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## **Restaurant Website**

### Software Requirements Specification

8<sup>th</sup> November 2024

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# Revision History

Date	Description	Author	Comments
20 <sup>th</sup> Oct 2024	Got my client	Omkar Bangar	Found a client who required a website for his restaurant.
25 <sup>th</sup> Oct 2024	Discussion of Design	Omkar Bangar, Sneh Saurav, Rohit Kumar	Discussed the design and all the requirements for client's website.
28 <sup>th</sup> Oct 2024	Frontend	Sneh Saurav	Designed The Frontend
31 <sup>th</sup> Oct 2024	Database Design	Rohit Kumar	Made Database Schema And Helped With Backend
6 <sup>th</sup> November 2024	Backend Frontend And Hosting	Omkar Bangar	Implemented Backend And Handled Hosting

# Introduction

In the bustling, flavour-rich world of the 21st century, dining out has transformed into a cherished experience, connecting people to cultures, Flavors, and memories. With the rise of restaurant websites, food lovers now have a gateway to explore diverse cuisines, browse curated menus, and make reservations with ease, enhancing their dining journeys. These online platforms have become essential tools for the restaurant industry, redefining the way diners discover and interact with food destinations.

This website serves as a comprehensive guide, highlighting our restaurant's story, signature dishes, and the culinary inspiration behind every meal. Our goal is to offer diners not only a glimpse of our menu but also a sense of the ambiance and hospitality that defines us. Through our website, we aim to create a seamless connection between you and your next unforgettable dining experience.

As you navigate through our site, we invite you to explore our chef's seasonal creations, learn about our locally sourced ingredients, and get a feel for the welcoming environment we've created. Whether you're planning a special night out or simply looking for a memorable meal, our website is here to make your dining experience exceptional from the very first click. We look forward to welcoming you to a table filled with Flavors, stories, and unforgettable moments.

## Purpose

The purpose of this Software Requirements Specification (SRS) document is to outline the requirements and specifications for the development of an interactive restaurant website, hereinafter referred to as "Neelanchal.com." This document provides a detailed foundation for the design, development, and testing phases of the project, ensuring that the final product meets the client's vision and enhances the dining experience for users.

This SRS document describes the website's functional and non-functional requirements, including menu browsing, reservation booking, order management, and user feedback features. It aims to create a seamless and enjoyable experience for customers who wish to explore the restaurant's offerings, make reservations, order takeout, or stay updated on seasonal specials. By defining these specifications, this document will serve as a roadmap for developers, designers, and testers to ensure that all aspects of the restaurant's digital presence align with its brand values and provide users with an intuitive, engaging experience.

# Scope

"Neelanchal.com" aims to create an inviting and user-friendly online platform for guests to explore our menu, discover seasonal specials, and make reservations with ease. This website will cater to food enthusiasts and casual diners alike, offering a glimpse into our carefully crafted dishes and dining experience. Users will be able to access the site from both desktop and mobile devices, making it convenient and accessible for a diverse audience. From browsing our chef's recommendations to securing a table for special occasions, Neelanchal.com is designed to elevate the dining journey and bring our culinary world closer to our guests.

## Document Overview

This SRS document outlines the essential features, functionalities, and performance criteria that Neelanchal.com must adhere to. It includes detailed descriptions of system requirements, user requirements, and constraints, along with a roadmap for implementation. The document will serve as a reference for the development team, quality assurance, and all stakeholders involved in the project to ensure a clear understanding of the project's objectives.

## Description

Neelanchal.com is a vibrant online platform designed to bring the spirit of our restaurant to the digital space. With a focus on accessibility and visual appeal, the website offers an immersive experience for guests, featuring our curated menu, seasonal specials, and the unique ambiance of Neelanchal. Tailored for user-friendliness and responsiveness, Neelanchal.com provides a seamless experience on both desktop and mobile, making it easy for guests to explore our offerings, make reservations, and stay connected with our culinary journey.

