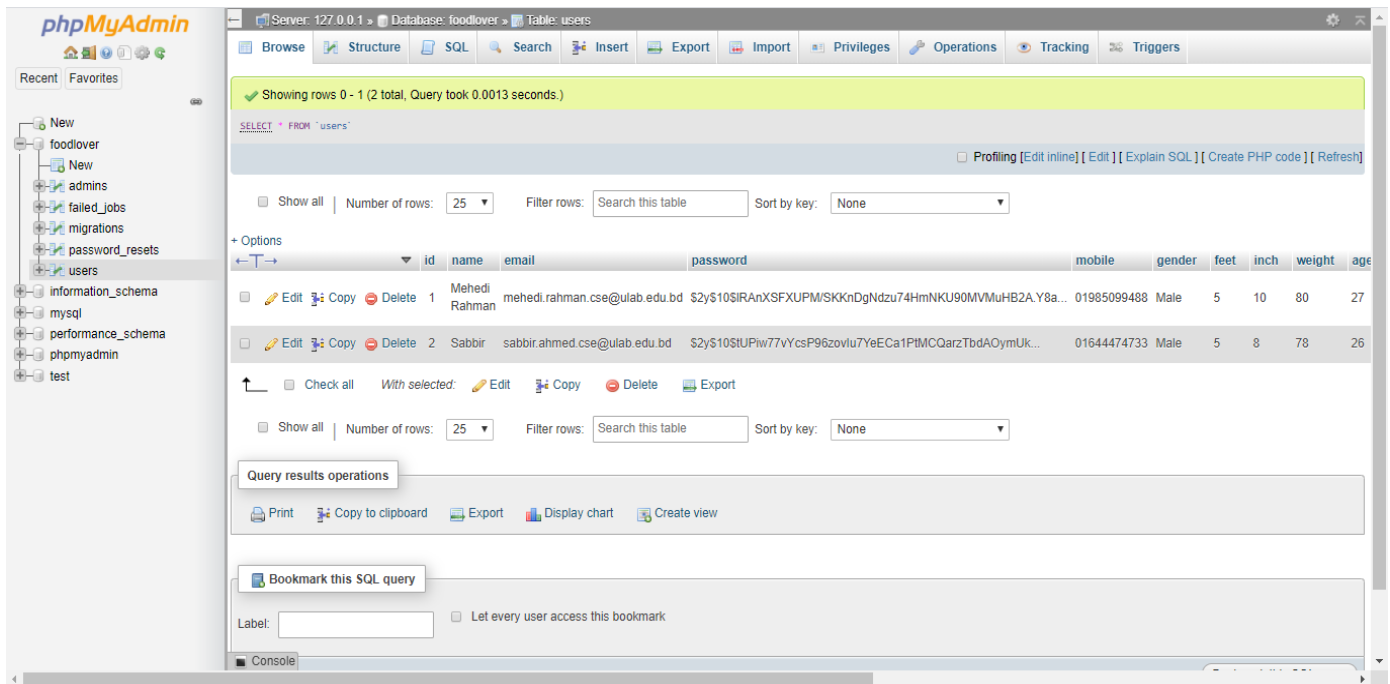


Fig 4.20: Terms and Condition page designed for Food Lover.

Figure 4.21 shows the user information stored on database. The name of the database is foodlover. Here in foodlover there is a table called users and it store users information, users password are hash here. User information are shown in the figure.

