

# **Prism AI Browser**

## **Software Requirement Specification**

**Version 1.1**

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## Document Control Data Sheet

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<b>Distribution List</b>	All users who love exploring and sharing recipes. Signed-in users can submit, comment, and like recipes, while chefs review and approve submissions.	

Table 2: Prepared, Reviewed, and Approved By

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Table 3: Version History

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# **Chapter 1**

## **Introduction**

### **1.1 Purpose**

The culinary landscape has undergone a notable change with the emergence of digital platforms. However, there remains a deficiency in options that cater to various dietary preferences and ingredient-specific inquiries. Introducing ShareTaste, an amazing online platform for sharing and discovering recipes aimed at empowering culinary lovers, chefs, and those focused on healthy eating.

ShareTaste offers users an effortless way to browse recipes contributed by home cooks and professional chefs, featuring advanced tools that allow them to filter recipes based on dietary needs and omitted ingredients. Furthermore, it includes a distinctive function that lets users submit their recipes, which can be presented to a worldwide audience following verification by expert chefs.

This Software Requirements Specification document acts as a comprehensive guide detailing the system's goals, functionalities, and operational guidelines. It serves as an extensive resource for developers, administrators, and stakeholders, elucidating the vision and requirements for ShareTaste while ensuring it meets user needs and is technically achievable.

### **1.2 Intended Audience**

This document is intended for a wide range of stakeholders, including:

**Culinary Enthusiasts:** Individuals passionate about cooking who seek inspiration, knowledge, and new culinary ideas.

**Health-Conscious Users:** Users with specific dietary preferences or restrictions looking for tailored recipes.

**Professional Chefs:** Chefs contributing verified recipes and overseeing content quality.

**Platform Developers:** Engineers and designers tasked with building and maintaining the system.

**System Administrators:** Personnel ensuring smooth operation, managing content, and maintaining user satisfaction.

## 1.3 Scope of the Project

The existing methods of finding and sharing recipes often lack personalization, verification, and community engagement. Traditional systems are fragmented, making it challenging for users to discover recipes that cater to their unique dietary needs or to share their culinary creations with a trusted audience.

### 1.3.1 Current Challenges

- Limited personalization in recipe discovery.
- No standardized process for recipe verification.
- Inability to exclude specific ingredients easily during searches.
- Restricted avenues for home cooks to reach wider audiences with their creations.

### 1.3.2 Proposed Solution

ShareTaste addresses these challenges by offering an intelligent, user-centric platform that facilitates:

- Advanced Search Capabilities: Users can search recipes based on dietary restrictions (e.g., vegan, keto, gluten-free) or exclude specific ingredients.
- Community-Driven Content: A platform where individuals can share their unique recipes, fostering collaboration and innovation.
- Recipe Verification: A robust process where user-submitted recipes are reviewed by professional chefs for quality and accuracy.
- Engagement and Interaction: Opportunities for users to interact with content through reviews, ratings, and feedback.
- Scalability: A design that ensures consistent performance, even as user engagement grows.

### 1.3.3 Key Advantages

- Enhanced User Experience: A clean, intuitive interface that prioritizes user convenience and satisfaction.
- Tailored Search Results: Advanced filters and search options to match diverse dietary needs and preferences.
- Trusted Recipes: Chef-verified recipes provide users with reliable and high-quality content.
- Empowerment: A platform that celebrates and elevates user-generated content by connecting it with a broader audience.
- Time Efficiency: Fast and accurate results through an optimized and responsive system.
- Global Reach: Breaking geographical barriers, ShareTaste connects food enthusiasts from around the world.

## 1.4 Glossary

Term	Definition
ShareTaste - The Online CookBook	ShareTaste is an Online Recipe Sharing and Finding platform that allows users to explore recipes, filter by dietary restrictions or excluded ingredients, and share their own recipes, which are verified by professional chefs.
Administrator	The administrator oversees the overall management and maintenance of the ShareTaste platform, including user management, content moderation, and ensuring system performance.
Consumer	Individuals who use ShareTaste to find recipes, explore culinary ideas, and share their own recipes.
User	A user of ShareTaste can be a Consumer, Administrator, or Professional Chef.
Database	The centralized repository storing all user information, recipes, dietary preferences, ingredient exclusions, and verification statuses, ensuring seamless operation of the platform.
Software Requirements Specification	A document that thoroughly describes all functional and non-functional requirements of the ShareTaste platform, detailing its features, interfaces, and constraints under which it operates. For example, this document itself.

Table 1.1: Glossary

## 1.5 References

- A. Nadamoto, S. Hanai and H. Nanba, "Clustering for Similar Recipes in User-Generated Recipe Sites Based on Main Ingredients and Main Seasoning," 2016 19th International Conference on Network-Based Information Systems (NBiS), Ostrava, Czech Republic, 2016, pp. 336-341, doi: 10.1109/NBiS.2016.49.
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- Y. W. Syaifudin, T. Fatmawati, N. A. Ardyningrum, I. Siradjuddin, D. Puspitasari and M. Astiningrum, "An Implementation of Recipe Recommendation System Based on Ingredients Availability Using Content-based and Collaborative Filtering," 2023 International Conference on Converging Technology in Electrical and Information Engineering (ICCTEIE), Bandar Lampung, Indonesia, 2023, pp. 96-101, doi: 10.1109/ICCTEIE60099.2023.10366631.