## Product Features

Neelanchal.com is designed to enhance the dining experience by providing essential features for easy access and seamless interaction. Key features include:

- **User Registration and Profiles:** Users can create accounts to save their preferences, manage reservations, and view past visits and feedback.
- **Menu Catalogue:** A comprehensive, organized menu showcasing appetizers, main courses, desserts, and beverages, with detailed descriptions and visuals to guide diners in their selection.
- **Search and Filters:** Advanced search and filtering options to help users quickly find specific dishes or dietary options.
- **Reservation System:** An integrated booking system that allows users to select their preferred date, time, and table, making reservations straightforward and accessible.
- **Order Management:** For takeout and delivery options, users can add items to their order, customize them as needed, and proceed to checkout seamlessly.
- **About Section:** A dedicated area providing details about Neelanchal's story, values, and culinary philosophy, allowing customers to learn more about the restaurant's unique offerings.
- **Responsive Design:** Optimized for both desktop and mobile devices, ensuring a consistent and enjoyable browsing experience for users on all platforms.

## User Roles

Neelanchal.com defines various user roles to enhance functionality and provide personalized experiences:

- **Guest Users:** Visitors who browse the website without creating an account. They can view the menu, learn about the restaurant, and explore offerings.
- **Registered Users:** Users with accounts who can save preferences, make reservations, and manage past orders for delivery or takeout.

## Assumptions

The successful development and deployment of Neelanchal.com assume that all necessary infrastructure, hardware, and software components will be available or procured. It is also assumed that the development team will adhere to best practices in web security, user experience, and performance to deliver a high-quality digital experience for all users.

# Specific Requirements

## Functional Requirements

### User Registration and Authentication

1. User Registration: The system shall allow users to create accounts using a valid email address and password
2. User Authentication: Registered users shall be able to securely log in with their email and password.
3. Password Reset: Users shall have the option to reset their password via email verification.

### Menu and Dining Information

4. Menu Listings: The system shall display the restaurant's menu items in a categorized and organized manner, including appetizers, main courses, desserts, and beverages.
5. Menu Details: Users shall be able to view detailed information about each menu item, including images, descriptions, ingredients, and prices.
6. Search and Filters: The website shall provide search functionality, allowing users to find menu items by keywords, categories, or dietary filters.

### Reservation Management

7. Table Reservations: Users shall be able to select their desired date, time, and party size to make a table reservation.
8. Reservation Confirmation: Upon successful booking, users shall receive an email confirmation with reservation details.
9. Reservation History: Registered users shall be able to view past reservations within their account profile.

### Order Management

10. Order for Takeout/Delivery: Users shall be able to place orders for takeout or delivery, selecting items and adding them to their order list.
11. Order Editing: Users shall be able to update or remove items in their order before proceeding to checkout.
12. Checkout and Payment: Users shall be able to proceed through a secure checkout process, select pickup or delivery options, and make secure payments.

### User Profile and Reviews

13. Profile Editing: Registered users shall be able to edit and update their profile information.
14. Order History: Users shall have access to their order history, showing previous takeout or delivery purchases.
15. Review Submission: Registered users shall be able to submit ratings and reviews for menu items and dining experiences.
16. Review Display: Ratings and reviews shall be displayed alongside the respective menu items to assist other customers.