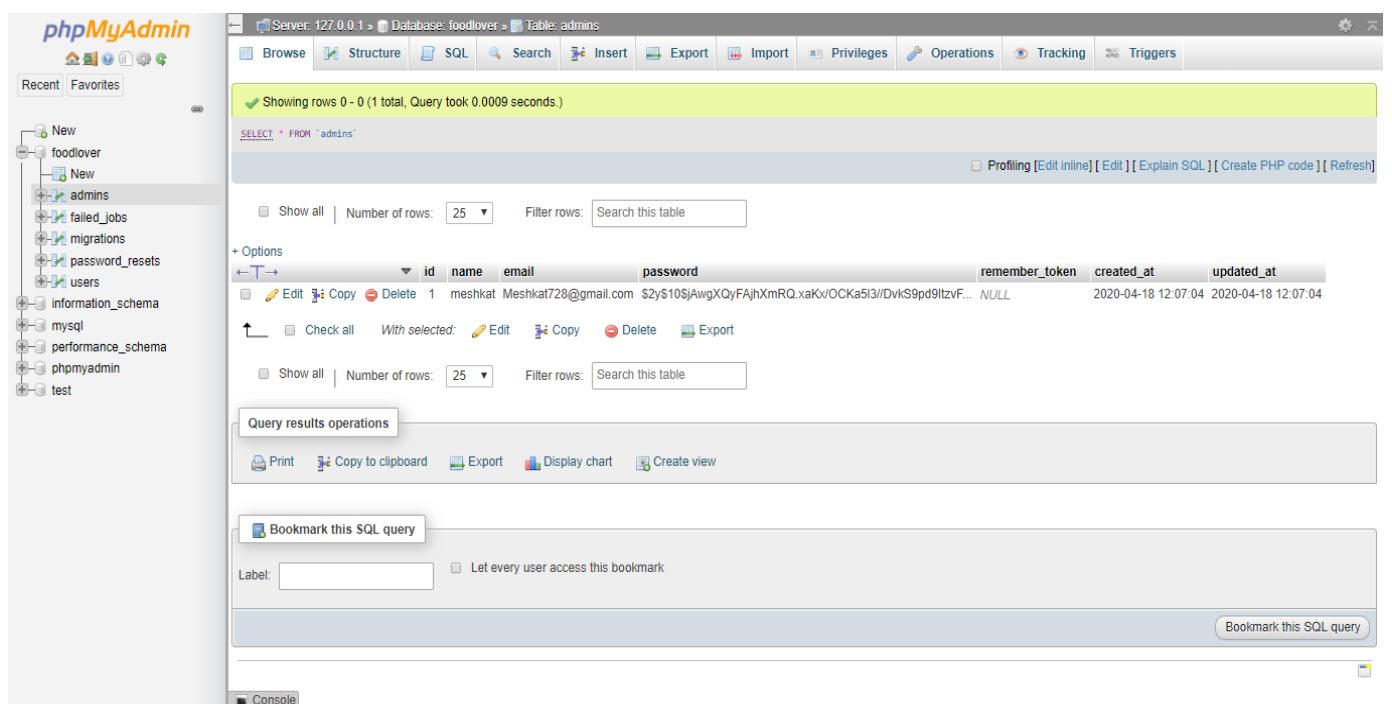


The screenshot shows the phpMyAdmin interface with the 'users' table selected. The table structure and data are as follows:

	id	name	email	password	mobile	gender	feet	inch	weight	age
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Mehedi Rahman	mehedi.rahman.cse@ulab.edu.bd	\$2y\$10\$IRAnXSFxUPM/SKKnDgNdzu74HmNKU90MVMuHB2A.Y8a...	01985099488	Male	5	10	80	27
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Sabbir	sabbir.ahmed.cse@ulab.edu.bd	\$2y\$10\$UPiw77vYcsP96zovlu7YeECa1PIMCQarzTbdAOymUk...	01644474733	Male	5	8	78	26

Fig 4.21: User Information table at Database of Food Lover.

Figure 4.22 shows the information of admins table in database. Here in admins table it store admin information, admin password are also hash here. Admin information are shown in the figure



Server: 127.0.0.1 » Database: foodlover » Table: admins

Showing rows 0 - 0 (1 total, Query took 0.0009 seconds.)

`SELECT * FROM `admins``

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Options

	id	name	email	password	remember_token	created_at	updated_at
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	meshkat	Meshkat728@gmail.com	\$2y\$10\$AwgXQyFAjhXmRQ.xaKv/OCKa5l3/DvkS9pd9ltzvF...	NULL	2020-04-18 12:07:04	2020-04-18 12:07:04

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

Console

Fig 4.22: Admin Information table at Database of Food Lover.

4.7 Responsiveness:

The website is also user friendly and mobile responsive. Responsiveness of Food Lover on different device are shown below:

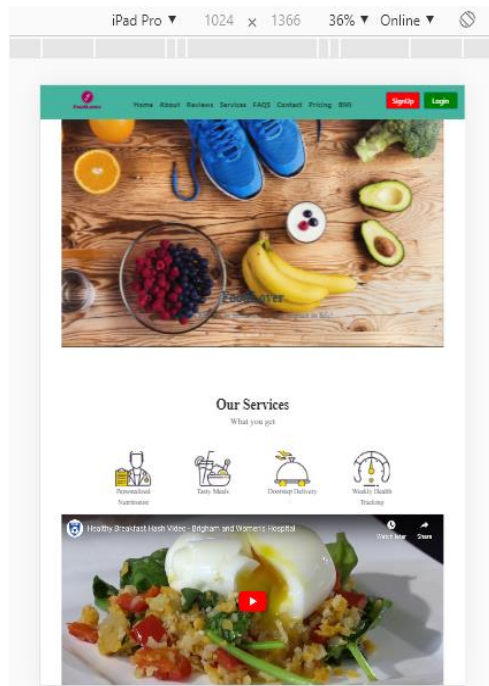


Fig 4.23: Responsive view at iPad pro of Food Lover.

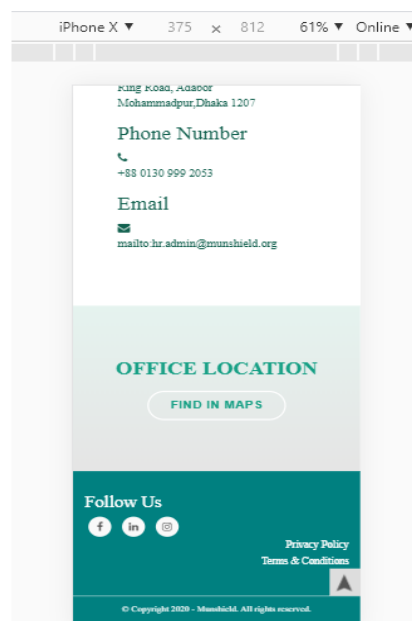


Fig 4.24: Responsive view at iPhone X of Food Lover.

