

FPT ACADEMY INTERNATIONAL
FPT – APTECH COMPUTER EDUCATION

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**ePROJECT**  
**STAR ORGANIC FARM**  
**WEBSITE**

**Center Name** FPT – Aptech – HCM2  
Address: 590 Cach Mang Thang Tam,  
District 3, Ho Chi Minh City  
**Instructor** Ms. Le Mong Thuy

**Class** T1.2007.E1  
**Group** 3

| Group members | Name                  | Student ID     |
|---------------|-----------------------|----------------|
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| 3             | Nguyen The Thien Phuc | Student1269325 |

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**Duration** Start date 19<sup>th</sup> Sep 2020  
End date 19<sup>th</sup> Oct 2020

**This is to certify that**

**Mr.:**

\_\_\_\_\_  
Nguyen Mau Linh

\_\_\_\_\_  
Vũ Trong Bang

\_\_\_\_\_  
Nguyen The Thien Phuc

**has successfully designed & developed**

\_\_\_\_\_  
eProject: Star Organic Farm Website

**Submitted by:**

\_\_\_\_\_  
Nguyen Mau Linh

**Date of issue:**

\_\_\_\_\_

**Authorized Signature**

\_\_\_\_\_

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## SYNOPSIS

We need to create a website that meet all the requirement of our customer, Star Organic Farm. Star Organic farm is commenced in the year 1988. Company is involved in trading and manufacturing a wide range of Organic Products and spices to the consumers all around the global market. Company has wide variety of collection of products lies of **Nutritious cereals, Pulses, Spices and Condiments, Cooking Oils, Fruit Pulps, Agro Products, Oils, Wheat and Wheat Flour, Rice and Rice products and so on.** The main purpose of this website is to reach to the customer, who care about nutritional, healthy life and looking for a place that they can buy many organic products with best quality and good price. In the website of Star Organic Farm , customer can also be a member that has a lot of discount and special offer.

## PROBLEM DEFINITION

After reading the expectations from Star Organic Farm, our group has discussed about what should to be done to fulfil their requirements properly. We came to conclusion that in order to achieve the best result, we must have resolve many following problems:

- How many categories, and products are included in the website?
- How is each webpage designed to offer users easy to use?
- What is search the products based on?
- How to buy products, add items into shopping cart and check out? And how to we programed those functions?
- What is Show case Gallery will be display?
- FAQs about payments, delivery, return policy, etc.?
- How does the suitable size of images? What are colors and styles make uniformity in the designing in the website?

Additionally, the website will be built to run efficiently only on Windows platform. However, it still can be compatible on all leading web browsers such as Chrome, IE and Firefox. We make use of HTML5, Bootstrap, JQuery, and AngularJs to create a website that both runs smoothly and has a friendly UI.

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# CUSTOMER'S REQUIREMENTS SPECIFICATIONS (CRS)

## Client: Star Organic Farm

### Business/Project Objective:

Star Organic Farm is a Company which is involved in trading and manufacturing a wide range of Organic Products and spices to the consumers all around the global market. They had wide variety of collection of many products. They want to build a website to easily reach and support their customers.

We are supposed to create a website for them with the above mentioned requirement specifications.

The website is to be developed for the Windows Platform using HTML5, JavaScript, Bootstrap, jQuery and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

### Input to the system:

- Searching products by Category, by Sale off, by Price.
- Purchase, order products on website.

### Output from the system:

- A menu that will categorize all the functions of the site.
- Display the list of available products in category.
- Display and answer frequently questions of customer about payments, delivery, return policy and so on.
- Display result of search product for customer
- Display information check out shopping cart, can be remove, add more products.
- Display the details nutritional information, organic products used to in the life, cooking recipes , etc.
- Give information about membership, information sales off products.
- Site should be able to provide brief introduction/history about the company under Contact Us page.

- 
- The location of the company under Contact Us page.

**Process:**

- Check data user input

## **Hardware/ Software Requirements:**

**For developer**

**Hardware**

- Intel Pentium 4 processor or higher
- 1 Gigabytes of RAM or higher

**Software**

- Windows 7 OS or higher
- Adobe Dreamweaver
- Web browsers such as IE, Chrome or Firefox are supporting HTML5, CSS3 and Javascript.

**For web users**

**Hardware**

- Intel Pentium 4 processor or higher
- 512 Megabytes of RAM or higher

**Software**

- Windows XP OS or higher
- Web browsers such as IE, Chrome or Firefox are supporting HTML5, CSS3 and Javascript.

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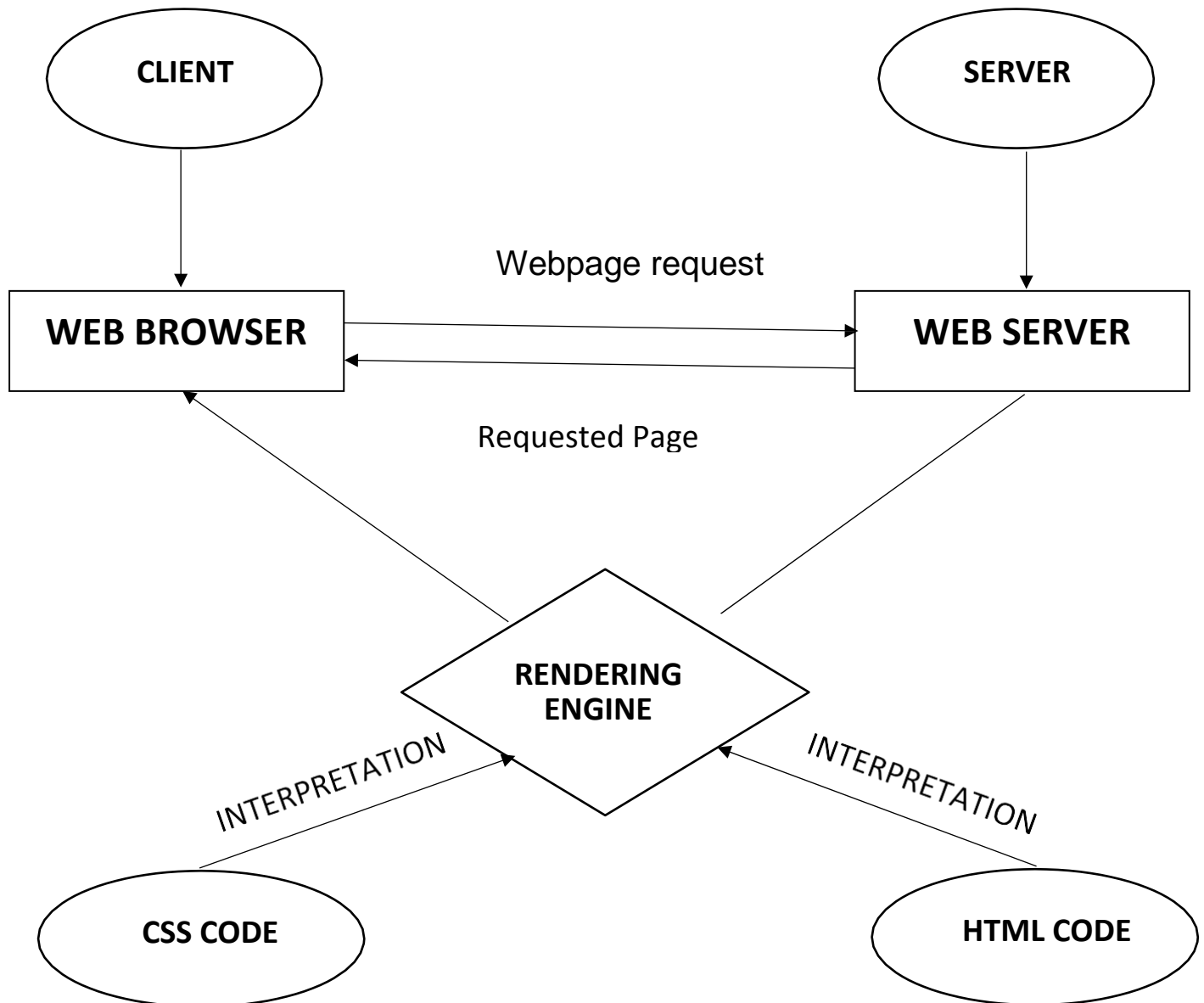
## SCOPE OF THE WORK (IN BRIEF)

