

# **E-Commerce Website Development for Krushi Sanjivani Seva Kendra**

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## **ABSTRACT**

Being able to respond to customer requests in the most efficient and timely fashion is crucial in the quickly evolving business climate of today. This paper describes the layout of the online retailer "Krushi Sanjivani Seva Kendra's" web portal, "Sheti.com." The two main areas of emphasis are front-end development and back-end development. The client side, often known as the front-end side, gives the user a visible user interface. Working behind the scenes to support a website's functionality is another way to define back-end development. This makes it easier for users to interact with servers using web browsers. It takes investigation and knowledge of numerous technologies to create an e-commerce website. These include relational databases, server-side and client-side scripting, multi-tier architecture, and implementation technologies. This project aims to create a straightforward website where users may download shopping cart applications and discover the technologies that are used to create such applications.

This guide covers all the necessary foundational technologies for building and deploying an e-commerce website.

Keywords- E-Commerce, Web tool, Client

## **1. INTRODUCTION**

E-commerce is garnering acceptance as a legitimate and common business model. A growing number of companies are launching websites that offer tools for performing online transactions. It is not an overstatement to say that doing your shopping online has become routine.

The goal of this project is to create a flexible online store where you may shop for goods without leaving the comfort of your house. However, this paper discusses buying such things online due to implementation concerns[1].

Customers can browse catalogues and choose products of interest at the online store, which is a virtual store on the Internet. The products you've chosen can go in your shopping cart. Your shopping cart's contents will show up as an order when you go through the checkout procedure. We still require more details in order to complete the transaction at this time. Typically, customers are prompted to enter or choose payment details including their credit card number, billing address, and shipping options. Once the order has been accepted, the purchaser will receive a notification[2].

Any business's growth and development depend greatly on its website. This is the fastest and most efficient approach to reach a wide audience. Companies can easily analyse their user personas using this website.

## **2. MOTIVATION**

Users must go to the nearest market to purchase product. This will take some time. Products difficult to find in the area and it not certain if the product is available at the particular store. Users find it difficult to track purchased products. This portal makes it easy for users to track their products. The products are available directly on the portal, so the cost of the products is relatively lower than in local stores. This is what drove us to design & develop a user-friendly system.

### **3. PROPOSED SYSTEM**

The online shopping system is very simple to use, maintain, and is trustworthy in terms of price, scalability, and affordability. The advantages and characteristics of our system are given below.

- 1.ensures security
- 2.Low price
- 3.needs rudimentary computer skills
- 4.Flexible application user interface (UI) design

The system described here does not need any training, prior experience, or IT-related technical abilities. Both levels and natives can be run on this system. However, this approach is ideally suited for use by those who are not computer experts.

#### **Proposed System Analysis**

The planned system operation will be introduced in the order listed below.

1. This solution will replace the manual purchasing process with an online one.
2. On the website, users can register or log in.
3. Products can be added by users to their shopping cart.
4. Online users can purchase goods.
5. The products will be sent to the address provided by the user after the purchase and payment are complete.
6. Give users access to product price lists.
7. Users have access to order history.

### **4. WEB TOOLS AND TECHNIQUES**

Our daily lives are now more convenient as a result of the rapid growth of web tools and technologies. Millions of pieces of data may be effortlessly transported from one location to another with the use of the Internet. One-way technical advancements have not only made life easier, but also generally saved money and time. Traditional methods of purchasing and selling items have been replaced by online enterprises[3]. People may access a wide variety of products around-the-clock, saving them time and effort. For better results, an e-commerce website needs to be appealing and updated frequently with innovative methods. ReactJS is the technology we used for this project.