## 1.6 Overview of Document

The Overall Description section of this document provides an overview of the functionality of the ShareTaste - Online CookBook. It describes the informal requirements and establishes the context for the technical requirements specifications outlined in subsequent sections.

# Chapter 2

## Overall Description

### 2.1 System Environment

The ShareTaste platform involves three main user roles: Administrator, Users, and Professional Chefs. The Administrator manages and oversees the platform's operations, while Users explore recipes, share their own, and interact with content. Professional Chefs review user-submitted recipes for quality and ensure they meet the platform's standards.

Access to ShareTaste is gated by a login system, which requires users to register by providing a username and password. These credentials are securely stored in a centralized database. Once logged in, users can access various features, such as searching for recipes, filtering by dietary restrictions or excluded ingredients, and submitting new recipes for verification.

The backend system leverages a robust NoSQL database to efficiently manage dynamic and unstructured data, including user profiles, recipes, dietary preferences, and search filters. The front-end is implemented using modern web development frameworks to ensure a responsive and user-friendly interface.

#### 2.1.1 User Login Sequence

- User Authentication: Secure login and registration.
- Recipe Management: Submission, verification, and publication of recipes.
- Advanced Search: Filtering recipes by dietary restrictions, excluded ingredients, and cuisine types.
- Approval Workflow: Professional Chefs verify user-submitted recipes for quality and accuracy.

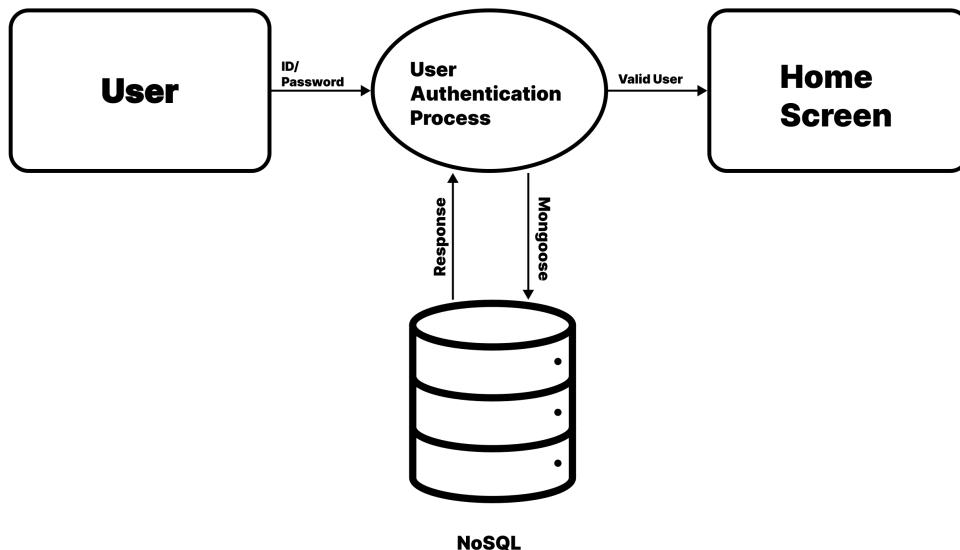


Figure 2.1: System Environment

## 2.2 Product Perspective

ShareTaste bridges the gap between culinary enthusiasts and diverse recipe sources, providing a unified platform to share, discover, and personalize culinary content. Users can search for recipes based on dietary preferences (e.g., vegan, gluten-free) or exclude specific ingredients (e.g., nuts, dairy).

The system allows:

- Users can explore and share recipes, rate and review content, and tailor searches to their preferences.
- Professional Chefs to verify recipes submitted by users, ensuring quality and accuracy. Upload their own creative recipes.
- Administrator to manage user accounts, oversee recipe submissions, and ensure smooth platform operation.

## 2.3 Product Functions

This section explains the product function such as login, user, recipe, chef management, as well as provide accurate representation about each.

### 2.3.1 Login

The platform requires users to log in with valid credentials. Users gain access to recipe discovery and sharing features, while Administrators and Professional Chefs can manage content and ensure platform quality.

### 2.3.2 User Management

This module handles user-related functionalities such as registration, updating profiles, and managing access levels.

#### 2.3.2.1 New User Registration

Users can register with their personal details, creating an account to access platform features.

#### 2.3.2.2 Update User Details

Users can modify their profile details, such as dietary preferences or excluded ingredients, enhancing the personalization of search results.

#### 2.3.2.3 Deletion of User

Administrators can deactivate or delete user accounts if necessary, ensuring the platform remains safe and compliant with guidelines.

#### 2.3.2.4 Query User

Administrators can retrieve specific user details for operational or support purposes.

### 2.3.3 Recipe Management

The core module for managing recipe-related functionalities.

#### 2.3.3.1 Add New Recipe

Users can submit their recipes, which are sent for approval to Professional Chefs before publication.

#### 2.3.3.2 Update Recipe Details

Users or Chefs can update recipes with additional information or corrections.

#### 2.3.3.3 Search Recipes

Users can search for recipes using advanced filters like dietary restrictions, excluded ingredients, and cuisine type.

### 2.3.4 Chef Verification

Professional Chefs verify submitted recipes, ensuring quality, authenticity, and alignment with dietary labels before publication.

## 2.4 User Characteristics

This section explains user characteristics for users, administrator, Professional chef as well as provide accurate representation about each.

### 2.4.1 Users

General users who explore, share, and interact with recipes. They can customize their preferences for a more tailored experience.

### 2.4.2 Administrator

The Administrator manages user accounts, monitors recipe submissions, and ensures the system's smooth operation.