After a long and detailed discussion, our group has decided to create a website contain the following webpages:

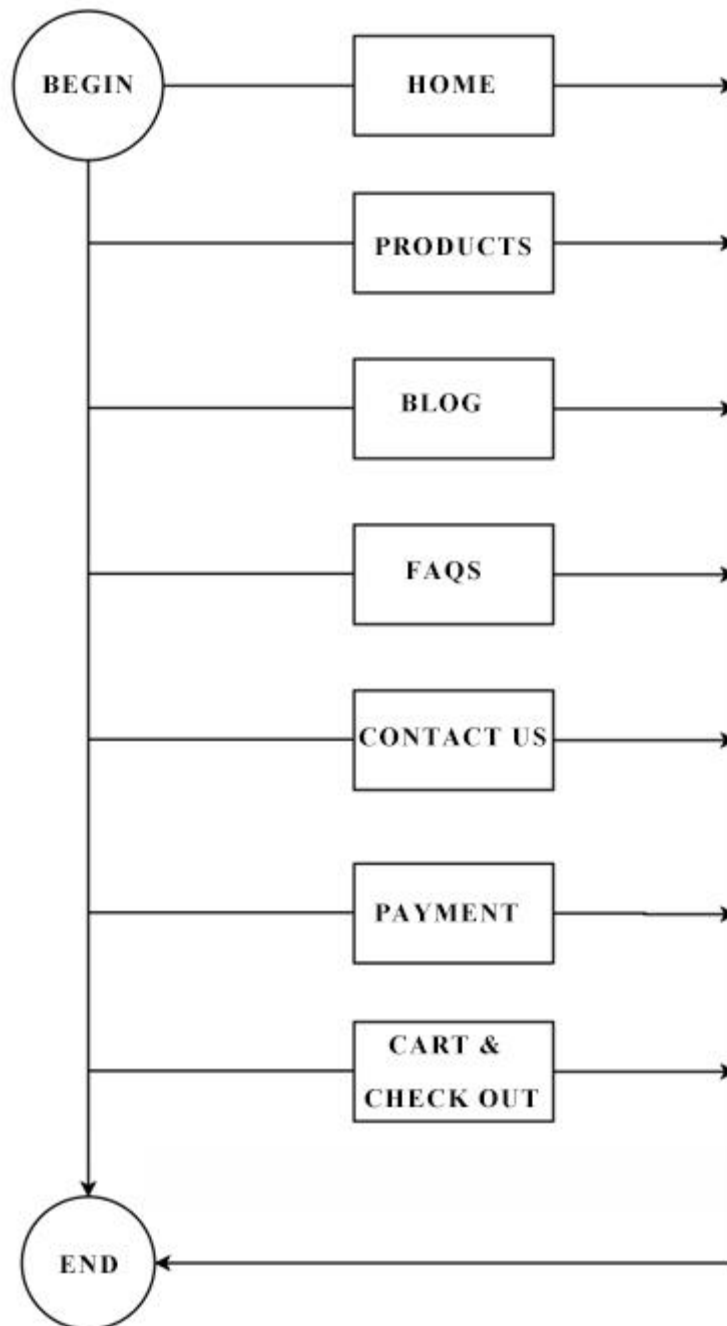
1. **Homepage** : Display Carousel images in brief, sale-off products, information about Star Organic Farm, International certificates about organic products which company have.
2. **Products** : Display all available products based on Category (**Nutritious cereals, Spices and Condiments, Oils, Fruit Pulps, Agro Products, Wheat and Rice products**), on Sale off, on Prices.
3. **Blog**: Display image about organic product in life, Nutritional information, cooking recipes.
4. **FAQ** : Display and answer many frequently question about products, delivery, payments, return policy, etc.
5. **Contact Us**: Display the information of the company, address of the Company displayed using GeoLocation GoogleMaps API, allow customers to request any information they want to Star Organic Farm, client's review and about us.
6. **Payment**: review orders and proceed to check out page, Display total bill and confirm order.