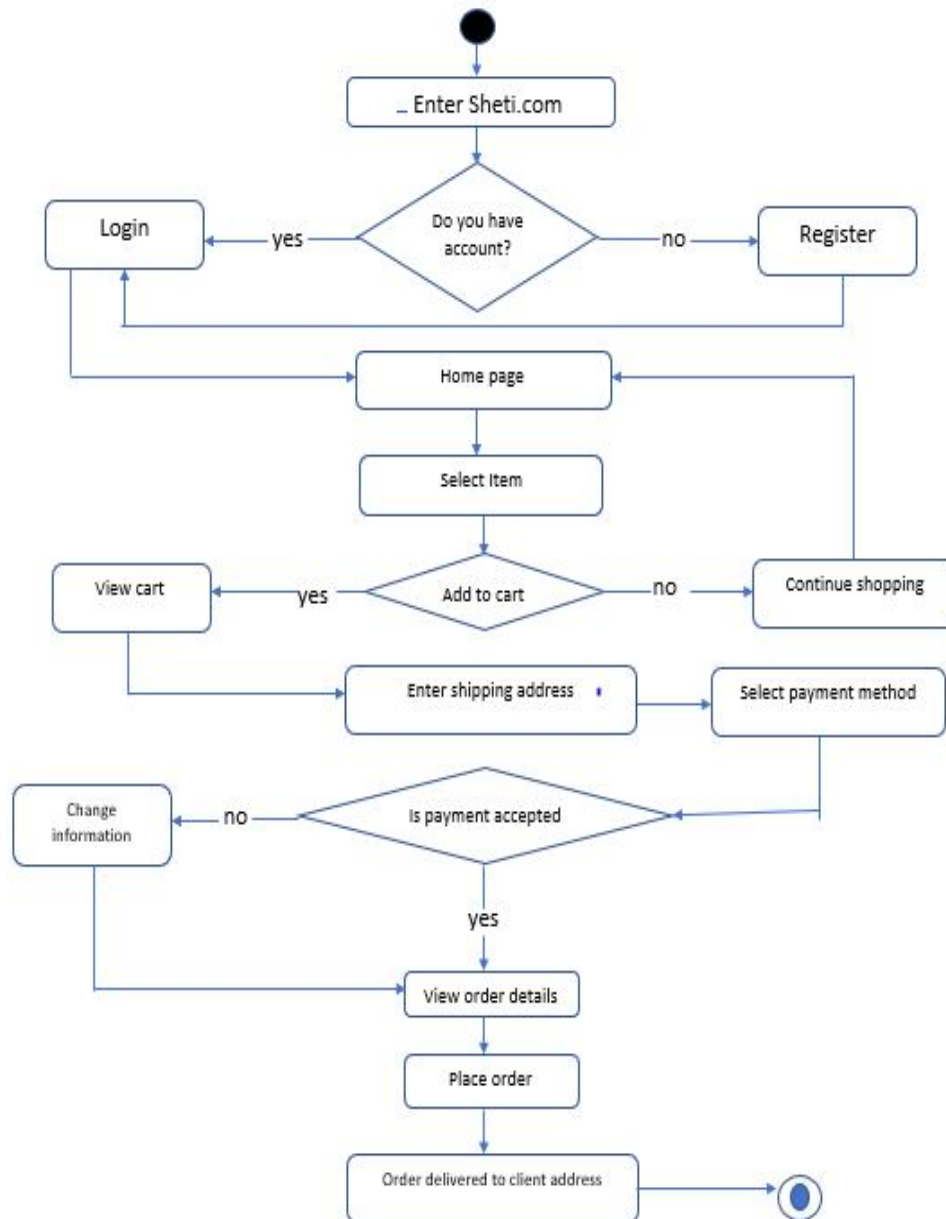
#### **4.1 Frontend and backend Development**

The first thing a user notices when using an application or website is the frontend, which includes form typefaces, colours, sidebars, and drop-down menus. The primary responsibility of the front-end developer is the website's appearance. Client-side development is another name for front-end web development. The front-end web development languages are HTML, CSS, and JavaScript, while the back-end web development languages are PHP, Java, Python, and.NET. Using server-side languages like PHP, Ruby, Python, and Java, back-end development enables communication between servers, databases, and applications.

#### **4.2 React JS**

ReactJS is a free and open-source, declarative, effective, and adaptable front-end JavaScript library for creating UI components for user interfaces. This component-based front-end library is in charge of your application's whole view layer. It was initially created and managed by Facebook and then adopted by services like WhatsApp and Instagram. It is kept up-to-date by Meta and a group of independent programmers and businesses. Using frameworks like Next.js, React may be used as a base for creating single-page, mobile, or server-rendered applications. Building a React application typically necessitates utilising extra libraries for routing and particular client-side functionality because React solely deals with state management and rendering that state into the DOM[4].

### **5. FLOW DIAGRAM**




**6. PROCESS:**

Anyone can use the portal and browse the available products, but in order to make a purchase or place an order, a user needs to log in using their unique username and password. By visiting the registration page, unregistered members can do so. Roles can only be switched by administrators. Developers can only be "administrators" by default. The default role is "User" when a user registers with the website.

**6.1 LOGIN PAGE :**

Users' and administrators' login pages.



