

SOFTWARE REQUIREMENTS SPECIFICATION FOR DESIKART

The purpose of this document is to provide a detailed description of the requirements for DesiKart website. The E-commerce web-application DesiKart aims to develop a grocery ordering system that allows customers to easily browse and order groceries online from a local store. The system will include a user-friendly interface for customers to select their desired items and add it to their wish-list, customize their orders, and keep track of their purchase history. The system will also include a secure payment gateway for completing transactions, as well as a pickup scheduling feature. The grocery store will also have access to a backend management system for tracking and fulfilling orders, inventory management, and monitoring customer activity. The goal is to provide a convenient and efficient solution for grocery shopping that will save time and effort for customers and help the grocery store to streamline their operations.

General Requirements

1.1 Functional Requirements:

1.1.1 Registration: The website should have a registration module that enables customers to create an account.

1.1.2 Login: The website should have a login module that enables customers to login to their account.

1.1.3 Product Catalog: The website should have a product catalog that displays all the available products and their prices.

1.1.4 Product Search: The website should have a search module that enables customers to search for products by name, category, brand, and price.

1.1.5 Shopping Cart: The website should have a shopping cart module that enables customers to add products to their cart and checkout.

1.1.6 Checkout: The website should have a checkout module that enables customers to complete their purchase by providing their shipping and billing information.

1.1.7 Order Confirmation: The website should send an order confirmation email to the customer after completing the order.

1.1.8 Product Management: The website should have a product management module that enables store owners to add, update, and delete products from the catalog.

1.1.9 Inventory Management: The website should have an inventory management module that enables store owners to manage the stock levels of their products.

1.2 Non-Functional Requirements:

1.2.1 Performance: The website should be fast and responsive, with minimal page load times.

1.2.2 Security: The website should be secure and protect customer data from unauthorized access.

1.2.3 User-Friendly Interface: The website should have a user-friendly interface that is easy to navigate and use. The website should have clear and concise product information, descriptions, and images.

1.2.4 Compatibility: The website should be compatible with all major web browsers and operating systems, currently limited to Linux and Windows.

1.2.5 Scalability: The website should be scalable to handle large numbers of customers and transactions.

Design Requirements:

2.1 Visual Design: The website should have an attractive and modern design that reflects the brand identity of the grocery store.

2.2 Navigation: The website should have clear and intuitive navigation that enables customers to find what they are looking for easily.

2.3 Responsive Design: The website should be designed to be responsive and accessible on all devices, limited to desktops and laptops as of now.

2.4 Branding: The website should reflect the branding of the grocery store and be consistent with its offline marketing materials.

Technical Requirements:

3.1 Platform: The website should be developed using a scalable and reliable platform such as ReactJS and NodeJS.

3.2 Database: The website should be backed by a reliable database management system, such as MongoDB.

3.3 Hosting: The website should be hosted on a secure and reliable web hosting service with high uptime and fast loading times.

3.4 Security: The website should be secured using industry-standard security protocols, such as HTTPS, SSL, and firewalls.

3.5 Payment Gateway: The website should be integrated with a secure payment gateway that supports multiple payment methods, such as credit cards, debit cards, and PayPal.

Conclusion:

This software requirements specification document provides a comprehensive list of requirements for our online grocery e-commerce website called DesiKart. These requirements will ensure that the website is easy to use, secure, and reliable. The website should meet these requirements to provide an exceptional user experience to its customers and store owners.