## Architecture and design of the system



## Diagram of the website

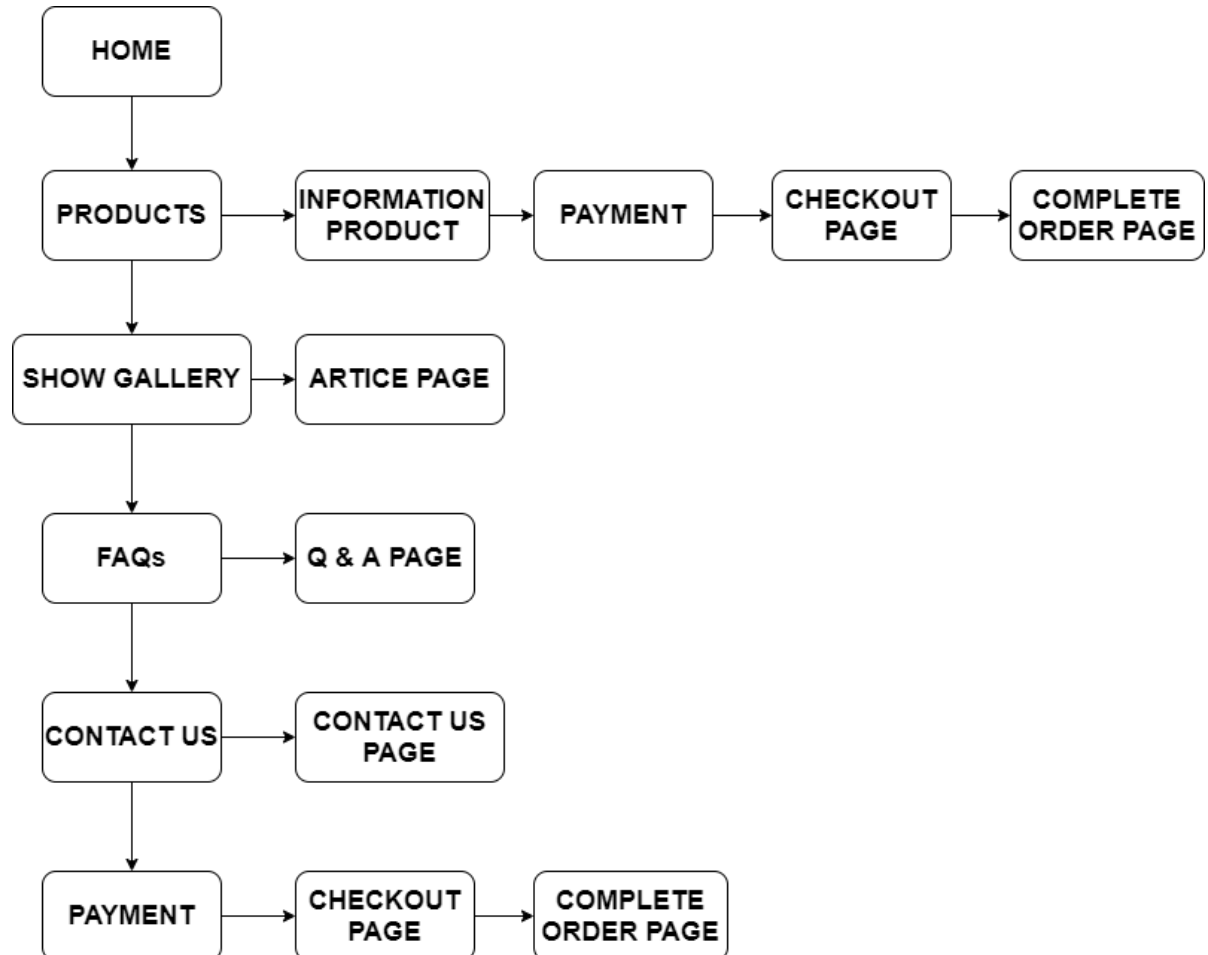


## TASK SHEET REVIEW 1

| Project Ref. No.:<br><br>eP/Advertisement Portal Management System/01 |                                                              | Project Title:    | Activity Plan Prepared By: | Date of Preparation of Activity Plan: |             |                |           |
|-----------------------------------------------------------------------|--------------------------------------------------------------|-------------------|----------------------------|---------------------------------------|-------------|----------------|-----------|
| Sr. No.                                                               | Task                                                         |                   |                            | Actual Start Date                     | Actual Days | TeamMate Names | Status    |
| 1                                                                     | Problem Statement                                            | STAR ORGANIC FARM | Linh                       | 19-Sep-2020                           | 1           | Phuc           | Completed |
| 2                                                                     | Analysis of Star Organic Farm requirements about the website |                   |                            | 19-Sep-2020                           | 1           | Linh           | Completed |
| 3                                                                     | The scope of the work (in brief)                             |                   |                            | 19-June-20                            | 1           | Linh           | Completed |
| 4                                                                     | Architecture and design of the system                        |                   |                            | 19-Sep-2020                           | 1           | Phuc           | Completed |
| 5                                                                     | Diagram of the website                                       |                   |                            | 19-Sep-2020                           | 1           | Bang           | Completed |
| 6                                                                     | Task Sheet                                                   |                   |                            | 19-Sep-2020                           | 1           | Bang           | Completed |

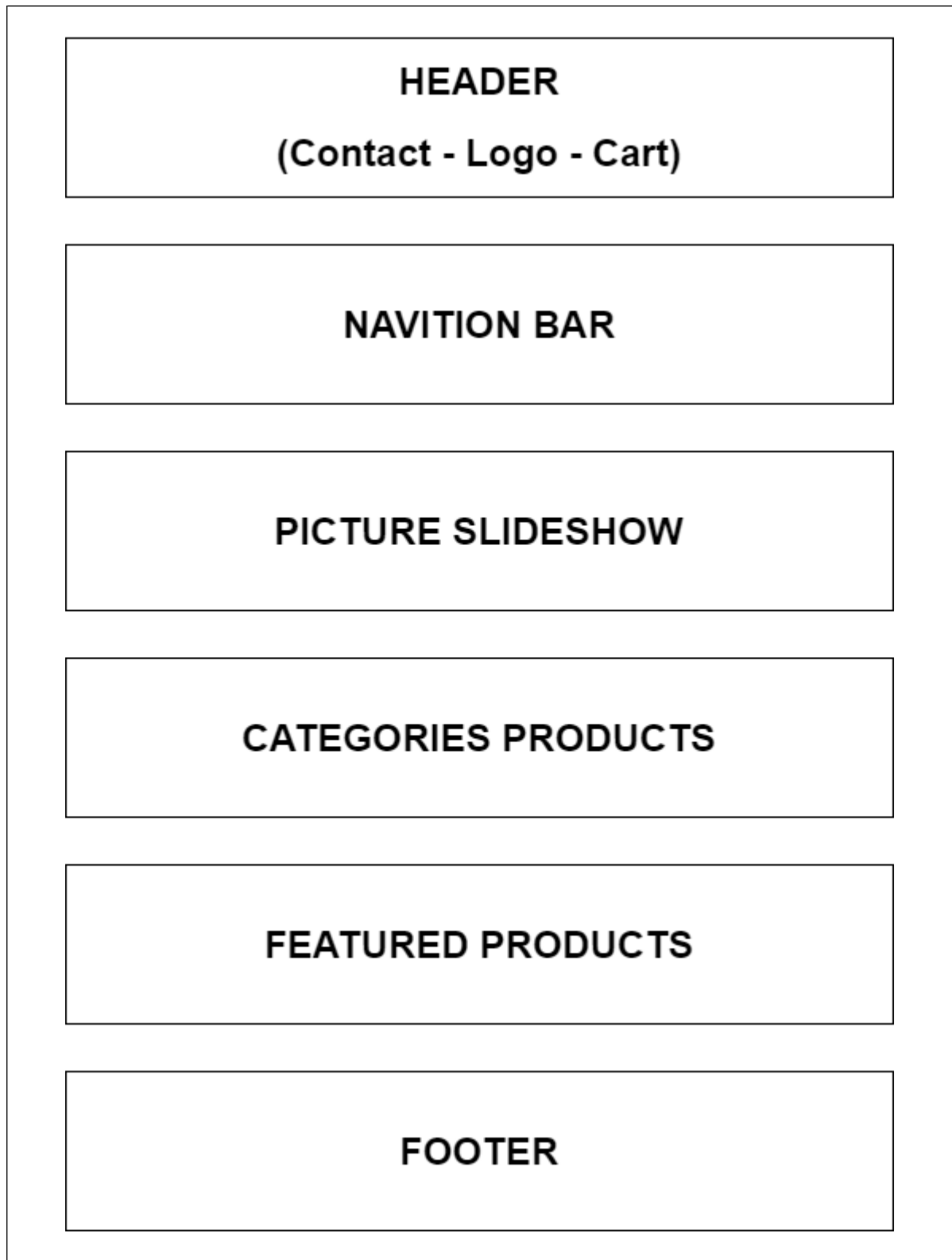
|                          |                           |
|--------------------------|---------------------------|
| <b>Date:</b>             |                           |
| Signature of Instructor: | Signature of Team Leader: |
| Ms. Le Mong Thuy         | Nguyen Mau Linh           |