### 2.4.3 Professional Chefs

Chefs review user-submitted recipes for quality and relevance. They also play a key role in maintaining platform credibility.

## 2.5 Development Environment

The development environment for ShareTaste includes the following tools and technologies:

- **Programming Languages:**
  - JavaScript for both backend and frontend development.
- **Frameworks and Tools:**
  - Node.js and Express.js: For building the backend APIs and server-side logic.
  - React.js, TailWind CSS and Context API: For creating a responsive and dynamic user interface.
- **Database:**
  - NoSQL: For scalable and flexible data storage, ideal for managing recipe data, user preferences, and real-time search functionality.

## 2.6 Constraints

- Regulatory Policies: Compliance with privacy regulations such as GDPR.
- Hardware Limitations: NA
- Interfaces to Other Applications: Payment gateway integration for premium features, if any.
- Parallel Operations: NA
- Audit Functions: Periodic system audits to ensure data integrity and security.
- Control Functions: Ensuring appropriate access levels based on user roles.
- Safety and Security Considerations: Password encryption, secure authentication, and server-side backups for data protection.
- Reliability Requirements: The system should maintain uptime of at least 99.9%, except during scheduled maintenance.
- Criticality of the Application: ShareTaste must be available year-round, given its role as a global culinary resource.

## 2.7 Assumptions and Dependencies

- ShareTaste relies on users having internet access and modern web browsers.
- Recipe submissions depend on user engagement and the availability of chefs for timely verification.

# **Chapter 3**

## **Requirements Specification**

### **3.1 External Interface Requirements**

This section focuses on the external interface requirements such as User, Hardware, Software, Communication interface, as well as provide accurate representation about each.

#### **3.1.1 User Interfaces**

The system will be accessible through web browsers, ensuring compatibility with major modern browsers. It will support a responsive design, making it accessible on mobile devices through a browser without requiring a standalone mobile application.

There will be three distinct user interfaces tailored to the roles within ShareTaste:

- Consumers – Users who explore, customize, and interact with recipes.
- Professional Chefs – Verified chefs who contribute and validate recipes for authenticity.
- Administrators – Users with special privileges to manage accounts, content, and system operations.

Users will first register with ShareTaste. After authentication using a username and password, they will be able to access their respective dashboards. Consumers can browse, save, rate, and review recipes, while Professional Chefs will have additional options to submit and verify recipes. Administrators will oversee content moderation and user management.

#### **3.1.2 Hardware Interfaces**

There are no specific hardware interface requirements for ShareTaste. It is designed to function on any device that supports a web browser.

#### **3.1.3 Software Interfaces**

ShareTaste does not require integration with external software applications. The platform is fully web-based and optimized for modern browsers, ensuring seamless user interaction.

### 3.1.4 Communication Interfaces

There are no external communication interface requirements. ShareTaste operates over the internet, and all communications occur through secure web protocols.

## 3.2 Functional Requirements

This section focuses on the functional requirements such as login, user, recipe management, as well as provide accurate representation about each.

### 3.2.1 Login Management

All the detail about login management will be provided below:

#### 3.2.1.1 Login Information

The system shall maintain, at a minimum, the following login credentials:

Property	Mandatory	Explanation
Username	Yes	Required for user authentication
Password	Yes	Used for secure login

Table 3.1: User Authentication Properties

#### 3.2.1.2 Administrator Login Operations

Administrators can log into the ShareTaste system using their credentials to oversee user management, content moderation, and system settings.

#### 3.2.1.3 User Login Operations

Consumers and Professional Chefs can log into ShareTaste using their credentials to access their personalized dashboards. Consumers can explore and manage their saved recipes, while Professional Chefs can upload and verify recipes.

### 3.2.2 User Management

All the detail about user management will be provided below:

#### 3.2.2.1 Consumer Information

The system shall store the following details for consumers:

Property	Mandatory	Explanation
Name	Yes	Consumer's full name
Email	Yes	Contact email address
Phone	Yes	Contact Phone Number
Address	No	Optional for personalized recommendations
Allergies	No	Optional for personalized recommendations
Preferences	No	User-defined dietary preferences
Saved Recipes	No	List of bookmarked recipes

Table 3.2: User Profile Properties

### 3.2.2.2 Professional Chef Information

The system shall store the following details for Professional Chefs:

Property	Mandatory	Explanation
Chef ID	Yes	Unique identifier for chefs
Name	Yes	Chef's full name
Email	Yes	Contact email address
Phone	Yes	Contact Phone Number
Address	No	Optional for personalized recommendations
Specialization	No	Chef's expertise (e.g., Italian, Vegan)
Verified Recipes	Yes	List of verified recipes

Table 3.3: Chef Profile Properties

### 3.2.2.3 New User Registration

New users can register on ShareTaste by providing their personal details and creating a username and password. Professional Chefs must undergo a verification process before gaining recipe approval privileges.

### 3.2.2.4 Update User Information

Users can update their profiles, including preferences, contact details, and saved recipes.

### 3.2.2.5 Delete User Account

Administrators have the ability to remove users if necessary.

### **3.2.2.6 Query User Information**

Administrators can search and review user profiles for moderation or verification purposes.

## **3.2.3 Recipe Management**

All the detail about recipe management will be provided below:

### **3.2.3.1 Recipe Submission**

Professional Chefs can submit new recipes, including details such as ingredients, preparation steps, estimated cooking time, and nutritional information.

