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**Software Requirements Specification  
For  
Restaurant Website  
RestrO**

Submitted by

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# 1. Introduction

The Software Requirements Specification (SRS) document presented here lays out what we need for building a restaurant website that is easy to use and can adapt as needed. It is designed for software experts, such as engineers, designers, managers, and stakeholders involved in the project. The aim of this document is to offer a comprehensive overview of the software product to be created.

## 1.1 Purpose

The primary purpose of this SRS is to detail what the restaurant website needs to do and how it should work, both in terms of its features and other aspects like performance. It serves as a guide for designing, building, and putting the website into action. The aim is to make sure everyone involved knows exactly what the project aims to achieve, what it can do, and any limitations it might have. This way, the development team can create a strong and effective software solution that fits the needs of both the restaurant and its customers.

## 1.2 Scope

The scope of this software product involves creating RestrO, a restaurant website created to offer a smooth and user-friendly experience for both customers and restaurant staff. Known as "RestrO - Restaurant Website," this platform will include important features like showing the menu online, tracking orders, handling user accounts, and gathering feedback. RestrO's purpose is to make it easier for customers, streamline restaurant operations, and make customers happier and more engaged.

## 1.3 References

1. **Coursera - Web App Development with React JS:** <https://www.coursera.org/programs/int252-web-app-development-with-react-js-batch-2-9dcyr/learn/advanced-react>
2. **React:** <https://react.dev/>
3. **Bootstrap:** <https://getbootstrap.com/>
4. **Bootstrap Icons:** <https://icons.getbootstrap.com/>

## 1.4 Overview

The SRS for the RestrO - Restaurant Website acts as a compass for understanding the document's layout and content. It provides a summary of what the SRS contains and how it is organized. This section highlights the key parts of the document and explains their roles, making it simpler for stakeholders to find the information they need.

## **2. General Description**

### **2.1 Product Perspective**

The restaurant website functions as an independent application, operating on its own. It communicates solely through web browsers. It is built using React JS, a popular JavaScript library for building user interfaces.

### **2.2 Product Functions**

1. Display the restaurant's menu.
2. Enable users to order the food from the restaurant.
3. Allow users to contact with the help of contact us form.
4. Allow users to create their accounts.
5. Present information about the restaurant.

### **2.3 User Characteristics**

Customers: These are individuals who visit the website to view the menu and place orders.

### **2.4 General Constraints**

The website must adhere to responsive web design principles to ensure smooth user experience across various screen sizes. Development should utilize web technologies such as HTML, CSS, JavaScript, ReactJS, and Bootstrap, and the website should be hosted on a web server.

### **2.5 Assumptions and Dependencies**

- **Technical Proficiency:** We assume that the development and testing teams possess the necessary technical skills in web development, including knowledge of HTML, CSS, JavaScript, ReactJS, and related frameworks.
- **Third-party Services:** The website relies on external services for payment processing, and its functioning may be subject to the terms and conditions of these service providers.
- **Device Compatibility:** Users are expected to use devices (such as computers, smartphones, or tablets) that support modern web browsers for optimal performance.

### **3. Specific Requirements**

#### **3.1.1 User Interfaces**

The user interfaces of the restaurant website are designed to be intuitive and user-friendly, catering to customers. For customers, the interface includes:

1. Home Page
2. Menu Page
3. About Page
4. Contact Page
5. Header with navigation

#### **3.1.2 Hardware Interfaces**

The restaurant website does not have direct hardware interfaces as it operates entirely within web browsers. However, it is designed to be compatible with various devices commonly used by customers, such as computers, smartphones, and tablets, ensuring a seamless experience across different hardware platforms.

#### **3.1.3 Software Interfaces**

The restaurant website relies on the following software interfaces to function effectively:

React JS: The front-end of the website is developed using React JS, a JavaScript library for building user interfaces. React JS enables the creation of interactive and dynamic user interfaces.