Galaxy S5 360 x 640 75% Online

Get Your BMI Here

Weight:

Height:

Check BMI

Your BMI:
 23.06094673685082

This Means:
 Yah! you are healthy.

Fig 4.25: Responsive view at Galaxy S5 of Food Lover.

Pixel 2 411 x 731 67% Online

Register

Name

E-Mail Address

Mobile

Gender

Height(Feet)

Height(Inch)

Weight

Fig 4.26: Responsive view at Pixel 2 of Food Lover.

4.8 Admin panel

Here is the admin panel section. In the admin panel admin have to sign in to insert into the panel. There admin have a profile from there admin can see their users information. And also admin delete users account after their subscription finished. After getting users information admin collect them and send it to the professional nutritionist according to the user's goal like weight loss or gain or maintain. Then nutritionist make the perfect meal plan for the users and users get the necessary meal to achieve their goal.

The screenshot displays the 'Admin Login' interface for the 'Food Lover' application. The browser's address bar shows the URL 'localhost/foodlover/admin/login'. The page features a teal header with the 'Food Lover' logo on the left and navigation links (Home, About, Reviews, Services, FAQs, Contact, Pricing, BMI) in the center. On the right side of the header are two buttons: 'SignUp' (red) and 'Login' (green). The main content area is a white box with a light gray border, titled 'Admin Login' in green. It contains two input fields: 'E-Mail Address' and 'Password'. Below the password field is a 'Remember Me' checkbox. A green 'Login' button is positioned at the bottom of the form. The footer is a teal bar with 'Follow Us' and social media icons (Facebook, LinkedIn, Instagram) on the left, and 'Privacy Policy' and 'Terms & Conditions' on the right. A copyright notice '© Copyright 2020 - Mumshield. All rights reserved.' is centered at the bottom.

Fig 4.27: Admin Login of Food Lover.

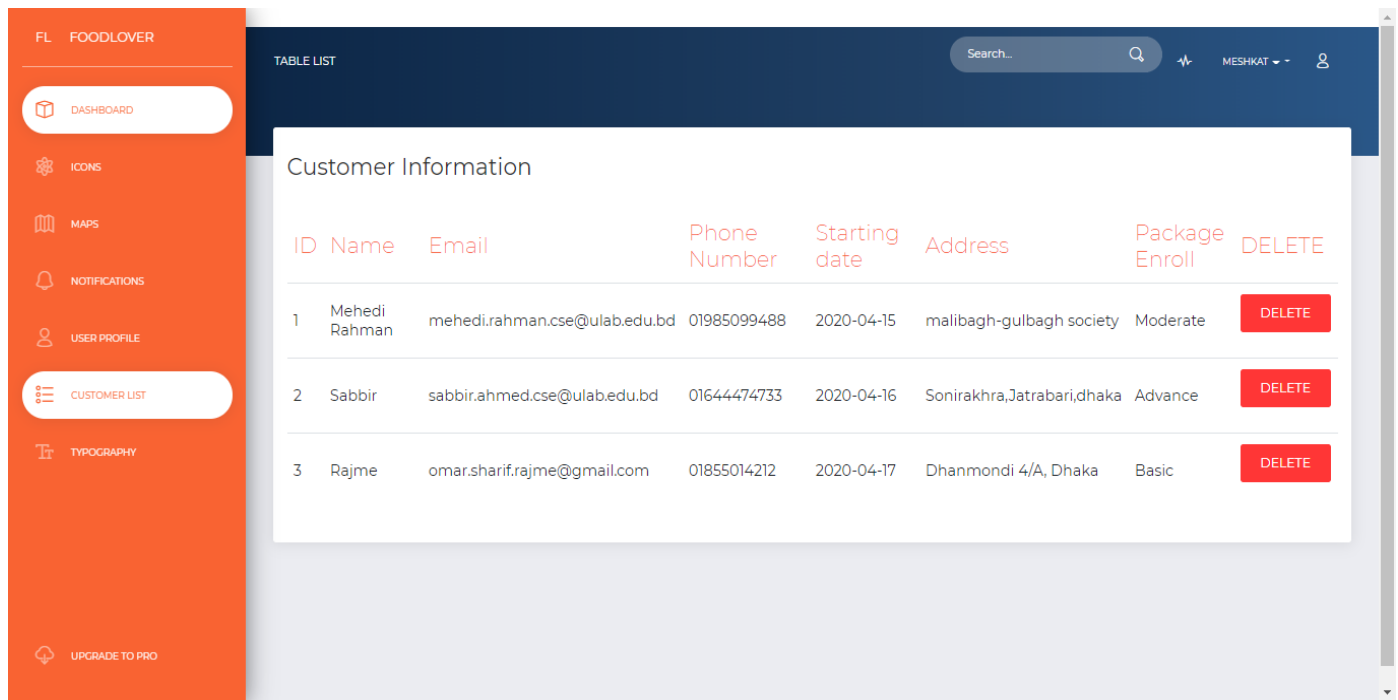


Fig 4.28: After login admin profile in Food Lover.

