



ECO THRIVE MARKET

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OUTLINE

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Abstract

There is a clear gap in the market as a result of the growing demand for eco-friendly products brought about by the increased awareness of environmental sustainability. This disparity results from the difficulty in establishing connections between consumers who care about the environment and trustworthy vendors of sustainable products. The Eco Thrive Market project seeks to close this gap by launching a specialized platform in response. This platform will function as a marketplace, enabling the smooth exchange of information between environmentally concerned consumers and reliable providers of sustainable goods. Eco Thrive Market wants to create a thriving ecosystem where customers can readily find and support ecologically friendly solutions by utilizing technology to improve accessibility and transparency.

Problem Statement

A gap in the market has been brought to light by the rising demand for sustainable products and the difficulty in matching environmentally conscious customers with reputable eco-friendly suppliers. In order to close this gap, Eco Thrive Market offers a marketplace that selects and advertises eco-friendly goods while guaranteeing ease of use, authenticity, and transparency for both customers and sellers.

Aim and Objective

Aim:

- ❑ The aim of the Eco Thrive Market project is to establish a comprehensive and user-friendly online marketplace that promotes sustainable living by providing a centralized platform for eco-conscious consumers to discover, compare, and purchase a diverse range of environmentally friendly products.

Objectives:

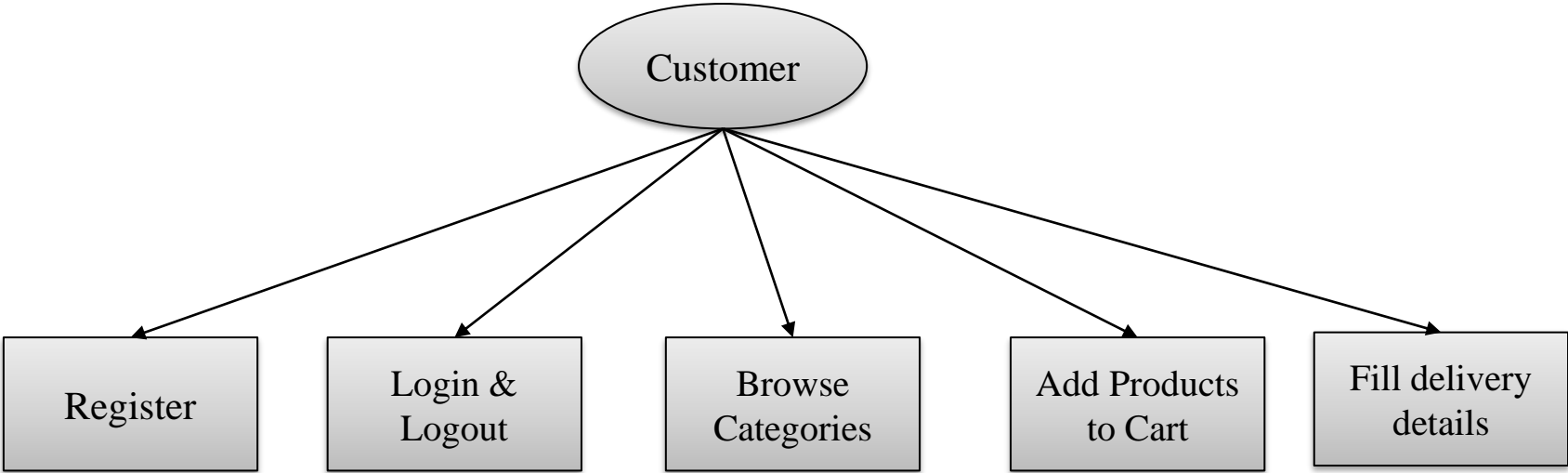
- Create a User-Friendly Platform.
- Support and Promote Sustainable Organic Products.
- Encourage Farmer's Community Engagement.
- Educate and Raise Awareness.