### **3.2.3.2 Recipe Approval**

Submitted recipes undergo a verification process by Professional Chefs to ensure authenticity before being published.

### **3.2.3.3 Recipe Search and Discovery**

Users can search for recipes using filters such as ingredients, cuisine, preparation time, and dietary preferences.

### **3.2.3.4 Recipe Reviews and Ratings**

Consumers can rate and review recipes, helping others find the best culinary options.

### **3.2.3.5 Saved and Personalized Recommendations**

Users can bookmark favorite recipes and receive personalized recommendations based on their preferences and browsing history.

# Chapter 4

## System Features

This section details the system features and functionalities identified as key use cases for different users (or actors) interacting with the platform. The following sections group and specify the relevant use cases.

### 4.1 Software Requirements Collected from Actors

R.No	Requirements	Requirement Type	Priority
R1	The system must allow users to post recipes and share them on the platform.	STRQ1	High
R2	The system must allow users to search for and discover recipes.	STRQ2	High
R3	Users can view recipe details, ingredient lists, and instructions.	STRQ3	High
R4	Users must register with their personal details to access full features.	STRQ4	High
R5	System access is limited to Consumers, Professional Chefs, and Administrators.	FEAT1	High
R6	Users can update their profile information and dietary preferences.	STRQ5	High
R7	Users may view their previously saved recipes and contributions.	STRQ6	High
R8	The administrator can manage users, approve recipes, and oversee content moderation.	STRQ7	High
R9	The system shall provide authentication to prevent unauthorized access.	STRQ8	High

R.No	Requirements	Requirement Type	Priority
R10	The platform must be a website-based application with mobile browser compatibility.	FEAT2	High
R11	The system should be developed using a NoSQL database for scalability and modern web frameworks for the frontend.	FEAT3	High
R12	The system should be accessible via the internet for global users.	FEAT4	High
R13	CAPTCHA should be used to reduce automated logins and spam content submissions.	FEAT5	Medium

Table 4.1: Software Requirements

## 4.2 List of Actors

Actor No	Actor	Description
A1	Users	Users can explore recipes, save favorites, and personalize their experience based on dietary preferences.
A2	Professional Chefs	Verified chefs can upload recipes, provide expert validation, and contribute to premium content.
A3	Administrator	The administrator can manage user accounts, approve recipe submissions, and oversee content moderation.

Table 4.2: Actors

### 4.3 List of Use Cases

Use Case No	Use Case Description	Actors
UC1	User registration & Authentication.	Users, Professional Chefs, Admin.
UC2	Manage user profiles.	Admin, Users, Professional Chefs.
UC3	Search & explore recipes.	Users.
UC4	Submit & manage recipes.	Users, Professional Chefs.
UC5	Recipe verification & approval.	Admin, Professional Chefs.
UC6	Rate & review recipes.	Users.
UC7	Feedback & reporting.	Users.
UC8	Platform administration.	Admin.

Table 4.3: Use Case Table

### 4.4 Mapping Functional Requirements to Use Cases

Functional Requirement (STRQ) No	Description	Use Case No
STRQ1	The system must allow users to post and share recipes on the platform.	UC4
STRQ2	The system must allow users to search and explore recipes.	UC3
STRQ3	Users can view recipe details, ingredients, preparation steps, and related information.	UC3
STRQ4	The consumer has to register with their personal details to access full features.	UC1
STRQ5	The consumer can update their personal details and dietary preferences.	UC2
STRQ6	Users may view their previously saved recipes and interactions.	UC2, UC3
STRQ7	The administrator can perform operations such as adding new users, deleting users, updating user details, and reviewing content.	UC2, UC4, UC5, UC7, UC8
STRQ8	The system shall provide authentication to prevent unauthorized access.	UC1