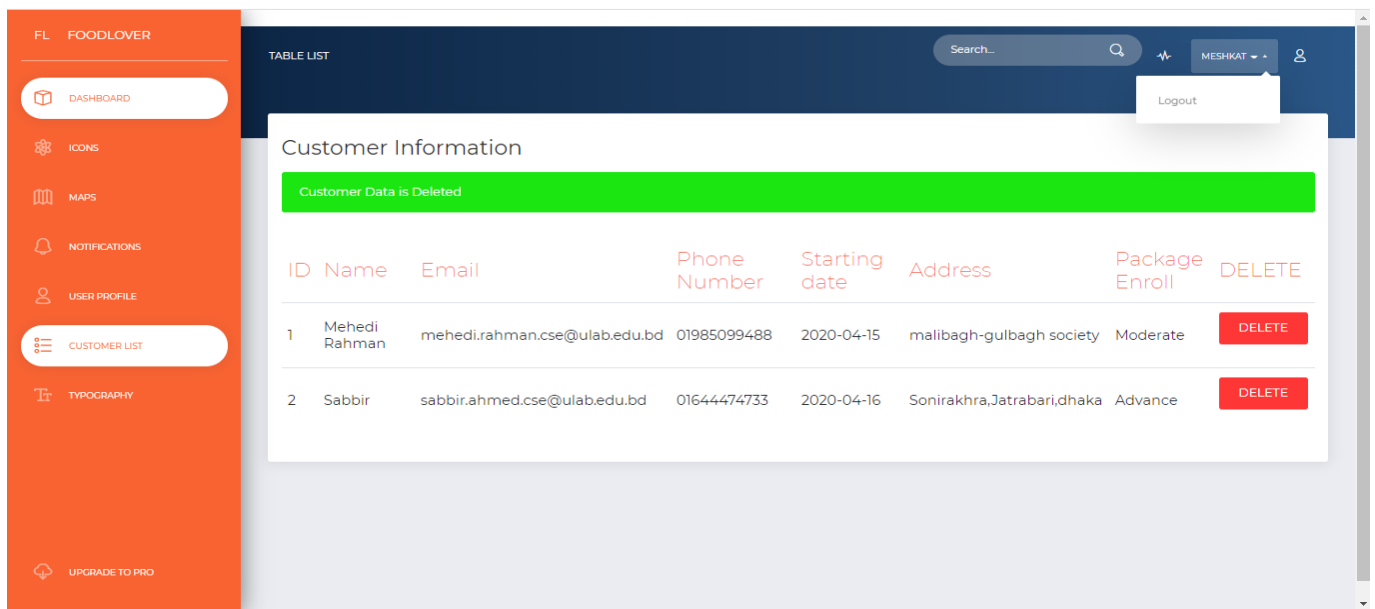


Fig 4.29: After delete an account & logout of admin in Food Lover.

4.9 User guide

In this project we are going to develop an online based healthy food system. This system will allow the consumer to have a healthy and tasty food with zero health loss. Here for a user, for the first time a user has to sign up by giving some information along with what She/he wants like weight gain, weight loss or weight maintains then the person have their diet food suggested by professional nutritionist. And then he/she can just login by giving Email and password. In their profile they can see their basic information like which package they choose, when it starts, his/her personal restriction on food, users goal etc. Customers are also allow to give feedback about the company if they want after their services package ends. After subscription they get home delivery of their healthy food Here in Food Lover a user can see the company profile as well as founders profile also at the about us section. In the home page of Food Lover there is you Tube video there people can know what our services actually is if they have confusion about Food Lover services. People also can see other customer review in the homepage for this there is a separate section name “Your Return is greater than your Investment”. There is also a FAQS Section where frequently asked question were suggested. There is also a pricing and a BMI page in Food Lover. In pricing page people can see our different package along with their necessary information and choose which one is perfect for the person and he/she can go to the sign up page for register. And in BMI page people get information about BMI which is very important for live a healthy life. There is also a BMI calculator in BMI page where people can check their BMI also the calculator tells your health condition. There is also a well set-up contact us section where the company address are given and also the contact number and email address of the company. People can contact and email us just by one click. The terms and condition, privacy policy are also cleared in the webpage at the Footer section which user have to respect. People can also find us in Facebook, LinkedIn etc. Facebook, LinkedIn pages are link in the website so that people just by clicking they can find them.

These are the functional activities of the project and they were tested. After all these development steps of the project the testing were also successful and the system works properly.

CHAPTER 5

Code, Diagram and Analysis:

5.1 Code Section:

Here in this section some code screenshots of food Lover are given. As well as necessary footnote are given with the image.