### **3.2 Functional Requirements**

#### **Home Page:**

1. Display featured dishes with images and descriptions.
2. Allow users to click on a "Order Now" button to view the menu.
3. Contains About Us, Contact Us details.
4. Also displays reviews of customers.

#### **Menu Page:**

1. Display the restaurant's menu with items, prices, and descriptions.
2. Allow users to proceed to the order page.

#### **About Page:**

1. Display information about the restaurant.
2. Highlight reasons for choosing the restaurant.

**Contact Page:**

1. Displays a contact form with input fields for customer details and message.
2. Consists of a submit button to submit the query or message.

**Login/Signup Page****1.1 Introduction:**

The login/sign up page allows users to authenticate their identity to access personalized features and services.

**1.2 Inputs:**

For login: User-provided credentials (username/email and password).

For sign up: User-provided information (name, email, password, etc.).

**1.3 Processing:**

Authentication: Verify user-provided credentials against stored data in the database.

User Registration: Validate and store user-provided information in the database for new registrations.

**1.4 Outputs:**

For login: Successful authentication grants access to user-specific content and features.

For sign up: Successful registration creates a new user account, allowing access to personalized services.

**1.5 Error Handling:**

Invalid Credentials: Notify users if provided login credentials are incorrect.

Existing Account: Inform users if the email provided during sign up is already associated with an existing account.

**3.5 Non-Functional Requirements****3.5.1 Performance**

The restaurant website needs to work fast and smoothly. It should load quickly, respond to user actions right away, even when lots of people are using it. It also needs to handle more users without slowing down.

**3.5.2 Reliability**

Users should be able to trust the website to work well all the time. It should handle errors gracefully and keep user data safe and accurate.

### 3.5.3 Availability

The website should be available whenever users want to use it. It should be up and running almost all the time, except for planned maintenance times. It should also be able to handle problems without shutting down completely.

### 3.5.4 Security

Keeping user data safe is a top priority. The website needs to encrypt data to keep it private, use secure ways to log in, and protect against common online threats like hacking.

### 3.5.5 Maintainability

It should be easy to update and fix the website without causing problems. The code should be clean and well-organized, so developers can understand and change it easily.

### 3.5.6 Portability

The website should work well on different devices and browsers. It should look good and be easy to use whether you're using a computer, a tablet, or a smartphone, and no matter which browser you prefer.

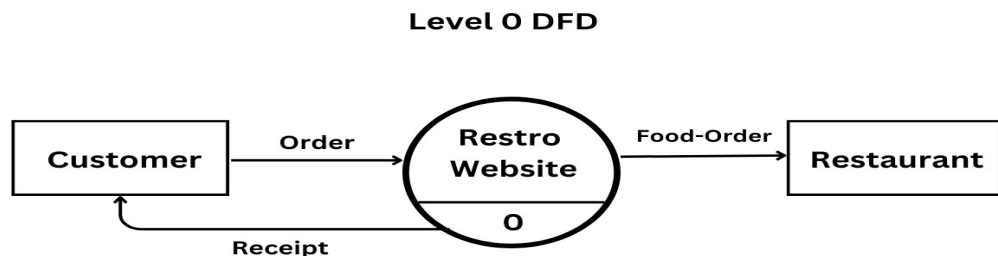
## 3.7 Design Constraints

Design constraints are factors that limit the design options or influence the design decisions of the restaurant website. These constraints may arise due to various reasons, including technological limitations, regulatory requirements, or organizational policies.

Technology Stack: The restaurant website must be developed using specific technologies, such as React JS for the front-end, as per project requirements and existing infrastructure.