Table 4.4: Functional Requirements Mapping to Use Cases

## 4.5 Use Case Diagram

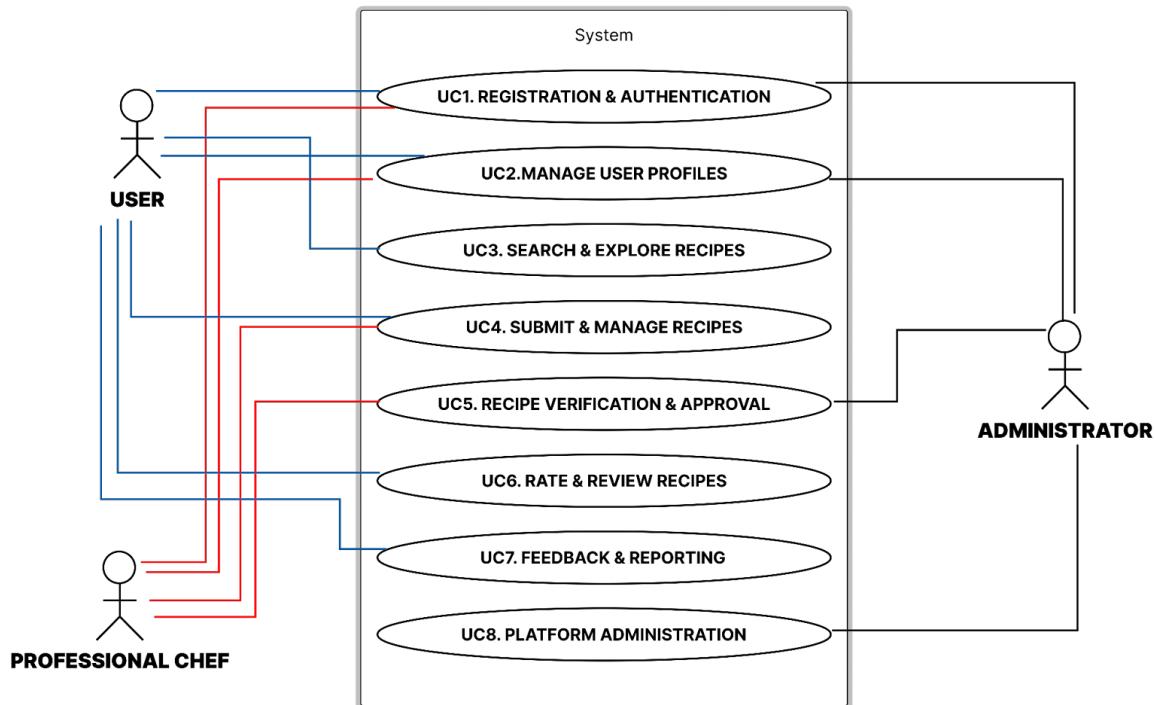


Figure 4.1: Use Cases

### 4.5.1 Use Case-1: User Registration & Authentication

<b>Use Case</b>	UC1. User Registration & Authentication
<b>Description</b>	User registers, logs in, & authenticates.
<b>Actors</b>	Users, Professional Chefs, Admin
<b>Steps</b>	Enter registration details or login credentials. System verifies & grants access.
<b>Exit Conditions</b>	Successful authentication or error message.

Table 4.5: User Registration & Authentication

#### 4.5.2 Use Case-2: Manage User Profiles

<b>Use Case</b>	UC2. Manage User Profiles
<b>Description</b>	Users update personal details or delete accounts.
<b>Actors</b>	Users, Administrators, Professional Chefs
<b>Steps</b>	Navigate to profile settings. Update details or request account deletion.
<b>Exit Condition</b>	Changes saved or error message.

Table 4.6: Manage User Profiles

#### 4.5.3 Use Case-3: Search & Explore Recipes

<b>Use Case</b>	UC3. Search & Explore Recipes
<b>Description</b>	Users search and view recipes.
<b>Actors</b>	Users
<b>Steps</b>	Enter keywords or use filters in search. System displays relevant recipes.
<b>Exit Condition</b>	Recipes displayed or 'no recipes found' message.

Table 4.7: Search &amp; Explore Recipes

#### 4.5.4 Use Case-4: Submit & Manage Recipes

<b>Use Case</b>	UC4. Submit & Manage Recipes
<b>Description</b>	Users submit, edit, and manage recipes.
<b>Actors</b>	Users
<b>Steps</b>	Fill in recipe details & submit. Edit or delete previously submitted recipes.
<b>Exit Condition</b>	Recipes saved, updated, or deleted.

Table 4.8: Submit &amp; Manage Recipes

#### 4.5.5 Use Case-5: Recipe Verification & Approval

<b>Use Case</b>	UC5. Recipe Verification & Approval
<b>Description</b>	Approves or rejects submitted recipes.
<b>Actors</b>	Administrator, Professional Chefs
<b>Steps</b>	Review submitted recipes. Approve or reject based on quality.
<b>Exit Condition</b>	Recipe approved or rejected with feedback.

Table 4.9: Recipe Verification &amp; Approval

#### 4.5.6 Use Case-6: Rate & Review Recipes

<b>Use Case</b>	UC6. Rate & Review Recipes
<b>Description</b>	Users rate and review recipes.
<b>Actors</b>	Users
<b>Steps</b>	Select a recipe & provide a rating/review. Submit feedback.
<b>Exit Condition</b>	Review saved or error message displayed.

Table 4.10: Rate &amp; Review Recipes

#### 4.5.7 Use Case-7: Feedback & Reporting

<b>Use Case</b>	UC7. Feedback & Reporting
<b>Description</b>	Users provide feedback or report issues.
<b>Actors</b>	Users, Professional Chefs
<b>Steps</b>	Submit feedback or report inappropriate content. System logs report for review.
<b>Exit Condition</b>	Feedback stored or issue flagged.

Table 4.11: Feedback &amp; Reporting

#### 4.5.8 Use Case-8: Platform Management

<b>Use Case</b>	UC8. Platform Management
<b>Description</b>	Manages users, content & platform settings.
<b>Actors</b>	Admin
<b>Steps</b>	Review user activity, flagged content, and system settings. Take appropriate actions.
<b>Exit Condition</b>	Changes applied successfully.

Table 4.12: Platform Management

# **Chapter 5**

## **Other Nonfunctional Requirements**

In software engineering, non-functional requirements define the quality attributes and operational constraints of a system rather than its specific behaviors. These requirements differ from functional requirements, which focus on explicit system functionalities. Non-functional requirements are often referred to as "quality attributes," "constraints," or "quality goals."

Non-functional qualities are generally categorized into two main types:

- Execution qualities, such as security and usability, which are directly observable during system operation.
- Evolution qualities, such as scalability and maintainability, which define how well the system can adapt to future changes.

### **5.1 Performance Requirements**

The ShareTaste platform will be hosted on a reliable server to ensure continuous availability, allowing users to access recipes and manage their accounts at any time. The system follows a client-server architecture using a request-response model to facilitate seamless interactions between users and the platform.

#### **Key Performance Requirements:**

- All web pages should load within 5 seconds under normal network conditions.
- The system must ensure secure and efficient authentication for users.
- Recipe searches should retrieve results within 3 seconds on average.