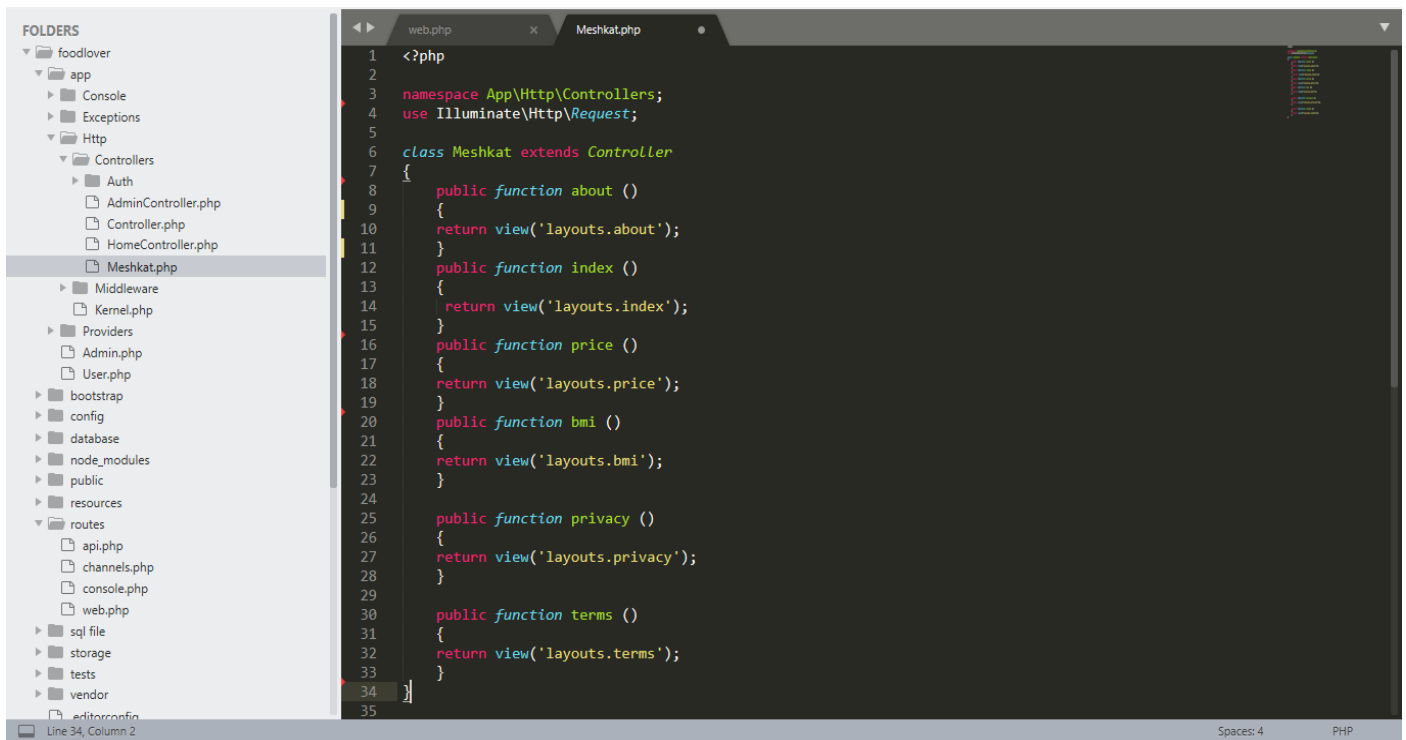


Fig 5.1: Controller code of Food Lover.