Proposed Solution

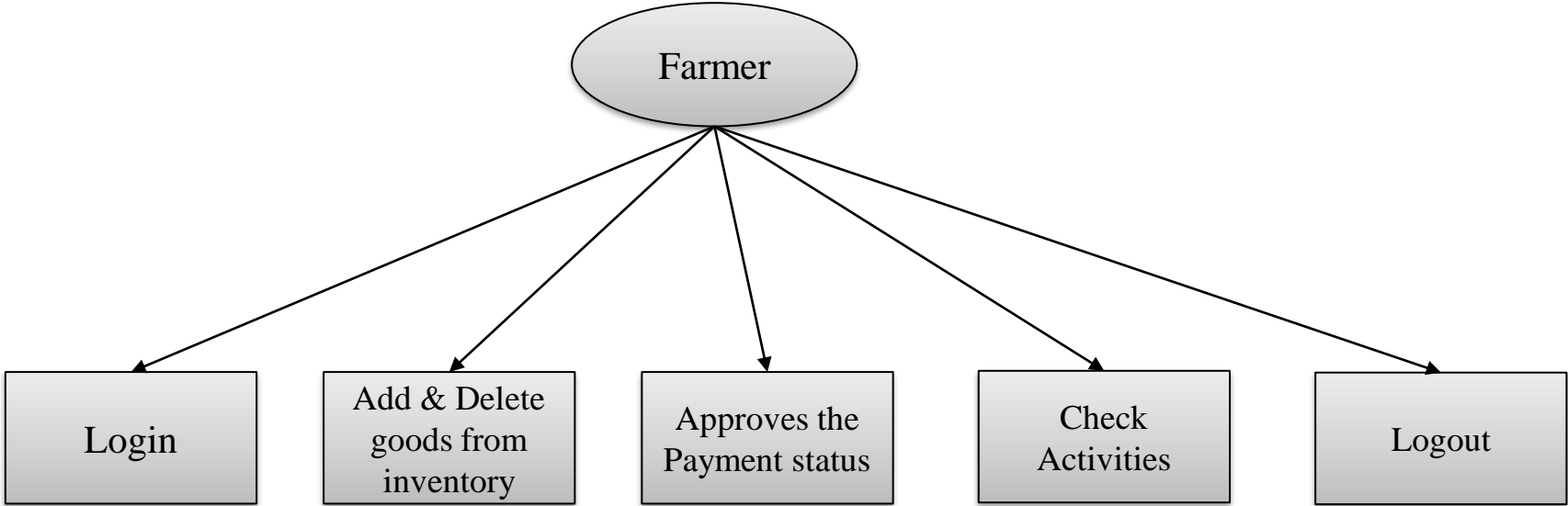
The proposed solution involves the establishment of a specialized marketplace, leveraging technology to facilitate seamless information exchange between consumers and reliable providers of sustainable goods. The project acknowledges the challenge of connecting environmentally conscious consumers with trustworthy sustainable product vendors. Eco Thrive Market aims to bridge the existing gap in the market fueled by the escalating demand for eco-friendly products amid heightened environmental awareness. In existing systems there is no relationship between vendors and customers but in our project we proposed a system that vendors directly connect with the customers. This will make easier to the customers and make community engagements.

System Architecture

Customer Module:



Farmer Module:



Algorithm

Algorithm: User Authentication

Input:

- \$_POST['email']: User-provided email
- \$_POST['pass']: User-provided password
- \$_POST['image']: User-provided Image
- \$conn: Database connection object
- \$_SESSION: PHP session variable
- \$message: Array to store messages

1. Retrieve user-provided email and password from the POST request.

- \$email = \$_POST['email'];
- \$pass = md5(\$_POST['pass']);

2. Prepare an SQL statement to select user data from the 'users' table based on the email and hashed password.

- \$sql = "SELECT * FROM users WHERE email = ? AND password = ?";

3. Prepare a PDO statement for executing the SQL query.

- \$stmt = \$conn->prepare(\$sql);

Algorithm

4. Execute the SQL query with the sanitized email and password.

- `$stmt->execute([$email, $pass]);`

5. Get the number of rows returned by the SQL query.

- `$rowCount = $stmt->rowCount();`

6. Fetch the user data as an associative array.

- `$row = $stmt->fetch(PDO::FETCH_ASSOC);`

Successful authentication may set session variables and redirect the user.

Failure to authenticate may populate `$message` with relevant error messages

End Algorithm

Deployment Steps

1.Set Up the Database:

- Create a MySQL database with a table named **users** containing fields like username, **email**, **password** and **image**.

2.Create Config.php:

- Create a PHP script (**Config.php**) responsible for establishing a connection to the MySQL database. Make sure to handle errors gracefully.