### **5.2 Security Requirements**

Access to the ShareTaste platform will be restricted to registered and authorized users through a secure login system. Users will be required to authenticate using a valid username and password.

#### **Security Measures:**

- New users must register with ShareTaste by providing necessary details, including an email address for verification.
- Users will be categorized into three roles:
  1. Consumers – Can explore and save recipes.
  2. Professional Chefs – Can submit and verify recipes.
  3. Administrators – Can oversee content moderation and manage user accounts.
- Access permissions will be role-based, ensuring that users can only access features relevant to their account type.
- Error messages will be displayed in cases of invalid login attempts or unauthorized access, ensuring user-friendly security feedback.

# Chapter 6

## UML Diagram

### 6.1 Class diagram

Class diagrams are used to describe the structure of a system. Class diagrams describe the system in terms of objects, classes, attributes, operations and their associations. Objects are instances of the classes. In UML classes are depicted by boxes composed of three compartments. The top compartment displays the name of the class. The center compartment displays its attributes, and the bottom compartment displays operations. A link represents the connection between the classes.

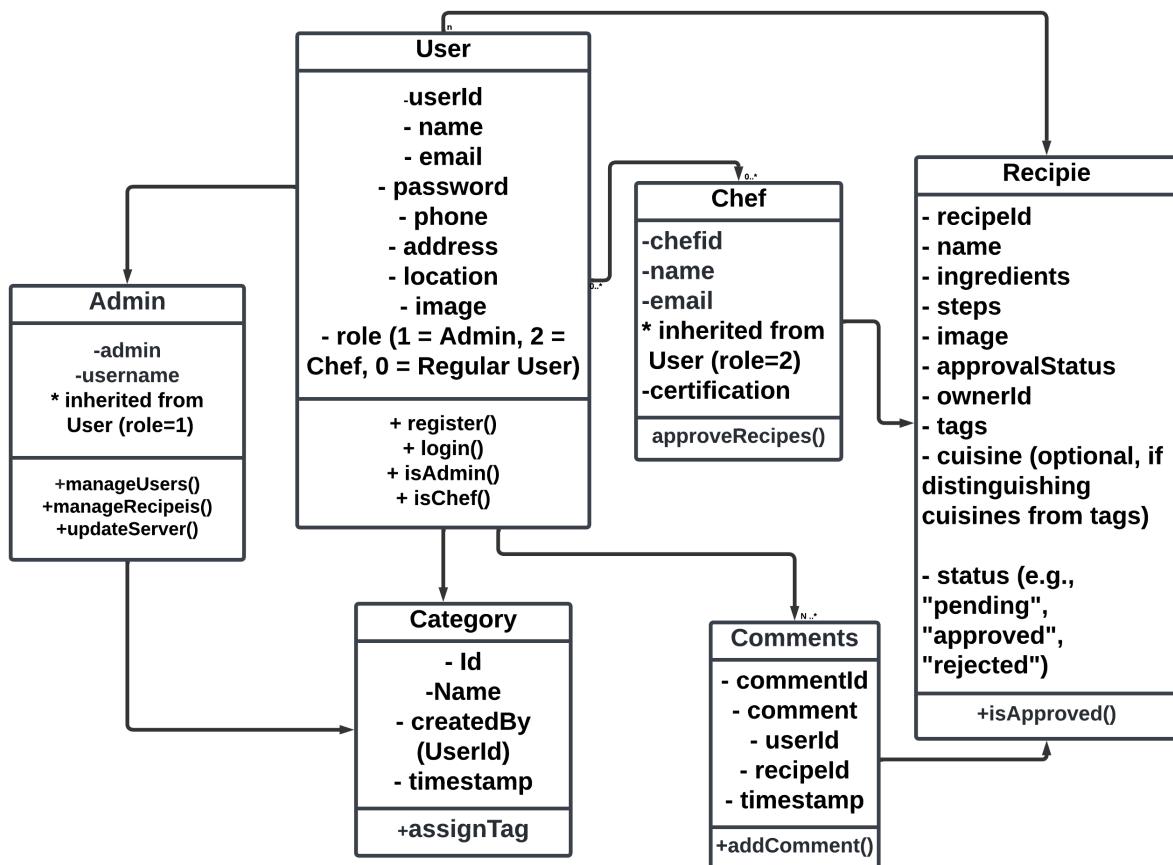


Figure 6.1: ShareTaste Class Diagram

## 6.2 Sequence Diagram

Sequence diagram is an Interaction Diagram that describes the patterns of communication among a set of interacting objects. An object interacts with another object by sending messages. The reception of message by an object triggers the execution of a method, which in turn may send messages to other objects. Arguments may be passed along with a message and are bound to parameters of the executing method in the receiving object .Sequence Diagrams represent the objects participating in the interaction horizontally and time vertically.