## **Administrative Management**

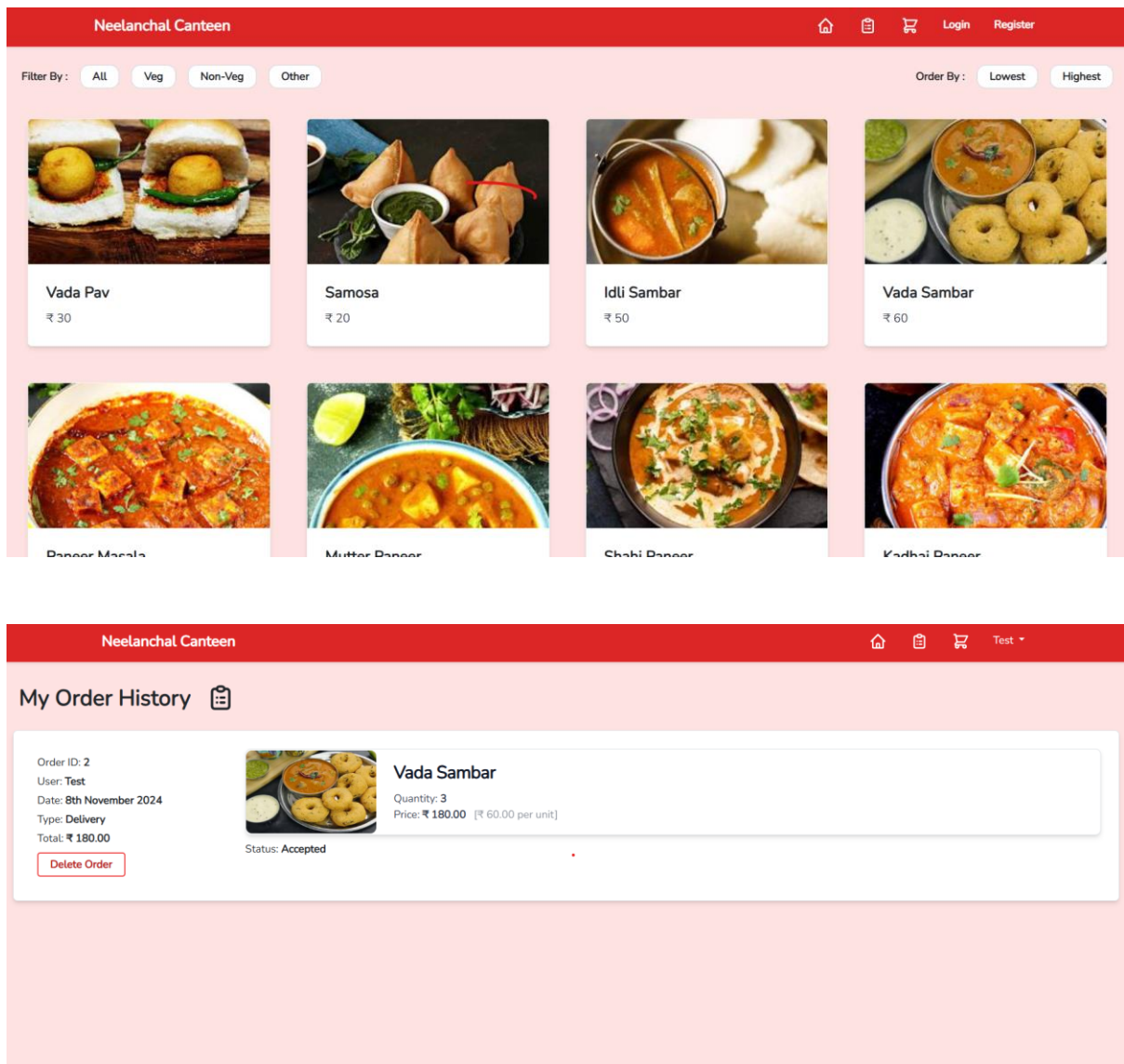
17. Menu Management: Administrators shall be able to add, edit, and remove menu items from the system.
18. Reservation Management: Administrators shall be able to manage reservations, adjust availability, and handle special requests.
19. User Management: Administrators shall be able to manage user accounts, including suspending or banning accounts if necessary.

## **Non-Functional Requirements**

1. Response Time: The system shall respond to user actions (e.g., menu search, page load) within 2 seconds.
2. Scalability: The system shall be scalable to handle a growing number of users and orders without a decrease in performance.
3. Data Security: User data, including personal and payment information, shall be securely stored and transmitted.
4. Authentication Security: User authentication shall follow best practices to prevent unauthorized access.
5. User-Friendly Interface: The website shall have an intuitive and visually appealing interface for easy navigation.
6. Cross-Browser Compatibility: The website shall be compatible with major web browsers, including Chrome, Firefox, Safari, and Edge.
7. Mobile Responsiveness: The website shall be fully functional and visually appealing on mobile devices.
8. Privacy Compliance: The system shall comply with relevant data privacy regulations, such as GDPR or CCPA, and include a clear privacy policy.
9. Payment Security: The system shall comply with Payment Card Industry Data Security Standard (PCI DSS) requirements for secure payment processing.



# Output



# Links

[https://github.com/XDanny07/Neelanchal\\_Canteen](https://github.com/XDanny07/Neelanchal_Canteen)