3.Deploy PHP Script:

- Place the PHP script containing the provided code on your web server. Ensure it is accessible via the appropriate URL.

4.Configure Server Environment:

- Ensure that your server environment supports PHP and MySQL. For that install Xampp server

5.Test the Application:

- Test the login functionality thoroughly to ensure it works as expected.
- Check for any security vulnerabilities, such as SQL injection or session fixation attacks.

6.Monitor and Maintain:

- Regularly monitor your application for errors and security vulnerabilities.
- Keep your server software, including PHP and MySQL, Xampp server up to date with the latest patches and update

Technology Used

- **Operating System:** Windows
- **Front-End:** HTML, CSS, JavaScript
- **Back-End:** PHP
- **Data-Base:** MySQL
- **Server:** Xampp Server

Conclusion

In conclusion, the Eco Thrive Market project aims to address the increasing demand for sustainable products by establishing a platform that connects environmentally conscious consumers with reputable eco-friendly suppliers. By providing a centralized marketplace, the project seeks to foster a sustainable ecosystem, catering to the needs of both consumers and suppliers in the ever-growing market for eco-friendly products. Through this initiative, the project envisions contributing to a more environmentally conscious and thriving marketplace.

Future Scope

The future scope of your project, Eco Thrive Market, is vast and promising. Here are some potential directions:

- **Expansion of Product Categories:** As the demand for sustainable products grows, you can expand the range of product categories offered on the platform. This could include everything from clothing and accessories to home goods, beauty products, and even food items.
- **Global Reach:** While starting locally or nationally, there's a huge potential for expanding the services globally. This would connect eco-friendly suppliers and consumers worldwide, making sustainable products more accessible.
- **Technology Integration:** Leveraging technology like AI and machine learning could enhance user experience through personalized recommendations, better search functionality, and efficient customer service.

References

- 1) <https://www.collegenutritionist.com/blog/8-benefits-of-organic-food/>
- 2) <https://www.strategy-business.com/article/The-rise-of-the-eco-friendly-consumer>
- 3) <https://www.indianretailer.com/article/whats-hot/retail-trends/rise-of-eco-friendly-products-in-indian-market.a7723>