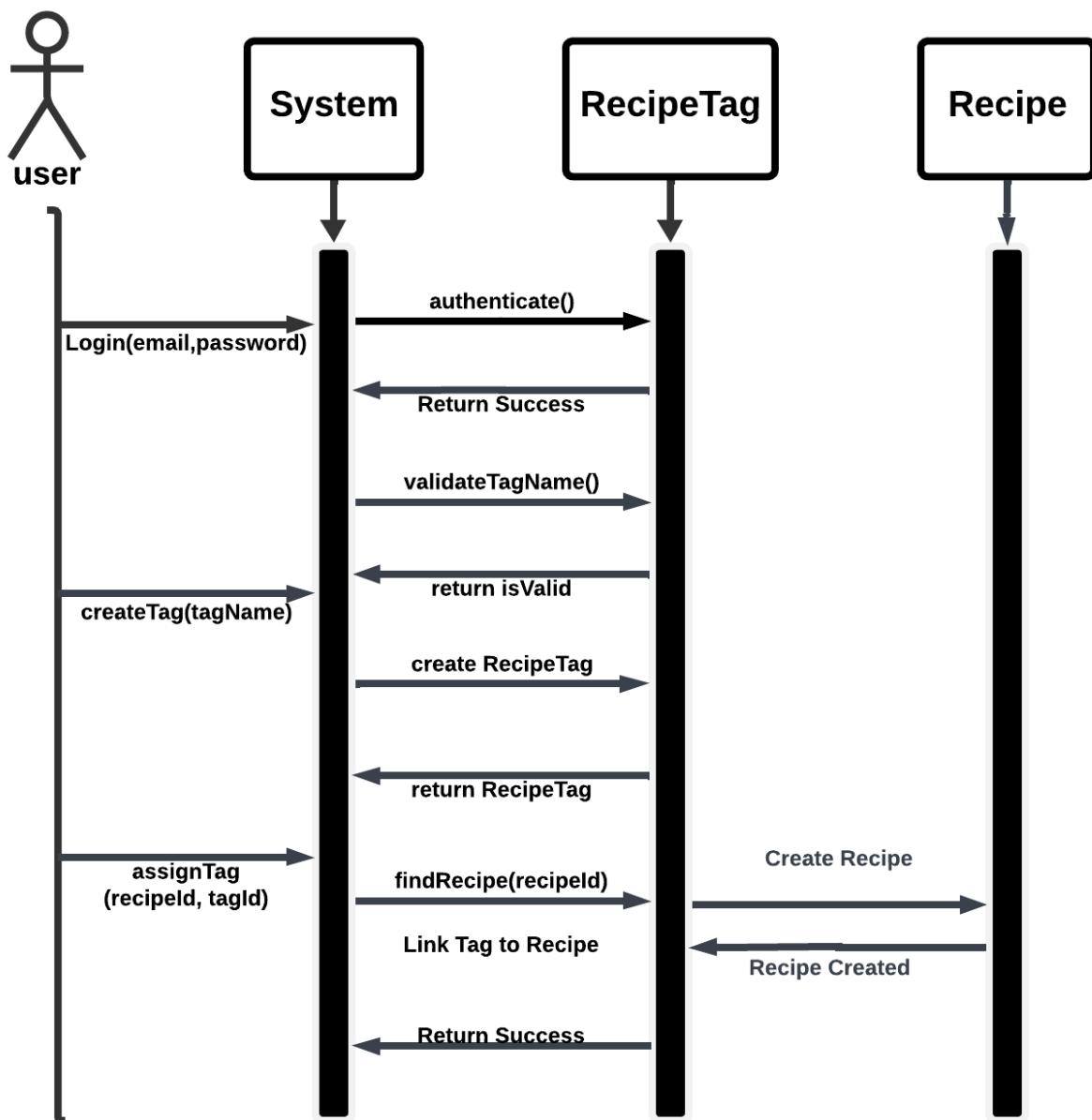


Figure 6.2: Sequence Diagram

## 6.3 State Chart Diagrams

State chart diagrams describe the dynamic behavior of an individual object as a number of states and transition between these states. A state represents a particular set of values for an object. Given a state, a transition represents a future state the object can move to and the conditions associated with the change of state. A state is represented by a rounded rectangle. A transition is depicted by open arrows connecting two states. States are labeled with their name. A small solid black circle indicates the initial state. A circle surrounding a small solid black circle indicates a final