## SITE MAP

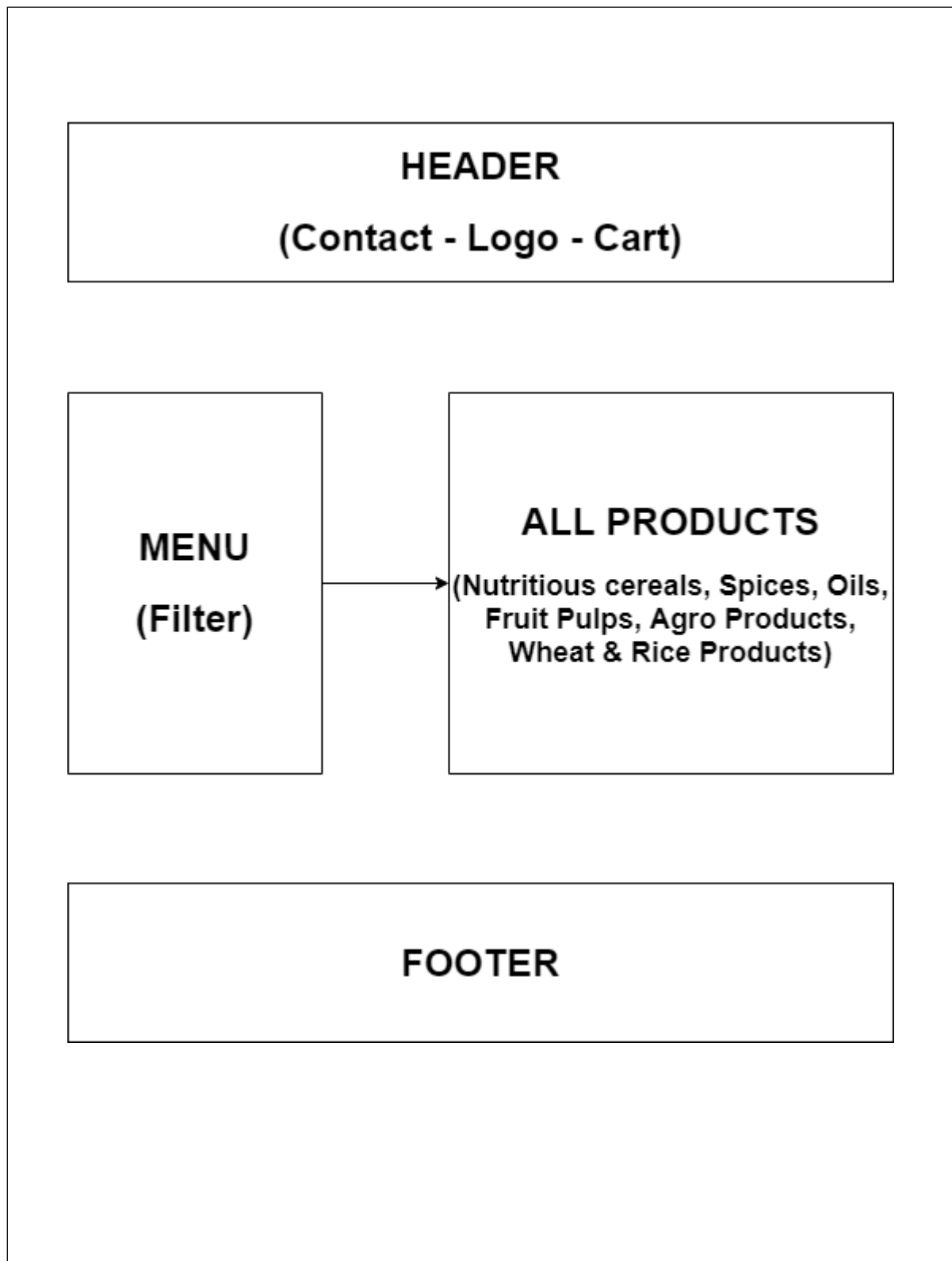


# MOCK OF THE WEBSITE

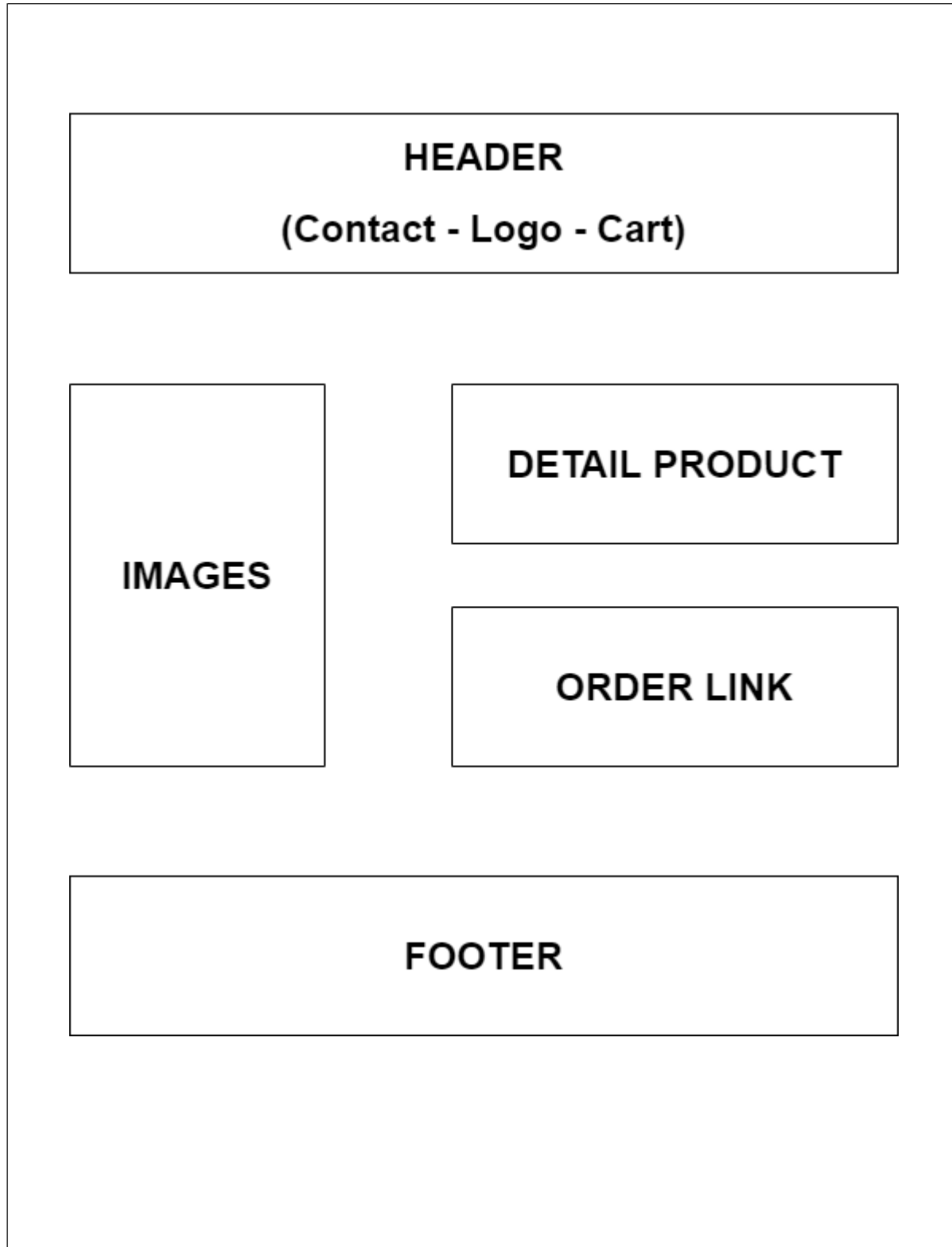
## Homepage



## Products



## Item Product



## Blog

### HEADER

(Contact - Logo - Cart)

### BLOGS

(Articles : nutritional, recipes... )

### FOOTER



## FAQs

### **HEADER**

**(Contact - Logo - Cart)**

### **QUESTIONS & ANSWER**

**(Payments, Delivery, Policies... )**

### **FOOTER**

## Contact Us

|                                          |                     |
|------------------------------------------|---------------------|
| <b>HEADER</b><br>(Contact - Logo - Cart) |                     |
| <b>ABOUT COMPANY</b>                     |                     |
| <b>MISSION &amp; VISION</b>              |                     |
| <b>SERVICES</b>                          |                     |
| <b>OUR TEAM</b>                          |                     |
| <b>MAP</b>                               | <b>CONTACT FORM</b> |
| <b>FOOTER</b>                            |                     |

