Analysis Document

Requirement Analysis: Krishibzar
Project Name: Krishibzar
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Project Team Name: Team Nirvana
Project Start Date: May 2023
Project End Date: _
Project Budget: _

Project Scope:

-Our platform "Krishibzar" aims to bridge the gap between vegetable sellers and customers by providing a direct link between vegetables sellers and customers throughour website, which will be more cost-effective, efficient and convenient for both parties.

The main scopes of our application are as follows:

-To design and implement a user-friendly e-commerce website for selling fruits and vegetables.

-To improve the efficiency of sales and distribution by leveraging digital technology.

-To provide direct link between vegetable and fruit seller/ farmers and customers, eliminating intermediaries or middleman.

-To allow farmers/sellers to upload their products with images, descriptions, price and location on the platform which will enable customers to browse and purchase

products online.

-To help farmers expand their customers base, increase sales and reduce waste and cost.

Research and study:

-Proper research and explanation are needed before performing any tasks. We have thought of this project idea for quite a long time and planned to implement it on a semester project. First, we conducted extensive research and studied on the current market trends, customers behavior, and the requirements of farmers and sellers. This involved the collection of data through surveys and interviews with farmers, sellers, and potential customers. We have also conducted a thorough analysis of existing websites to identify areas that we need improvement and to incorporate innovative features .

Then, we decided what platform we are going to use to develop this project. After the platform was finalized, we decided to divide the part in two ways: FrontEnd and BackEnd. People with interest in FrontEnd started to study and research FrontEnd and People with BackEnd interest started to study BackEnd.

Target Audience:

-Everyone who wants to sell their products and customers who wants to buy products online in efficient and effective way.

Functional Requirements:

-User Registration: Allow farmers and buyers to create separate accounts on your website. Collect necessary information such as name, email, and password for account creation.

-User Profiles: Provide a profile page for each user where they can manage their personal information, contact details, and other relevant details.

-Product Listings: Allow farmers to create listings for their available products. Each listing should include details such as product name, description, quantity, price, and any additional information.

-Search and Filters: Implement a search functionality that allows buyers to search for specific products based on categories, keywords, or location. Provide filters to help buyers narrow down their search results.

-Product Display: Display product listings with clear images, descriptions, and pricing information. Ensure that the information is well-organized and easily readable.

-Shopping Cart: Enable buyers to add products to a virtual shopping cart, review their selected items, and proceed to the checkout process.

-Order Management: Provide a system for buyers and sellers to track their orders, view order history, and receive notifications about order updates.

Reviews and Ratings:

-Allow buyers to leave reviews and ratings for the products they have purchased. This feedback can help other buyers make informed decisions and establish trust within the community.

Messaging and Notifications: Implement a messaging system that allows buyers and sellers to communicate directly within the platform. Send notifications to users for important updates such as order status changes or new messages.

Privacy and Security: Implement necessary security measures to protect user data and ensure that transactions and personal information are securely handled.

Motivation and Significance:

-Any big project is a collaborative process. For the successful completion of a project, all members need to do their fair share of work and contribute for work done on time. The motivation behind this project is to address the challenges faced by the farmers and sellers in marketing their produce by the online platform in this digital age. By developing a website that connect farmers/sellers with potential customers, we hope to promote the growth of the agricultural sector and reduce wastage produce. This project aims to provide an innovative solution to address these challenges and somehow contribute to the growth.

Expected Outcome:

-Krishibzar will create a platform where user can create an

account and after that they can sell their products related to vegetable/fruits where various customers can buy their products. It will provide descriptions of product, price, location, quantity, payment system and other related information so that the customers can buy product in online method. It will help to improved income for farmers and sellers and contribute to the growth of the agricultural sector by providing an innovative solution to address the challenges faced by small scale farmers in accessing markets to sell their products.

Testing plan
-To make our work productive, we will be developing and testing the system from the very beginning. It is a website. I think it will be easier to test and debug the site. Also, we will be consulting our supervisor for the queries that arise.