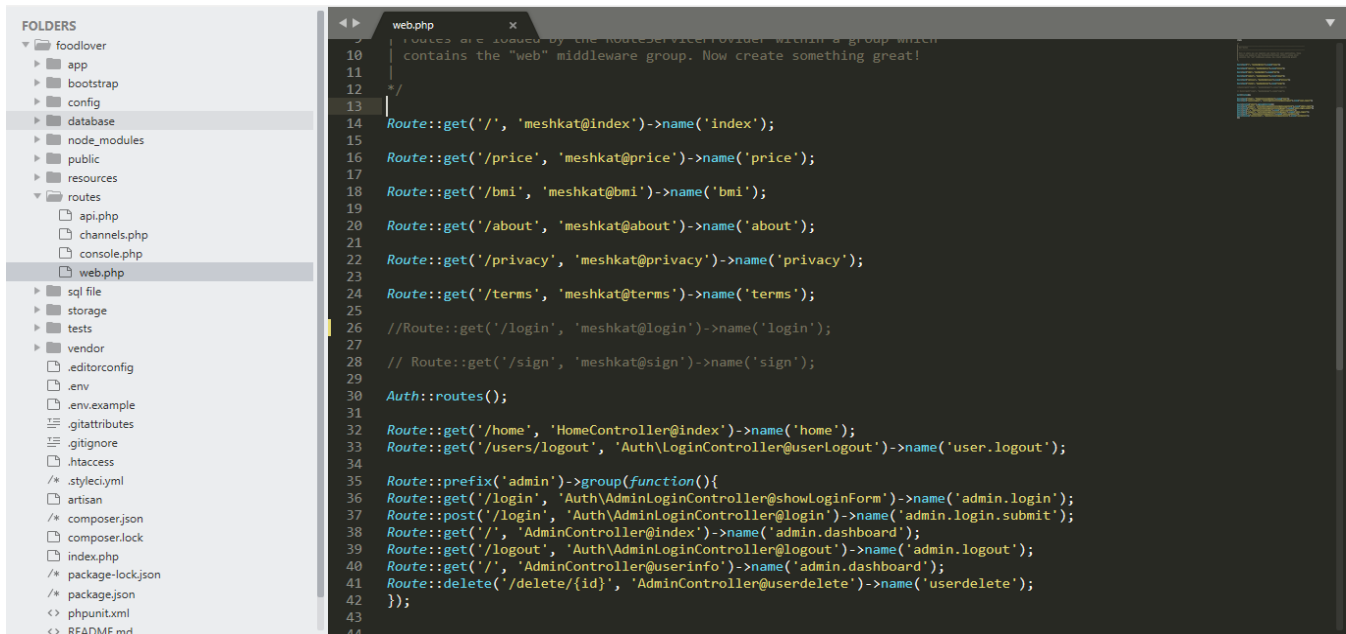
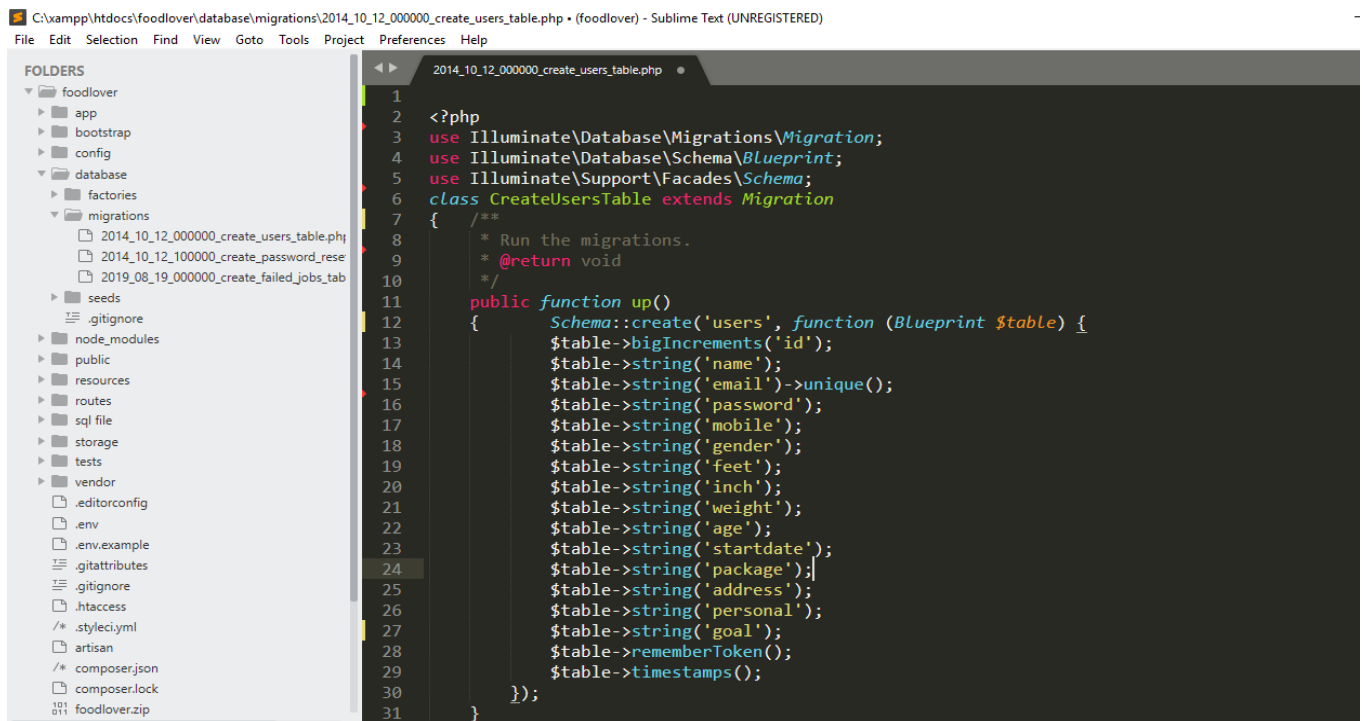