## Payment

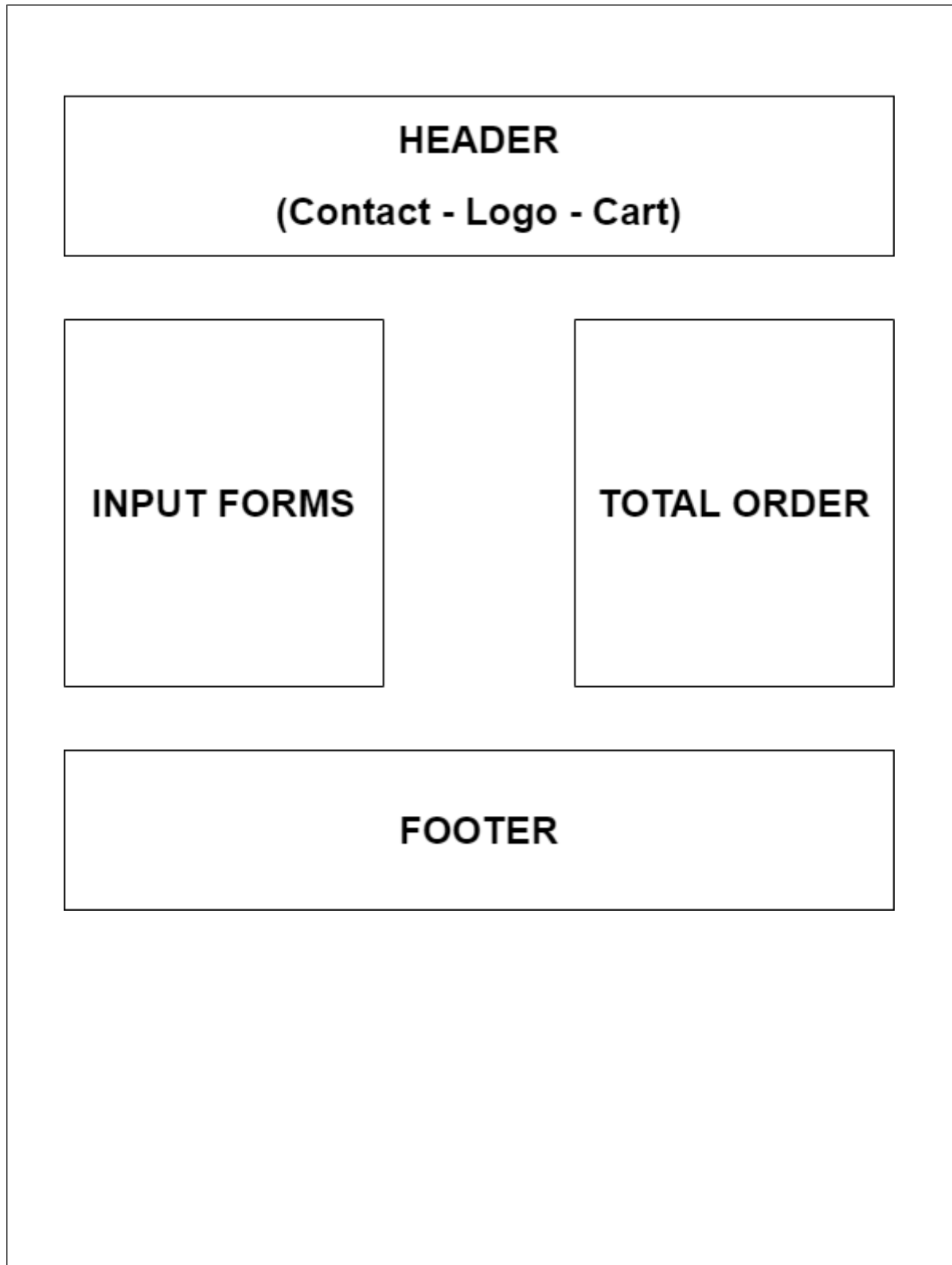
**HEADER**  
(Contact - Logo - Cart)

**CART'S INFORMATION**

**DISCOUNT**

**FOOTER**

## Check out





## WEBSITE DESCRIPTION

### 1. Home Page

#### a) Description

Home page displays following information:

- Categories of products
- Feature product such as new products.
- Review of products by users.

#### b) Screen shot



## CATEGORIES



NUTRITIOUS CEREALS



WHEAT & RICE



SPICES & CONDIMENTS



OILS



FRUIT PULPS



PULSE & AGRO



OILS



FRUIT PULPS



PULSE & AGRO

## FEATURE PRODUCTS



NUTRITIOUS CEREALS



WHEAT & RICE



SPICES & CONDIMENTS



OILS

### MORE INFO

[Home](#)  
[Products](#)  
[Blog](#)  
[FAQ](#)  
[Payment](#)

### CONTACT US

Feel free to call us  
in office time: +079 779 9702  
Or give us message through



### NEWSLETTER

Sign Up to get all news update and promo



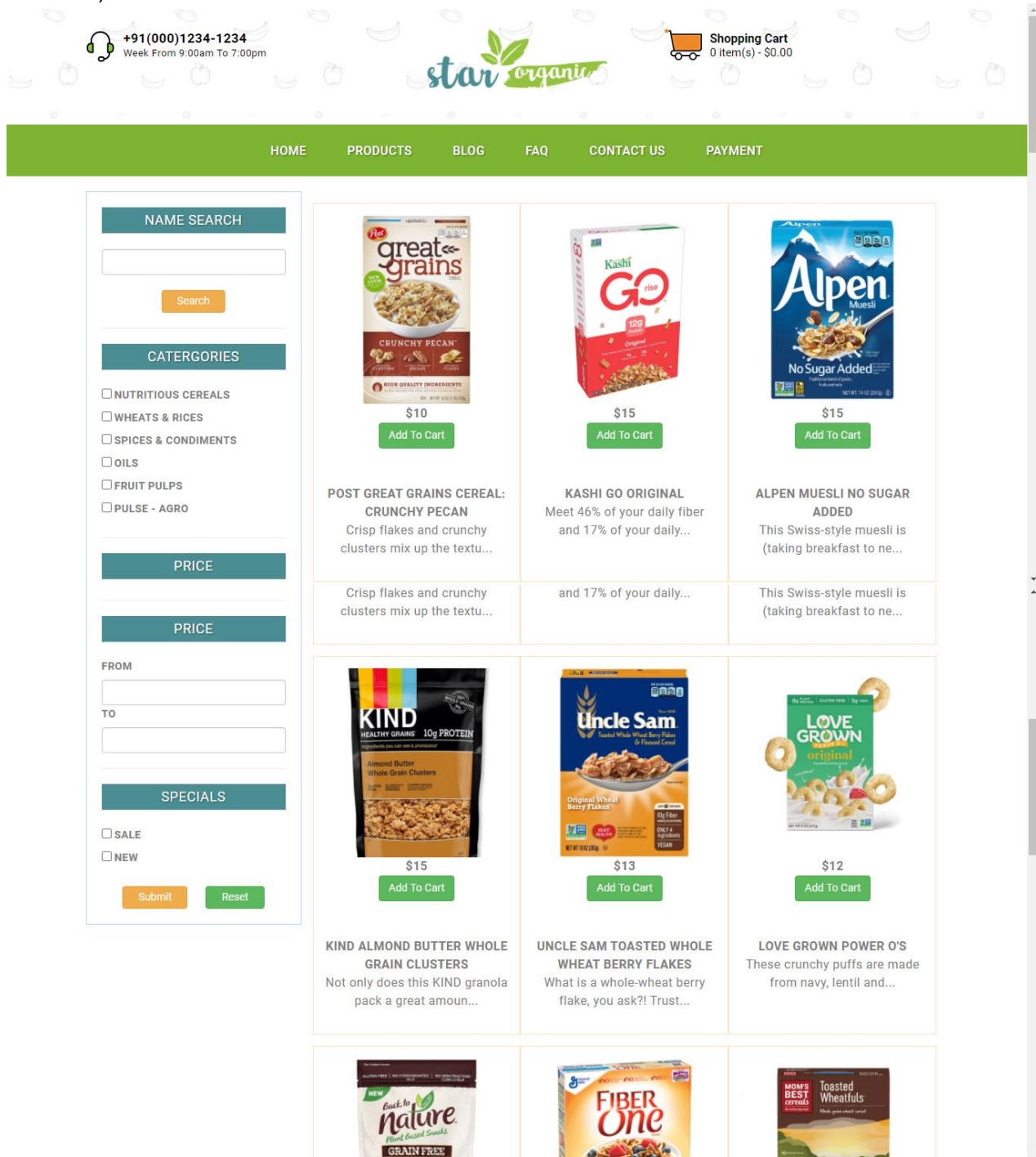
## 2. Products

### a) Description

This shop page displays following information:

- All products that being sold at Star Organic Farm (Nutritious cereals, Wheat, Rice, Spices, Oil, Fruit Pulp, Pulse, ...)
- When click on 1 specific item, it will open a page that show the detail of that item.
- Menu filter and search window to easily find items based on categories.