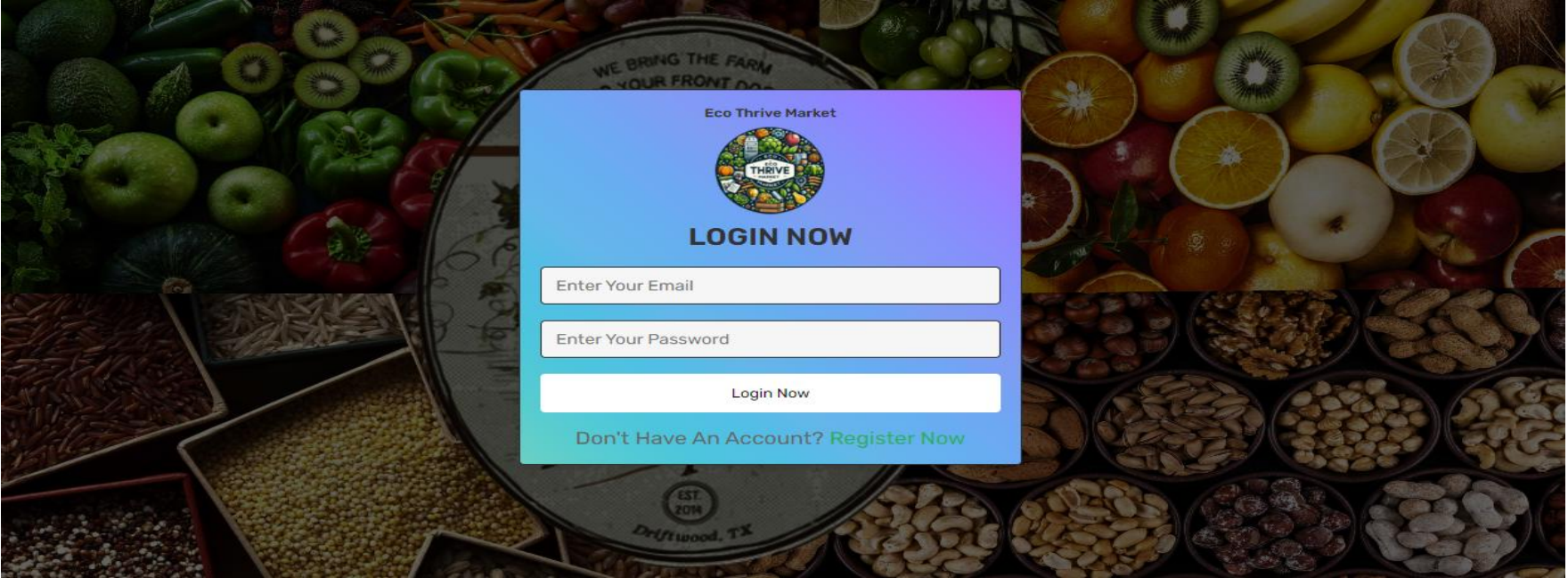
Frontend part

Register Page:



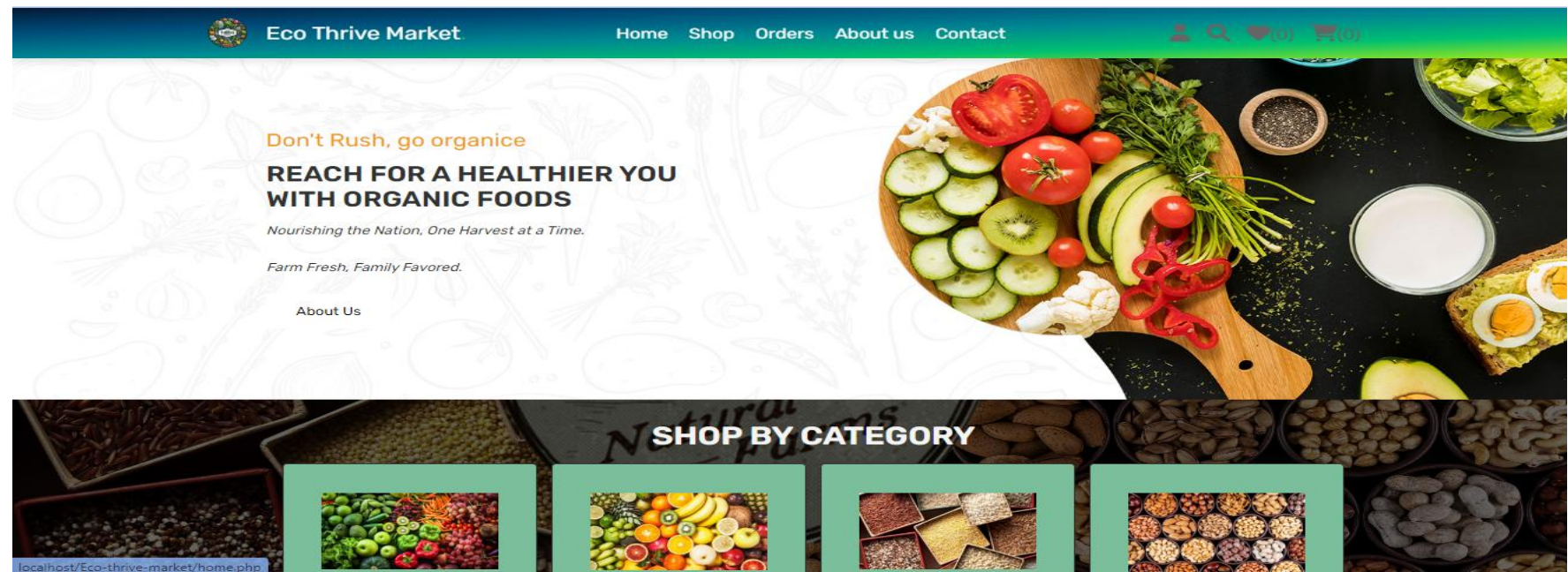
Frontend part

Login Page:



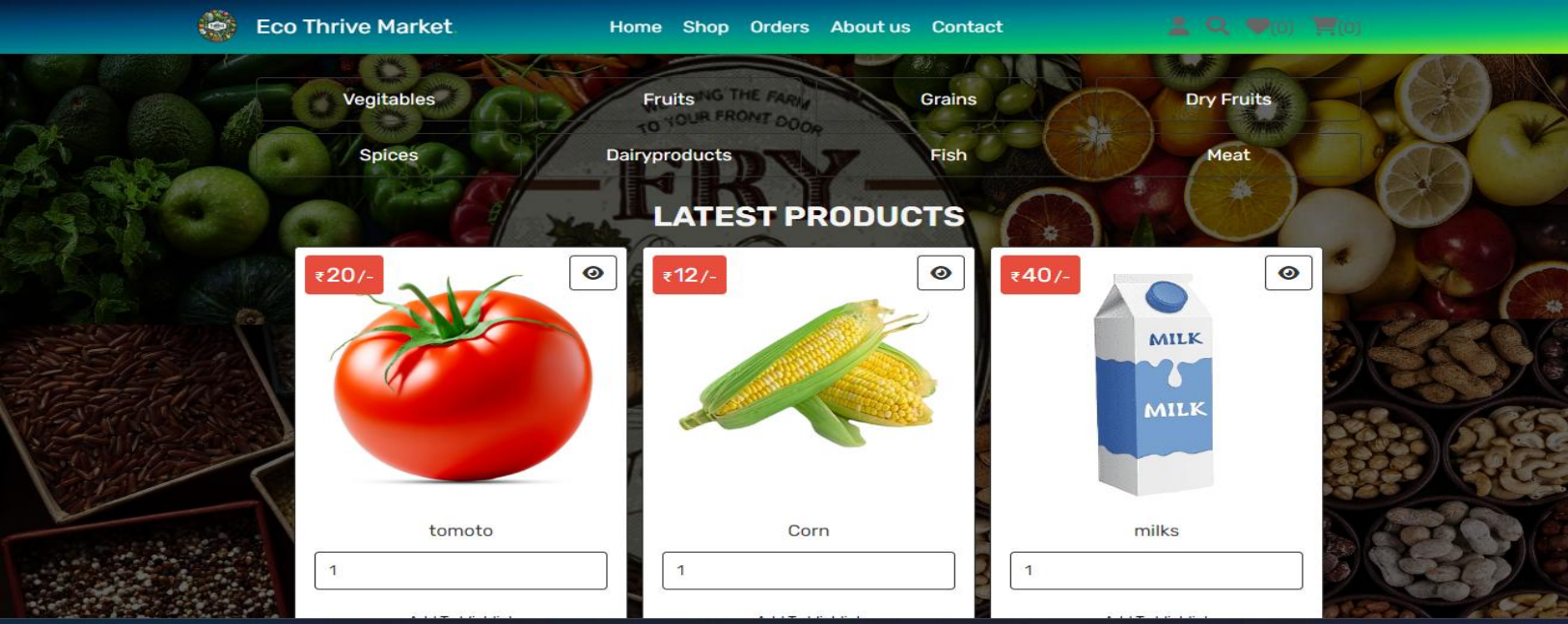
Frontend part

Home Page:



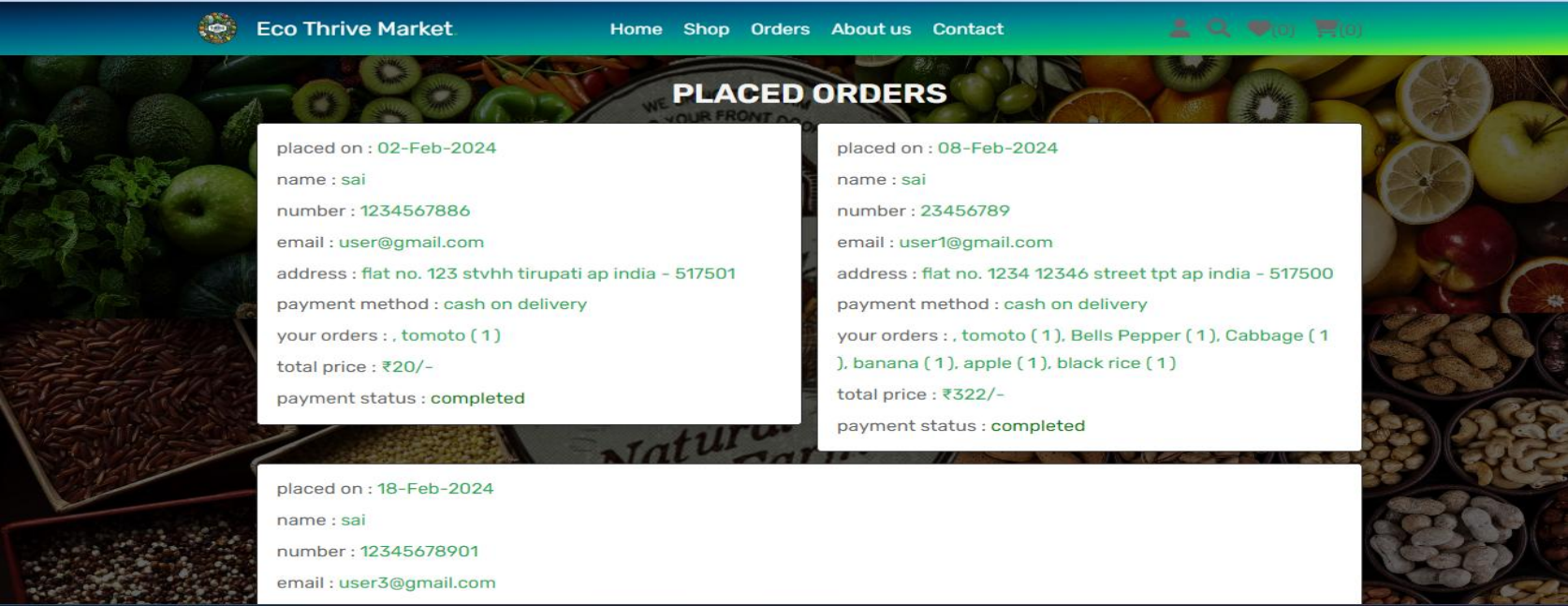
Frontend part

Shop Page:



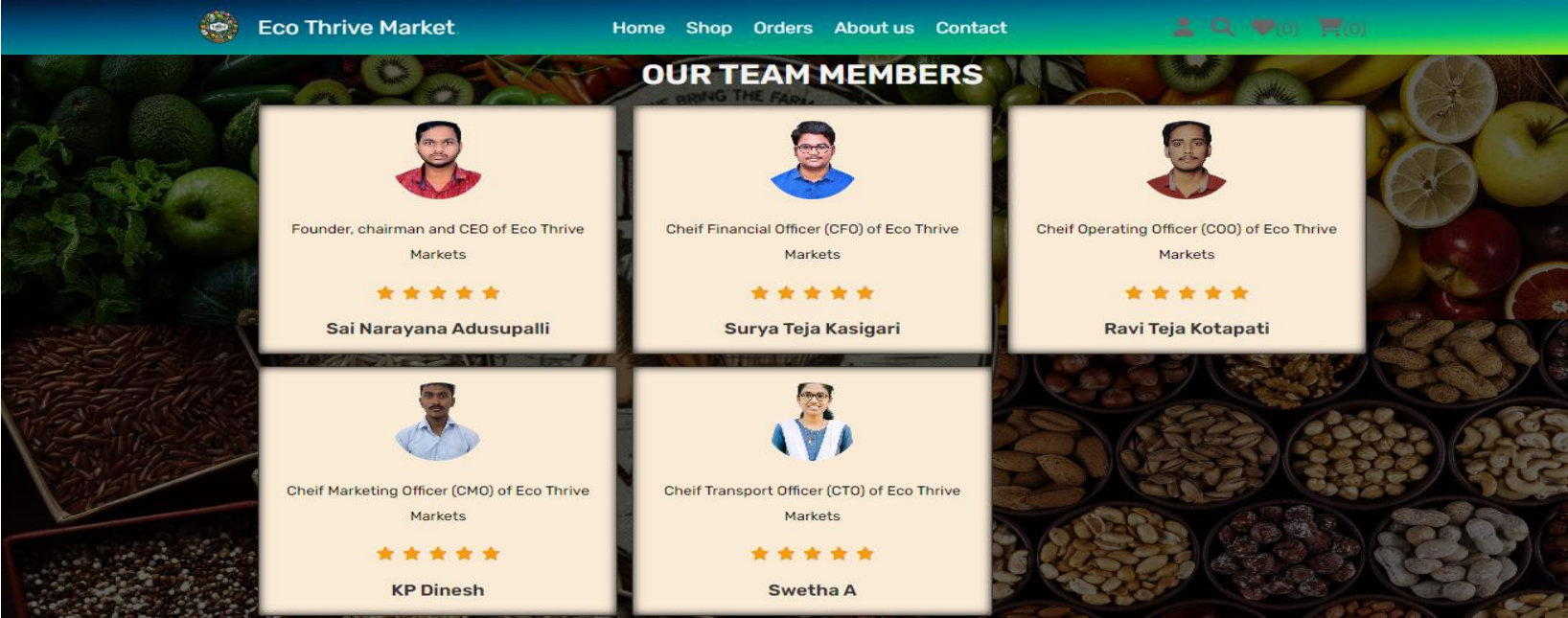
Frontend part

Orders Page:



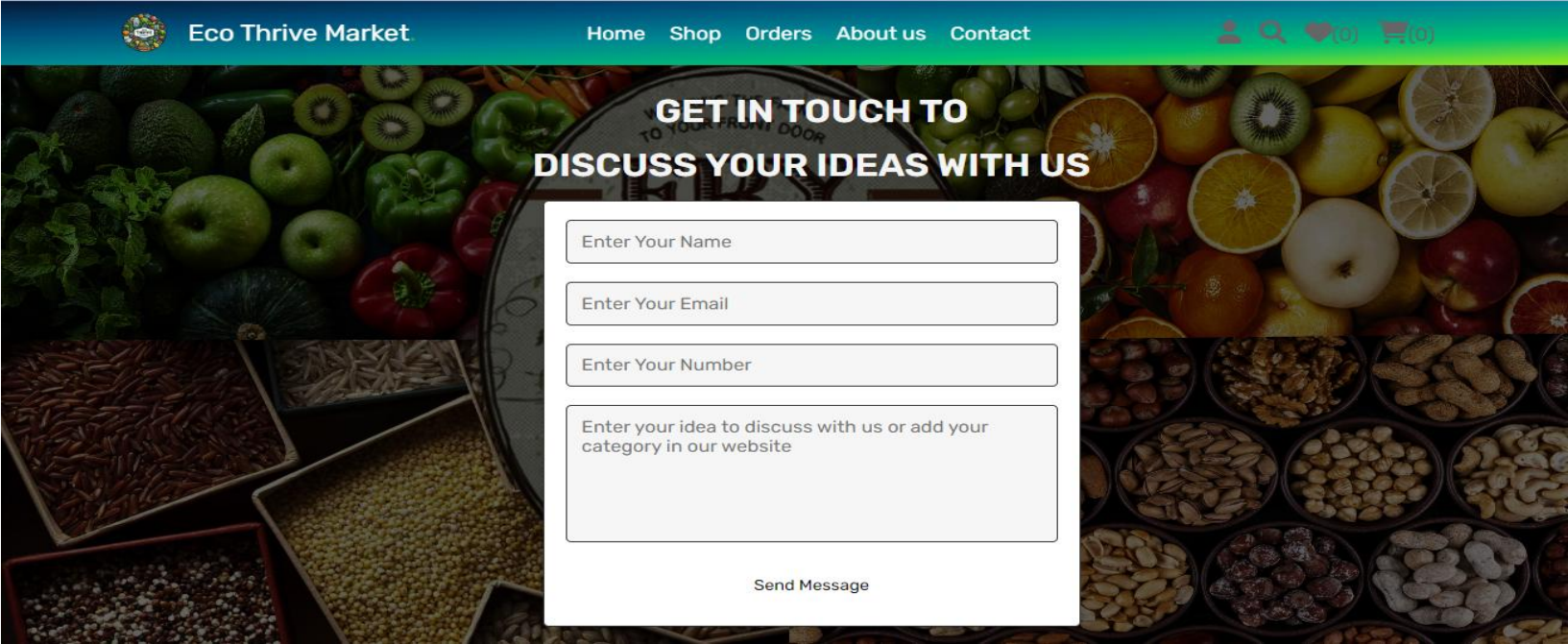
Frontend part

About us Page:



Frontend part

Contact Page:



Project Demo Links:

GitHub Link:

<https://github.com/SURYA2745/ECO-THRIVE-MARKET>

Video Demo Link:

<https://drive.google.com/file/d/18vywcOa0PdBkFwzUQqCL5OUvgYegbP0z/view?usp=sharing>

Thank you!