**Sign in**

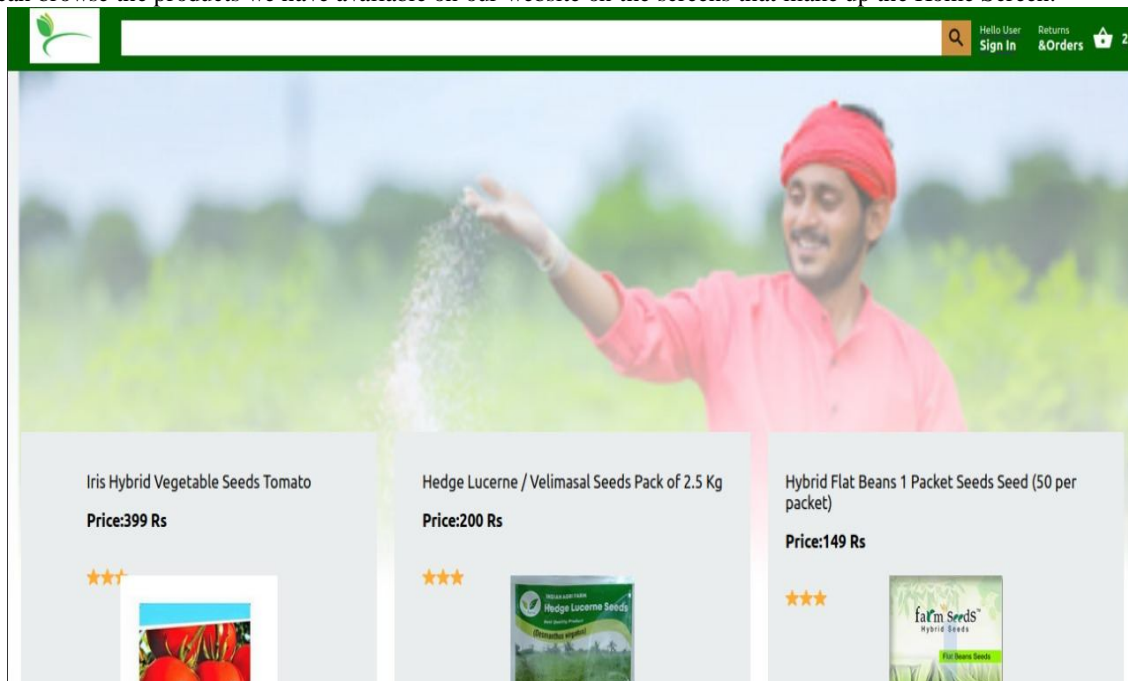
Email

Password

By signing-in you agree to the Sheti Conditions of Use & Sale. Please see our Privacy Notice, our Cookies Notice

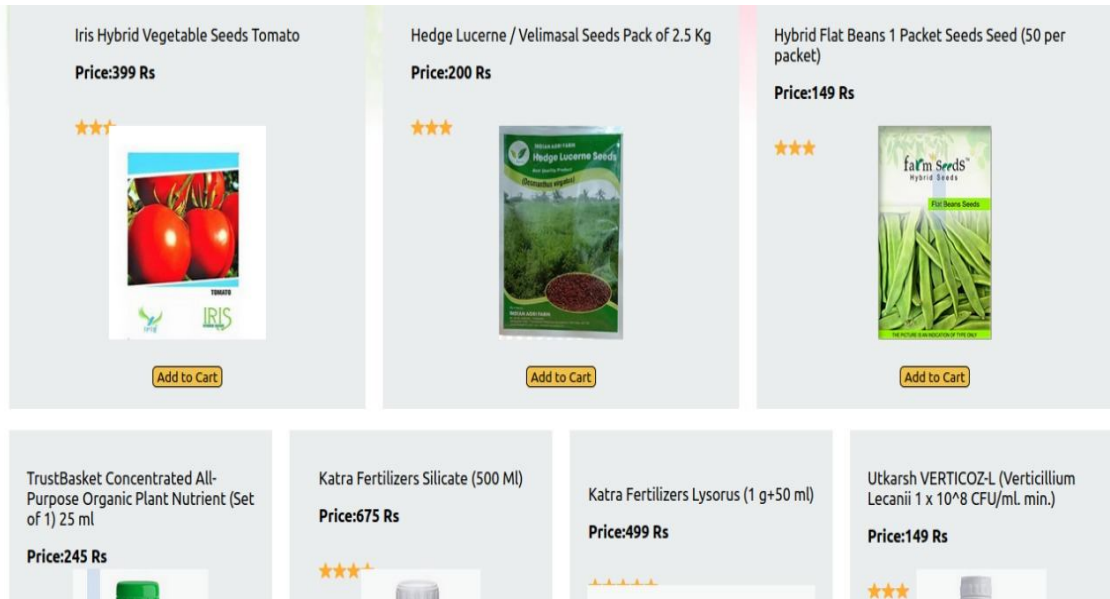
**6.2 HOMEPAGE :**

You can browse the products we have available on our website on the screens that make up the Home Screen.



