Green Square
Project Presentation

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Description

Our project is a web application that allows selling and buying of organic products grown or manufactured at any household.

Abstract

Our project develops an e-commerce website tailored for farmers and local producers, enabling direct sales of fresh produce to consumers. The platform eliminates intermediaries, empowering farmers to reach a wider market and establish direct connections with customers. Consumers benefit from convenient access to locally sourced produce.

Comparison between Existing and Proposed System

There are many platforms that support local producers and their products, but in most platforms intermediaries are always present. By using our web application, producers can directly sell their products without any intermediaries. Not only farmers but also household producers can sell the products they locally produce. Our project aims to make technology accessible to local farmers and promote sustainable agriculture.

Objectives

Our objective is to create an online platform that connects not only farmers but also every local producer who wishes to sell their products locally to consumers easily.

We aim to make technology accessible to local farmers and facilitate direct interaction between producers and consumers to prevent potential increases in cost caused by middlemen.

Motivation

- Promoting local, sustainable agriculture.
- Empowering small-scale producers.
- Selling multiple kinds of products.
- Encouraging community engagement.

System Requirements

- **Server:** The web application requires a server to host the website and its database.
- **Hosting:** The web application should be hosted on a reliable hosting service that provides sufficient bandwidth and storage space for the website and its database.
- **Browser Compatibility:** The web application should be compatible with different web browsers, including Google Chrome, Mozilla Firefox, and Safari.

User Requirements

While using our web application, the users should be able to:

- Search for products based on various criteria such as product name, category, price, and location.
- View detailed information about the products, including images, descriptions, and pricing information.
- Create their own accounts to save their personal information, order history, and leave feedback on the products.
- Create their own profiles to list their products for sale or buy products from our application.
- Find answers to frequently asked questions about the products, sellers, or the website through a knowledge base.
- See detailed information about the sellers, including their location, contact information, ratings, and reviews.

Technologies Used

- **Front-End:**
  - Svelte: A lightweight framework for fast, high-performance web development.
  - Svelte Kit: A framework for building web applications with Svelte, providing tools and features for seamless user experiences.
  - Figma : A comprehensive UI/UX design tool.
- **Back-End:**
  - Node.js: A server-side JavaScript runtime environment for building scalable and fast back-end applications.
  - Express.js: A web application framework for Node.js that simplifies building RESTful APIs.
- **Database:** MySQL and MongoDB

References

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- https://dribbble.com/
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- https://www.w3schools.com/
- https://www.figma.com/