### b) Screen shot







\$20

Add To Cart

ORGANIC BASMATI WHITE RICE, 8 POUNDS – NON-GMO  
ORGANIC PRODUCT: Organic Basmati Rice does not acc...



\$21

Add To Cart

LUNDBERG ORGANIC CALIFORNIA WHITE BASMATI RICE, 32 OUNCE (PACK OF 1)  
An exotic choice when a fluffy, drier texture and ...



\$18

Add To Cart

SEEDS OF ORGANIC QUINOA 8.5 OUNCE (PACK OF 12)  
Made with USDA certified-organic Ingredients  
A ...

#### MORE INFO

[Home](#)  
[Products](#)  
[Blog](#)  
[FAQ](#)  
[Payment](#)

#### CONTACT US

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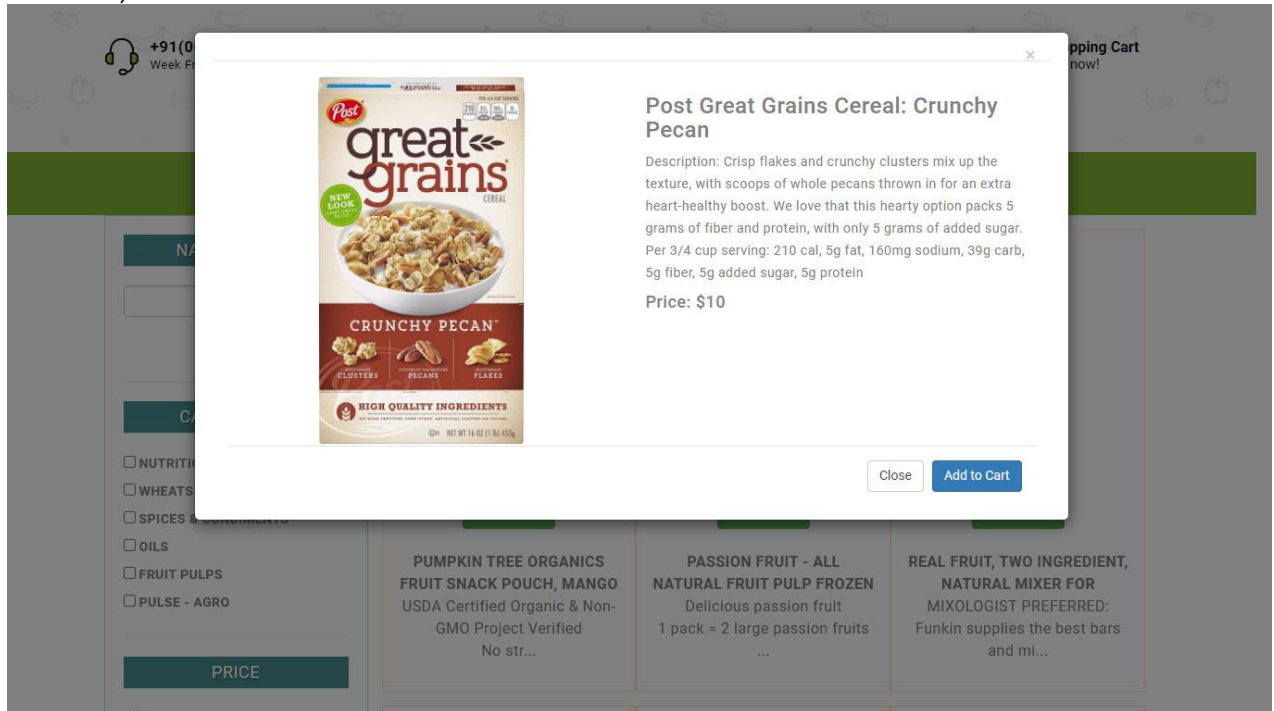
### 3. Products' Details

#### a) Description

This shop page displays following information:

- Picture, description, price of the item
- Select amount want to buy

#### b) Screen shot



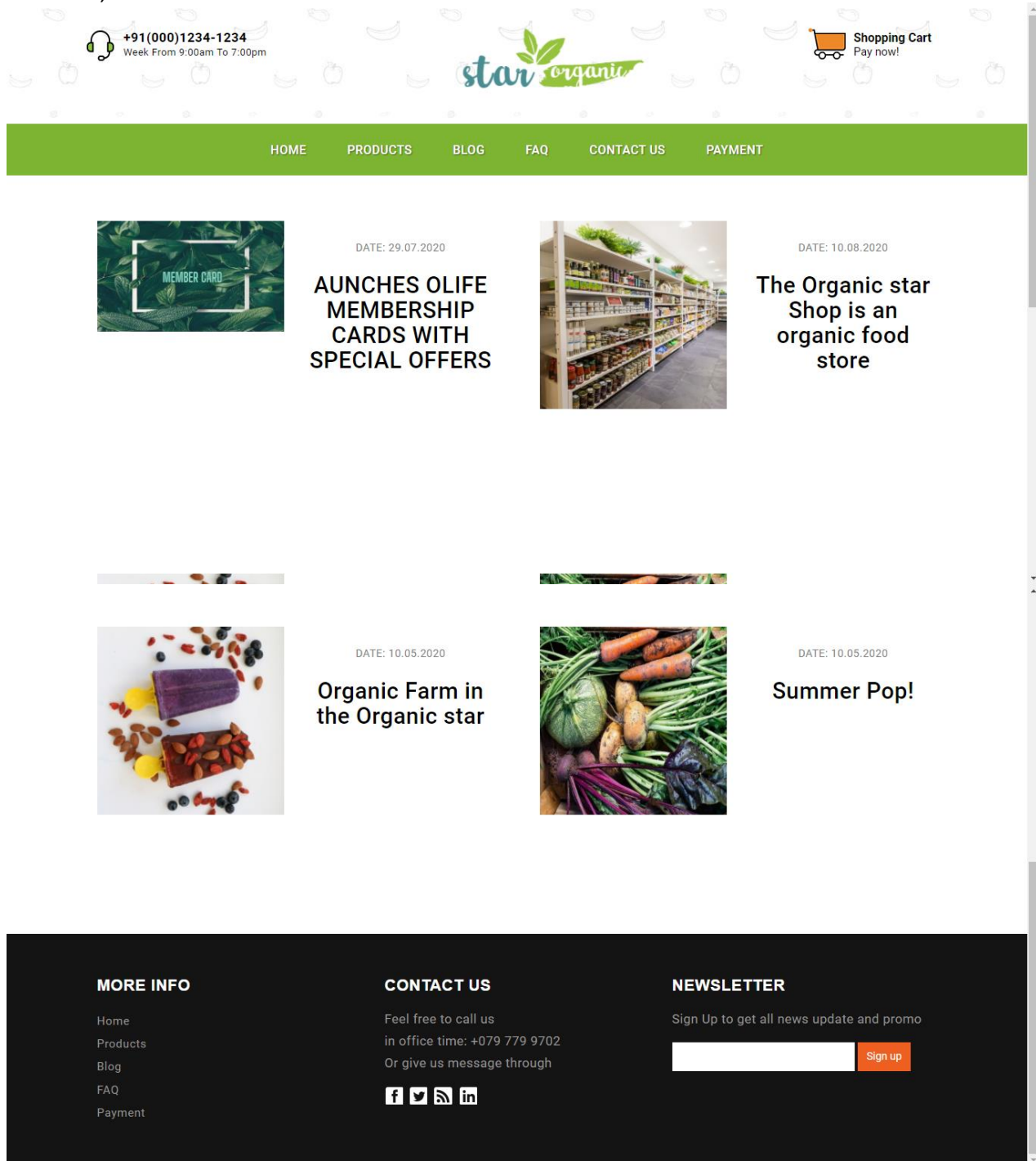
#### 4. Blog

##### a) Description

The blog page displays following information:

- Organic
- Healthy
- Fitness

##### b) Screen shot



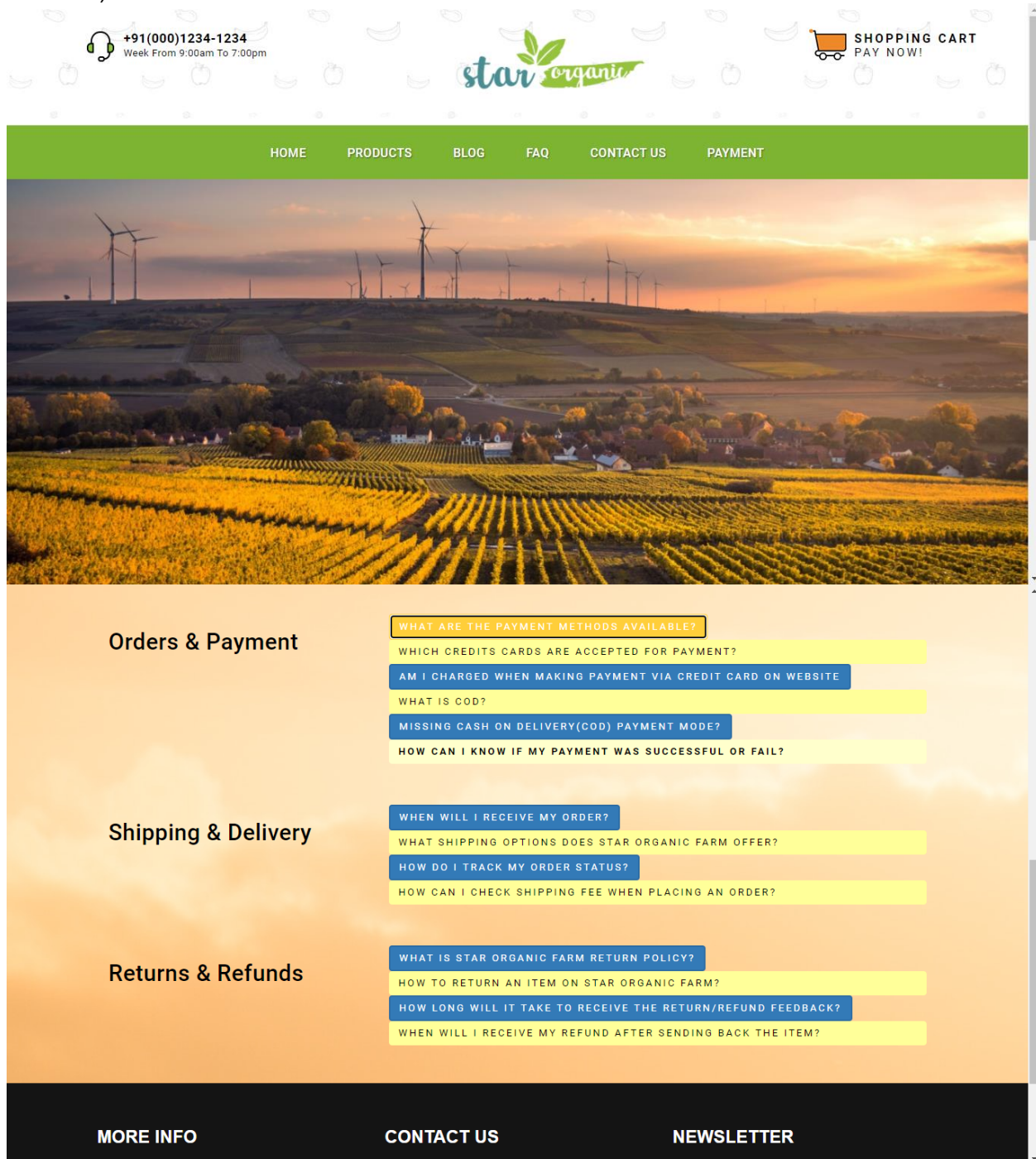
## 5. FAQ

### a) Description

This shop page displays following information:

- Shipping
- Return goods

### b) Screen shot



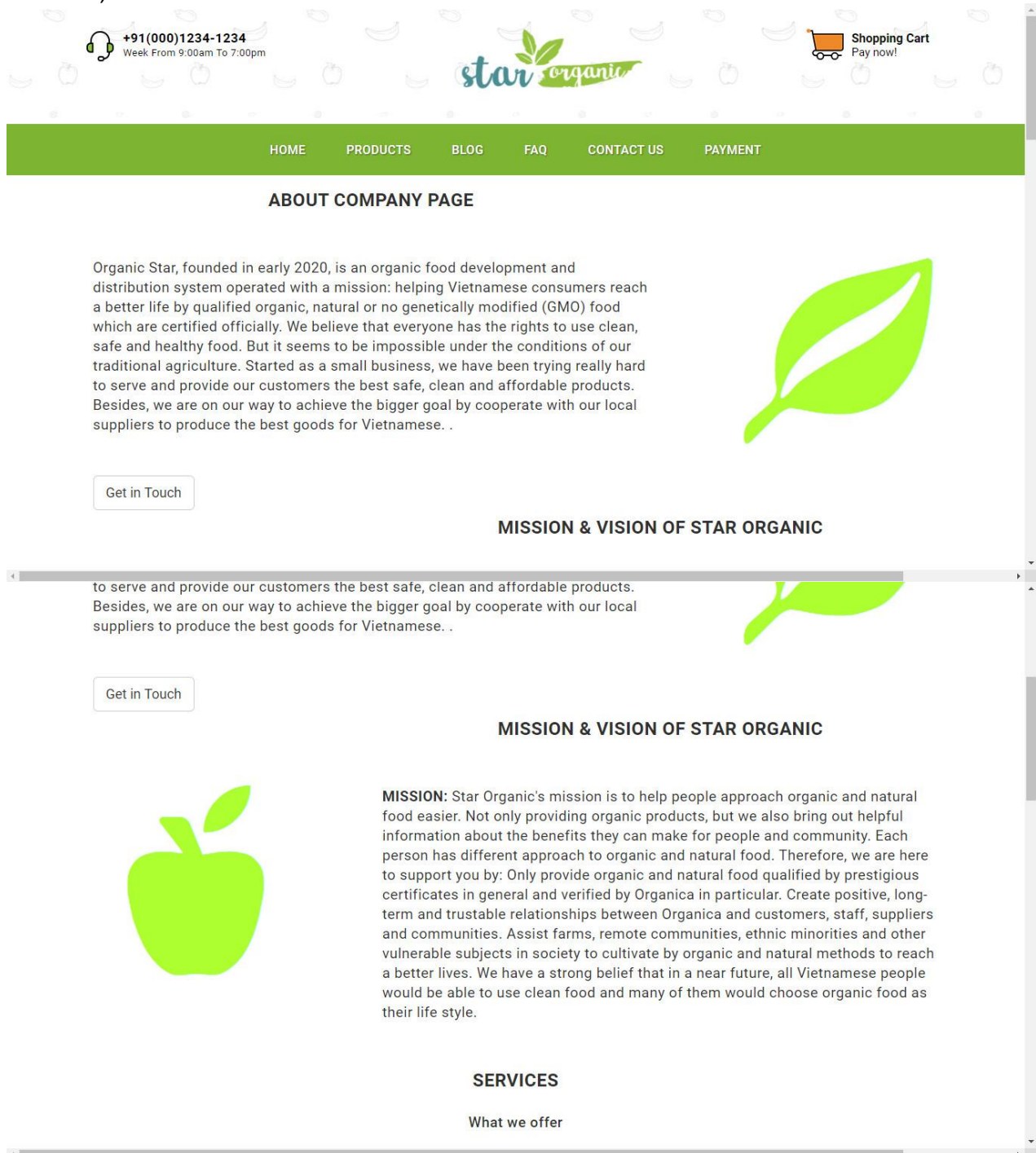
## 6. Contact us

### a) Description

This page displays contact information:

- Address & location on map, telephone number and email
- Contact form for customer.