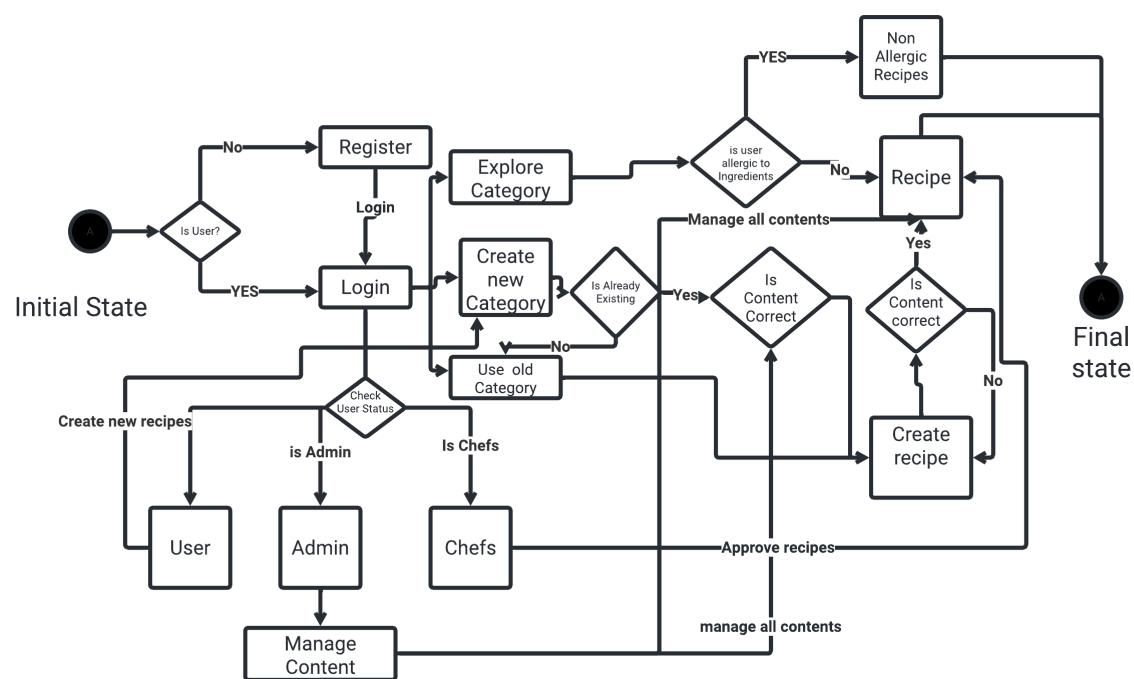


Figure 6.3: State Chart Diagram

## 6.4 Deployment Diagram

A deployment diagram shows on which hardware component each software component is installed (or deployed). It also shows the communication links among the hardware components. A deployment diagram models the physical deployment of artifacts on nodes. The nodes appear as boxes, and the artifacts allocated to each node appear as rectangles within the boxes. A single node in a deployment diagram may conceptually represent multiple physical nodes, such as a cluster of database servers. There are two types of nodes: Device Node and Execution Environment Node. Devices nodes are physically computing resources with processing memory and services to execute software, such as typical computer or mobile phones. Execution Environment Node is a computing resource that runs within an outer node and which itself provides a service to host and execute other executable software elements

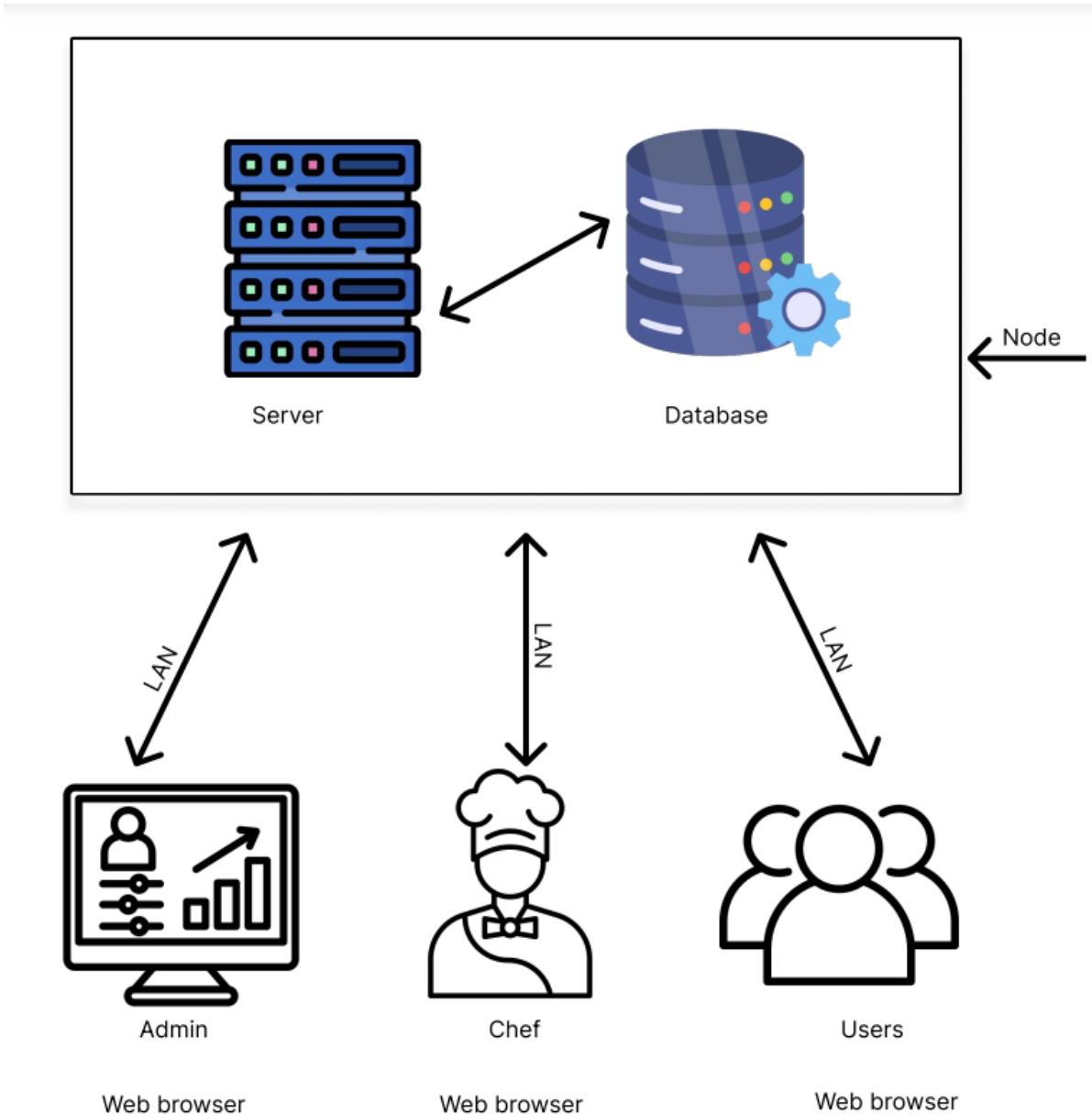


Figure 6.4: Deployment Diagram