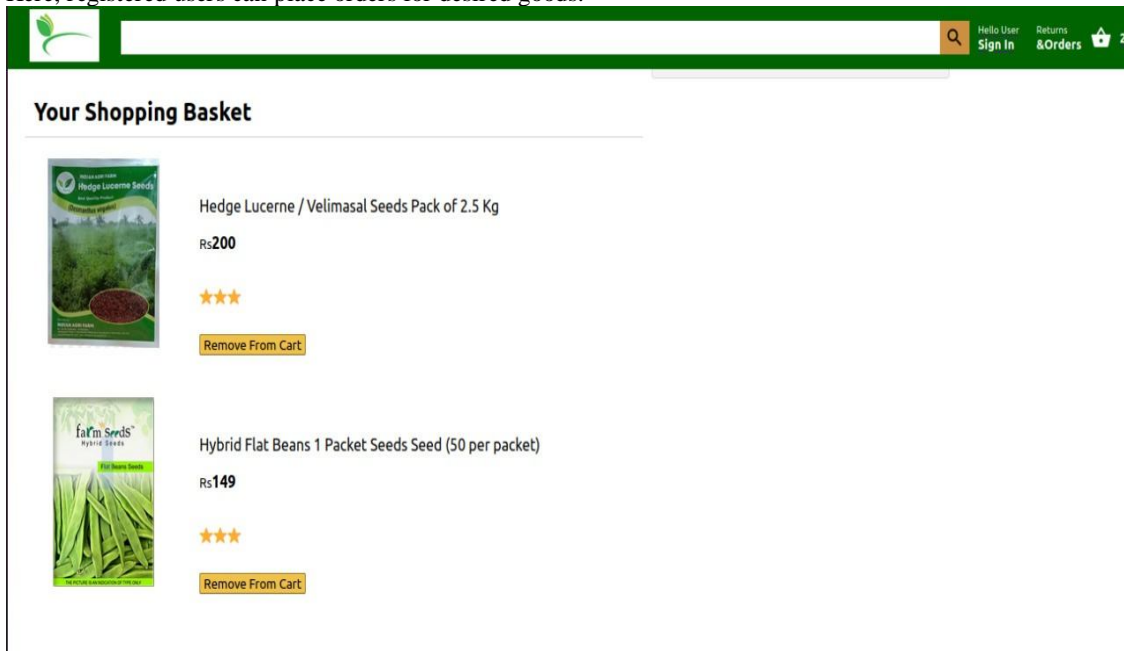
**6.3 PRODUCTS:**

Details about the product are on this page. Both users and visitors to this page see the same version of it.



**6.4 ORDER PAGE:**

Here, registered users can place orders for desired goods.



**6.5 PAYMENT PAGE :**

The products can be purchased here by logged-in users.

**6.6 ORDER HISTORY PAGE:**

On this page, users can view order information and order history.

**Cheakout 2 items**

**Delivery Address** sakshikadam5644@gamil.com  
Samruddhi Socity , Flat no 302  
Kapil Nagar,  
Kondhwa Budruk, Pune, Maharashtra 411048

**Review items and Delivery**



Hedge Lucerne / Velimasal Seeds Pack of 2.5 Kg

Rs200



Remove From Cart



Hybrid Flat Beans 1 Packet Seeds Seed (50 per packet)

**7. CONCLUSION :**

E-commerce has grown in importance as a result of the Internet's importance as a resource in today's commercial environment, both from a business and a customer perspective. E-commerce allows buyers to compare prices and offers new business prospects for businesses.

A survey found that most internet shoppers make snap decisions and typically decide to stay on a website within the first few seconds. "Your website's layout is similar to your store's inside. Customers are more likely to move to another website if your store appears awful or seems like hundreds of other stores. We made every effort in the project's design to make it simple for users to navigate, search for data, and provide the essential comments. This initiative offers users access to an online store where they can purchase agricultural items.

User-friendly shopping cart application logic is necessary for a great shopping cart design. Customers should be given the option to inspect the goods in their shopping carts and add, remove, or edit items as needed. Numerous elements of the shopping cart application presented in this project are geared toward improving customer convenience. You will have a better understanding of interactive website development and the technology involved in its implementation through this assignment. The project's design, which includes the Data Model and Process Model, demonstrates how to create a database with various tables as well as how to access and use the data contained therein.

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