Fig 5.2: Route code of Food Lover.



```

1
2 <?php
3 namespace App;
4 use Illuminate\Contracts\Auth\MustVerifyEmail;
5 use Illuminate\Foundation\Auth\User as Authenticatable;
6 use Illuminate\Notifications\Notifiable;
7 class User extends Authenticatable
8 { use Notifiable;
9
10     /**
11      * The attributes that are mass assignable.
12      * @var array
13      */
14     protected $fillable = [
15         'goal', 'name', 'email', 'password', 'mobile', 'gender', 'feet', 'inch', 'weight', '
16         age', 'startdate', 'package', 'address', 'personal',
17     ];
18     /**
19      * The attributes that should be hidden for arrays.
20      * @var array
21      */
22     protected $hidden = [
23         'password', 'remember_token',
24     ];
25     /**
26      * The attributes that should be cast to native types.
27      * @var array
28      */
29     protected $casts = [
30         'email_verified_at' => 'datetime',
31     ];
32 }

```

Fig 5.4: Checking attributes to their corresponding value in database.

```

1
2 <?php
3 namespace App\Http\Controllers;
4 use App\User;
5 use Illuminate\Http\Request;
6 use Illuminate\Support\Facades\DB;
7 class AdminController extends Controller
8 {
9     /**
10      * Create a new controller instance.
11      * @return void
12      */
13     public function __construct()
14     {
15         $this->middleware('auth:admin');
16     }
17     /**
18      * Show the application dashboard.
19      * @return \Illuminate\Contracts\Support\Renderable
20      */
21     public function index()
22     {
23         return view('admin');
24     }
25     public function userinfo()
26     {
27         $users = User::all();
28         return view('admin')->with('users',$users);
29     }
30     public function userdelete($id)
31     {
32         $userdel = User::find($id);
33         $userdel->delete();
34         return redirect('admin')->with('status','Customer Data is Deleted');
35     }
36 }

```

Fig 5.5: Admin controller code of Food Lover.


```

54
55 <script type="text/javascript">
56   function resetForm() {
57     document.getElementById("bmiForm").reset();
58   }
59
60   function calculateBmi() {
61     var weight = parseFloat(document.bmiForm.weight.value);
62     var ftHeight = parseFloat(document.bmiForm.ftHeight.value);
63     var inHeight = parseFloat(document.bmiForm.inHeight.value);
64     var height = 2.54 * (ftHeight * 12 + inHeight);
65
66
67     if(weight > 0 && height > 0){
68       var finalBmi = weight / (height / 100 * height / 100);
69       document.bmiForm.bmi.value = finalBmi;
70       if(finalBmi <= 18.5){
71         document.bmiForm.meaning.value = "Hmm... you are too thin."
72       } else if(finalBmi > 18.5 && finalBmi <= 25){
73         document.bmiForm.meaning.value = "Yah! you are healthy."
74       } else if(finalBmi > 25 && finalBmi <= 30 ){
75         document.bmiForm.meaning.value = "Oops... you are overweight."
76       }else if(finalBmi > 30){
77         document.bmiForm.meaning.value = "Oops... you are obese."
78       }
79     } else{
80       alert("Please Fill in everything correctly")
81     }
82   }
83 </script>
84 </section>
85

```

Fig 5.6: BMI calculator code of Food Lover.

```

<button class="accordion" style="color: #FF5733"><b>What is the refund policy of yours?</b></button>
<div class="panel">
  <p>We will initiate a refund for the remaining number of days. The amount refunded will depend on
  your subscription package and the number of days consumed which will be informed to you before
  confirming the cancellation. The refund will be processed within 10 working days of receiving the
  account details. E.g If you subscribed for 30 days consumed only 15 days it will be considered as
  a 15-day subscription(which costs 11250) and we will be refunding 11250.</p>
</div>
</div>

<script>
var acc = document.getElementsByClassName("accordion");
var i;

for (i = 0; i < acc.length; i++) {
  acc[i].addEventListener("click", function() {
    this.classList.toggle("active");
    var panel = this.nextElementSibling;
    if (panel.style.maxHeight) {
      panel.style.maxHeight = null;
    } else {
      panel.style.maxHeight = panel.scrollHeight + "px";
    }
  });
}
</script>
</section>
</section>

```

Fig 5.7: FAQs Section code of Food Lover.