## 4. Analysis Models

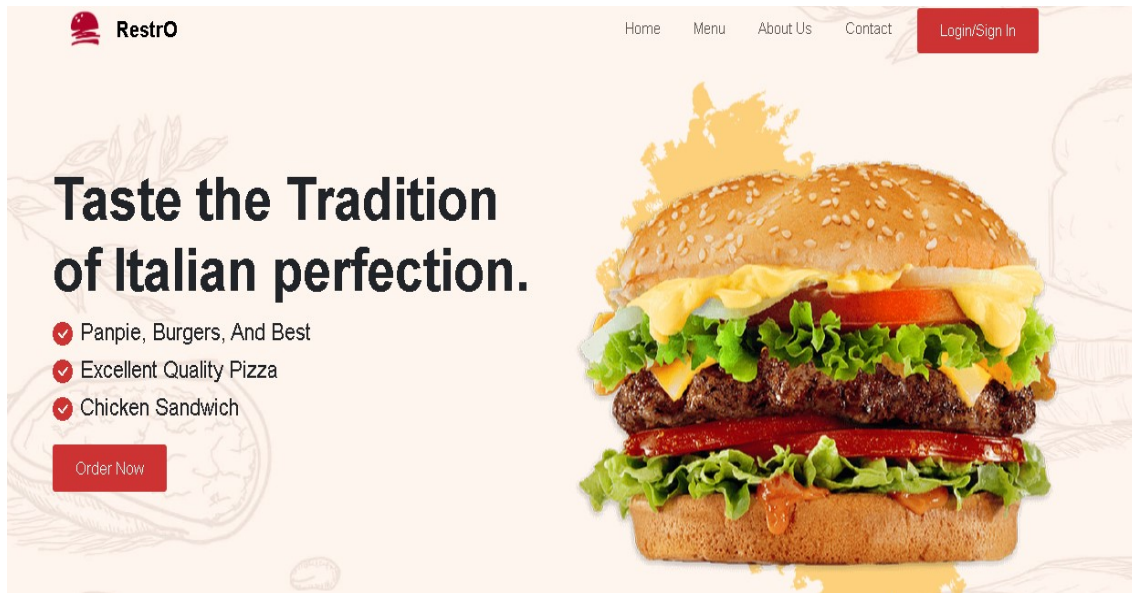
### 4.1 Data Flow Diagrams (DFD)



## 5. Github link

<https://github.com/Sukhjot44/React-Project>

## 6. Screenshots



### About Us

#### Why We Are The Best

At RestroO dining is more than just a meal; it's an experience. RestroO is passionate about good food, great atmosphere, and creating memorable moments. Our journey began with a simple dream: to bring people together through the joy of delicious cuisine.

It all started with a family recipe, passed down through generations. With a vision to share our love for food, we set out on a culinary adventure. Our chefs meticulously craft each dish, using the finest ingredients, creativity, and a dash of love.

- ✓ Delicious & Healthy Food
- ✓ Specific Family And Kids Zone
- ✓ Music & Other Facilities
- ✓ Fastest Food Home Delivery


[Order Now](#)

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Go to Settings to activate Windows.



Special Menu


Our Specials Menu



Margherita Pizza

\$11.2


A classic Margherita pizza topped with ripe tomatoes and fresh mozzarella.



Spaghetti Bolognese

\$11.99


A mouthwatering plate of spaghetti served with rich Bolognese sauce.



Sushi Platter

\$17.99


An assortment of delicious sushi rolls, perfect for sushi enthusiasts.



Chicken Alfredo

\$13.99


Tender chicken in a creamy Alfredo sauce, seasoned with garlic and Parmesan cheese.



Cheese Platter

\$15.99


A delightful cheese platter featuring a variety of fine cheeses.



Veggie Wrap

\$6.99


A wholesome veggie wrap filled with fresh vegetables and your choice of dressing.



Greek Salad

\$7.99

A classic Greek salad with fresh cucumbers, tomatoes, olives, and feta cheese.



Chocolate Brownie

\$4.99

Indulge in a decadent chocolate brownie, a sweet treat for your taste buds.

Order Now

Activate Windows  
Go to Settings to activate

Welcome to Restro

Login

Login

Don't have an account? Sign up here

**Github link:** <https://github.com/Sukhjot44/React-Project>