### b) Screen shot





## SERVICES

What we offer



NUTRITIOUS CEREALS



WHEAT & RICE



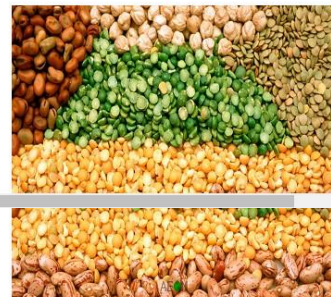
SPICES & CONDIMENTS



OILS



FRUIT PULPS



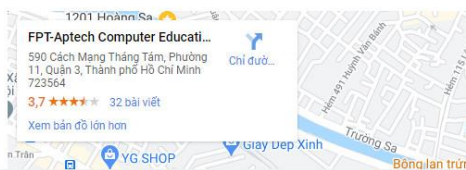
PULSE & AGRO PRODUCTS

## WHAT OUR CUSTOMERS SAY

"One word... WOW!!"  
John Doe, Salesman, Rep Inc

## CONTACT US

Swing by for a cup of coffee, or leave us a message:



First Name

Your name..

Last Name

Your last name..



Your last name...

Country

India

Subject

Write something..

Submit

#### MORE INFO

Home  
Products  
Blog  
FAQ  
Payment

#### CONTACT US

Feel free to call us  
in office time: +079 779 9702  
Or give us message through



#### NEWSLETTER

Sign Up to get all news update and promo

Sign up

## 7. Payment

### a) Description

This webpage displays item that being purchased, quantity and price of each item.

### b) Screen shot

The screenshot shows the 'Your Detailed Orders' section of the Star Organic website. The page features a green navigation bar with links: HOME, PRODUCTS, BLOG, FAQ, CONTACT US, and PAYMENT. Below the navigation bar, the 'Your Detailed Orders' section is displayed, which includes a table with columns: No., Name, Price, Quantity, and Amount. The table is currently empty, with a 'Total Amount: {{total}}' at the bottom right. To the right of the table, there are buttons for 'Checkout', 'Continue shopping', and 'Remove all'. The footer section contains three columns: 'MORE INFO' with links to Home, Products, Blog, FAQ, and Payment; 'CONTACT US' with contact details and social media icons; and 'NEWSLETTER' with a sign-up form and button.

| No.           | Name | Price | Quantity | Amount    |
|---------------|------|-------|----------|-----------|
| Total Amount: |      |       |          | {{total}} |

Buttons: Checkout, Continue shopping, Remove all

**MORE INFO**  
Home  
Products  
Blog  
FAQ  
Payment

**CONTACT US**  
Feel free to call us  
in office time: +079 779 9702  
Or give us message through  
Facebook, Twitter, RSS, LinkedIn

**NEWSLETTER**  
Sign Up to get all news update and promo  
[Sign up button]



## 8. Check out

### a) Description

This webpage displays billing detail and total price of items that we wish to purchase. Upon clicking place order, the purchase order will be placed.

### b) Screen shot

Total Amount: {{total}}

[Checkout](#) [Continue shopping](#) [Remove all](#)

**We are here for you !**

Please complete and submit the following form.

[Submit](#) [Reset](#)

[MORE INFO](#) [CONTACT US](#) [NEWSLETTER](#)

# JAVASCRIPT

Screen shot:

a. Code filter

```

4  $(document).ready(function ($) {
5      $.getJSON("../js/foodList.json")
6          //Load data success
7      $.done(function (result) {
8          database = result;
9          let s = [];
10         var params = {};
11         let items = [];
12         // get filter key
13         window.location.search.replace(/[?&]+(?:=[^&]*)-gi, function (str, key, value) {
14             params[key] = value;
15         });
16         var size = Object.entries(params).length; //Length of filter
17         items = database;
18         //filter category
19         if (size == 1) {
20             cat = params["cat"];
21             items = items.filter(ele => ele.cat == cat);
22             $('#'+ cat).prop('checked', true);
23         }
24         //filter price, name
25         if (size > 1) {
26             var from, to, nameSearch, cate;
27             for (var [key, value] of Object.entries(params)) {
28                 // filter price from
29                 if (key == 'price-filter-from') {
30                     from = value == "" ? 0 : parseInt(value);
31                 }
32                 // filter price to
33                 else if (key == 'price-filter-to') {
34                     to = value == "" ? 1000 : parseInt(value);
35                 }
36                 //filter name
37                 else if (key == 'search') {

```

```

38             nameSearch = value.trim().replaceAll(' ', ' ');
39             var r = new RegExp(nameSearch, "i");
40         }
41         else if (key == 'cat') {
42             cate = value;
43             $('#'+ cate).prop('checked', true);
44         }
45     }
46     items = items.filter(ele => ((ele.name.search(r) >= 0) && (ele.price >= from && ele.price <=
47         to) && ele.cat.search(cate) >= 0));
48     // filter category
49     $('#filterCatItem').click(function (e) {
50         if (!$(this).is(':checked')) {
51             let param = getUpdatedParam("cat", $(this).val(), "hide")
52             window.location.href = 'products.html?' + param; //unchecked
53         } else {
54             let param = getUpdatedParam("cat", $(this).val())
55             window.location.href = 'products.html?' + param; //checked
56         }
57     })
58     // un items on screen

```

## b. Cart

```

126
127
128 // Add Cart
129 function addCart(id) {
130     var item = database[id - 1];
131     var newEle = {
132         "id": id,
133         "name": item.name,
134         "price": item.price,
135         "qty": 1
136     }
137     if (localStorage.getItem("cart") == null) {
138         cart = [];
139     }
140     else {
141         cart = JSON.parse(localStorage.getItem("cart"));
142     }
143     var find = false;
144     cart.forEach(element => {
145         if (element.id == id) {
146             element.qty++;
147             find = true;
148         }
149     });
150     if (!find) {
151         cart.push(newEle);
152     }
153     localStorage.setItem("cart", JSON.stringify(cart));
154     alert("Add cart succeeded !");
155 }

```

# TASK SHEET REVIEW 3

| Project Ref. No.: |                   | Project Title:    | Activity Plan Prepared By: | Date of Preparation of Activity Plan: |             |                 |           |
|-------------------|-------------------|-------------------|----------------------------|---------------------------------------|-------------|-----------------|-----------|
| Sr.               | Task              |                   |                            | Actual Start Date                     | Actual Days | Team Mate Names | Status    |
| 1                 | Home page         | Star Organic Farm | Linh                       | 24-Sep-20                             | 1           | Phuc            | Completed |
| 2                 | Products          |                   |                            | 26-Sep-20                             | 2           | Phuc            | Completed |
| 3                 | Products' Details |                   |                            | 25-Sep-20                             | 1           | Bang            | Completed |
| 4                 | Blog              |                   |                            | 26-Sep-20                             | 1           | Bang            | Completed |
| 5                 | FAQ               |                   |                            | 25-Sep-20                             | 1           | Linh            | Completed |
| 6                 | Contact us        |                   |                            | 27-Sep-20                             | 1           | Bang            | Completed |
| 7                 | Payment           |                   |                            | 26-Sep-20                             | 1           | Linh            | Completed |
| 8                 | Check out         |                   |                            | 27-Sep-20                             | 1           | Linh            | Completed |
| 9                 | Javascript        |                   |                            | 28-Sep-20                             | 1           | Phuc            | Completed |
| 10                | User Guide        |                   |                            | 28-Sep-20                             | 1           | Bang            | Completed |

|                          |                           |
|--------------------------|---------------------------|
| Date:                    |                           |
| Signature of Instructor: | Signature of Team Leader: |
| Ms. Le Mong Thuy         | Nguyen Mau Linh           |