5.2 Use-Case UML Diagram of Food Lover:

USE CASE UML Diagram

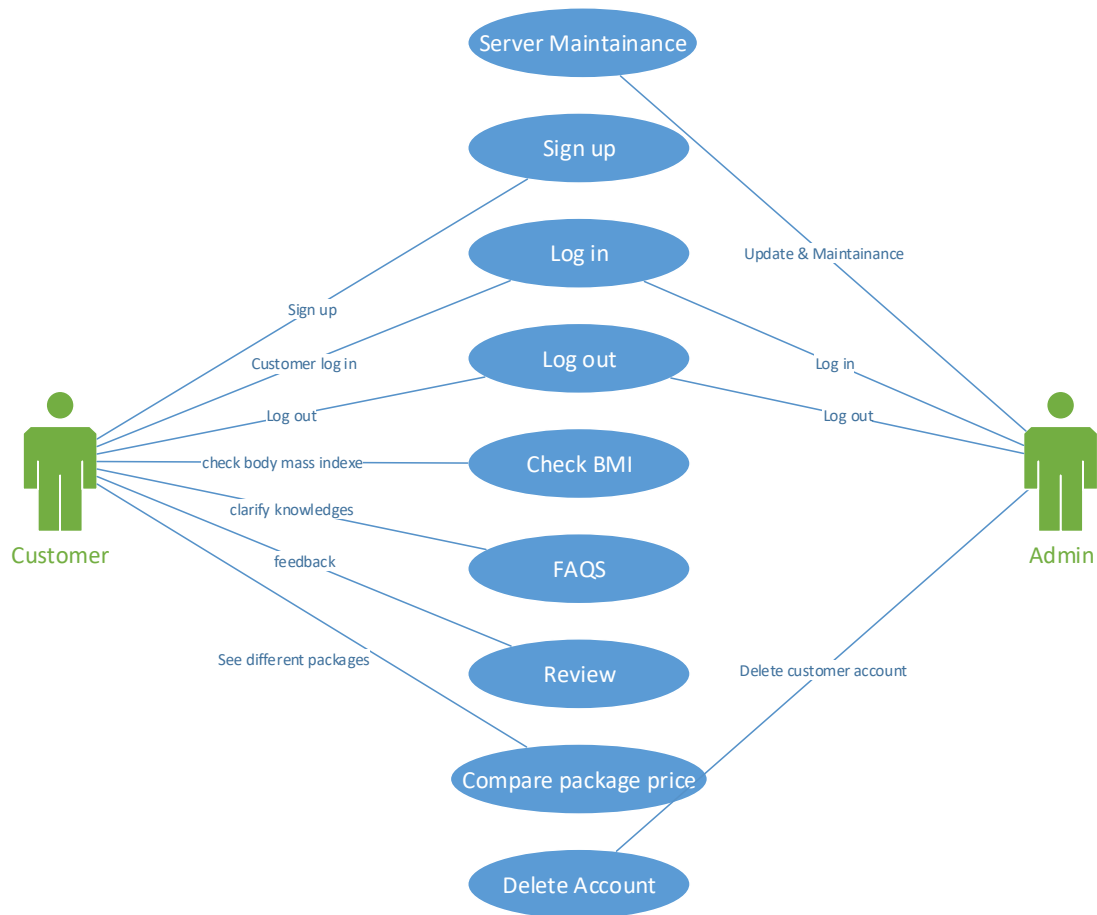


Figure 5.8: Use-Case UML Diagram of Food Lover .

5.3 Pay-back period of Food Lover (Approximate):

Assuming project estimated time period is 4 months. (Approximate).

Particular	1 st month	2 nd month	3 rd month	4 th month
Revenue	0	40000	90000	110000
Cost				
Hardware	15000	7000	0	0
Software	6000	2000	0	0
Employee Salary	10000	15000	12000	10000
Others	4000	4000	3000	3000
Total Cost	35000	28000	15000	13000
Cash Flow = Revenue-Cost	-35000	12000	75000	97000
Cumulative Cash Flow	-35000	-23000	52000	149000

Table 5.1: Pay-Back Period of Food Lover (Approximate).

$$\text{Payback period} = A + \frac{B}{C}$$

Where,

A = Period of last negative cumulative cash flow = 2

B = Absolute value of A = $|-23000| = 23000$

C = Cash flow in the next period of A = 75000

$$\therefore \text{Payback Period} = 2 + (23000/75000)$$

$$= 2 + 0.3066$$

$$= 2.3066$$

$$= 2 \text{ month } 9 \text{ days (Approximately)}$$

So, the initial investment will be recovered within approximately 2 months and 9 days.

CHAPTER 6

CONCLUSION

6.1 Summary

As an intern at MUNSHIELD Organization. I learned some really amazing technologies which are practiced in the Business world of Software Industry. I also learn discipline and also time maintaining. We also have to follow some official rules like after entering the office we have to login to mister task and update what we are doing today with starting time and when we are about to left office we have to write down how much we successfully achieve our today's target.

In my three months of internship in this company I have learned LARAVEL for Web Development. After a little bit of research, I came to know that this framework were introduced by Taylor Otwell, which the most are demanding technologies in the present time for web development and its popularity increasing respectively. And In my web development project, I worked with LARAVEL Framework. I learned it because it is popular than other technologies in our country. It is easy to learn and implement and the ways to make my future as a LARAVEL Developer.

MUNSHIELD plan is to be the largest global mobile/web development company. Being professional web development, mobile application and game development company. They wish gradually they will take the company for helping hub for their clients and I am happy as a part of the company though internship.

6.2 Future Goals

Future goals about this project is to add more features in it. Like I have plan to add API for payment method in this project but for short time and the current situation of the country I cannot do it though I started talking about this in my office. And about future goals about myself is, everything I learned in my internship period is not enough to work in the Software Industry as a developer. I had the opportunity to gather the basic knowledge of those technologies from the company. Now my future goal is to learn those technologies in professional level so that I can choose Web development fields as my career path.

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