



**SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL  
EDUCATION**

**National Diploma in Information Technology**

**IT2404 Project (Individual)  
Software Requirement Specification (SRS)  
Social Media App for foods (Yum Yum)**

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## **1. Introduction**

This is a social media app based on food, providing a single space for food lovers who want to communicate with other food enthusiasts, share ideas, invent new food recipes, create their own food recipe list, post, share experiences with others, and discover new dishes. We understand that your time is valuable, and we are here to help you find the best restaurants, recipes, and culinary experiences all in one easy-to-use app. With our app, you can browse curated lists of popular restaurants, search for specific dishes or cuisines, and receive personalized recommendations from other users. You can also create and share your own food posts, including recipes and restaurant recommendations, and even book restaurant reservations. Our app makes it easy for you to pay for your food online and avoid the hassle of waiting in line or dealing with cash. Whether you are a seasoned foodie or just starting on your culinary journey, our app can help you discover new dishes, connect with other food enthusiasts, and make the most of your time. Our platform provides a space for people to share their love of food and create a community that celebrates culinary diversity and creativity.

## 2. Project Scope

The proposed social media app is designed to connect food enthusiasts and create a vibrant community centered around culinary experiences. It provides a single platform for users to share their love for food, exchange ideas, discover new recipes, and recommend restaurants. The app offers features such as user profiles, a customizable news feed, recipe sharing, restaurant recommendations, personalized food exploration, community engagement, online reservations, and personalized recommendations. With a focus on user interaction and gamification elements, the app aims to foster engagement and create a dynamic environment for food lovers. Privacy and data security will be prioritized, and regular updates and maintenance will ensure a seamless user experience. The app aims to be a go-to platform for food enthusiasts, whether they are seasoned foodies or just beginning their culinary journey.

### 3. Functional Requirement Description

In this requirements section, I am defining the functional requirements of the Yum Yum App, a social media platform for food enthusiasts. The following use case diagram outlines the core functionalities of the app:



<b>3.1 Use case: Register to the app</b>	
Use Case Number	1
Use case Name	Register to the app
Actor	User
Overview	User should register to the system to access the functionality.
Pre-condition	Valid registration
Description	Fill the registration form and then click the register button.

<b>3.2 Use case: Register to the app</b>	
Use Case Number	2
Use case Name	Login
Actor	User
Overview	User can login to the system after registration.
Pre-condition	Valid registration
Description	Enter the correct login credential.

<b>3.3 Use case: Add Recipe</b>	
Use Case Number	3
Use case Name	Add Recipe
Actor	User
Overview	User can add recipe to the user account privately.
Pre-condition	Valid login
Description	Add food post to the timeline

<b>3.4 Use case: Live Message</b>	
Use Case Number	4
Use case Name	Live Message
Actor	User
Overview	User can live chat with others.
Pre-condition	Valid login

Description	User can chat with others.
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<b>3.5 Use case: Add Post</b>	
Use Case Number	5
Use case Name	Add Post
Actor	User
Overview	User can post food related content to their timeline.
Pre-condition	Valid login
Description	User can post food related content.

<b>3.6 Use case: Share post</b>	
Use Case Number	6
Use case Name	Share post
Actor	User
Overview	User can share post
Pre-condition	Valid login
Description	User can share post with others.

<b>3.7 Use case: Add comment</b>	
Use Case Number	7
Use case Name	Add comment
Actor	User
Overview	User can add comments
Pre-condition	Valid login
Description	User can add comments to others user's comment.

<b>3.8 Use case: Delete and Deactivate account</b>	
Use Case Number	8
Use case Name	Delete and Deactivate account
Actor	User
Overview	User can deactivate or delete their accounts.
Pre-condition	Valid login

Description	User can deactivate or delete their accounts if they like.
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<b>3.9 Use case: Search location.</b>	
Use Case Number	9
Use case Name	Search location.
Actor	User
Overview	User can search location.
Pre-condition	Valid login
Description	User can search location to find out restaurant.

<b>3.10 Use case: Update post</b>	
Use Case Number	10
Use case Name	Update post.
Actor	User
Overview	User can update post.
Pre-condition	Valid login
Description	User can update their post.

<b>3.11 Use case: Account management</b>	
Use Case Number	11
Use case Name	Account management.
Actor	Admin
Overview	Admin can manage the account
Pre-condition	Valid admin login
Description	Add can manage the user's account

<b>3.12 Use case: Check feedback</b>	
Use Case Number	12
Use case Name	Check feedback.
Actor	Admin
Overview	Check user's feedback
Pre-condition	Valid admin login



Description	Check user's feedback when they submitted.
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<b>3.13 Use case: Add privacy policies.</b>	
Use Case Number	13
Use case Name	Add privacy policies.
Actor	Admin
Overview	Add privacy policies
Pre-condition	Valid admin login
Description	Add privacy policies to the account.

<b>3.14 Use case: Update privacy policies</b>	
Use Case Number	14
Use case Name	Add privacy.
Actor	Admin
Overview	Add privacy policies
Pre-condition	Valid admin login
Description	Add privacy policies to the account.

## 4. Non-functional Requirements.

- Performance:

The app should provide fast and responsive performance, with minimal loading times and smooth transitions between screens.

It should be able to handle a large number of concurrent users without significant performance degradation.

- Security:

User data should be protected with robust security measures, including encryption, secure authentication, and secure transmission of data.

The app should comply with relevant data protection regulations, ensuring the privacy and confidentiality of user information.

- User Interface and User Experience:

The app should have an intuitive and user-friendly interface, making it easy for users to navigate, discover content, and interact with features.

It should follow consistent design guidelines, ensuring a cohesive and visually appealing user experience across different devices and platforms.

- Compatibility:

The app should be compatible with a wide range of devices, operating systems, and screen sizes to accommodate different user preferences and devices.

It should be optimized for both mobile and web platforms, providing a seamless experience across various devices and browsers.

## **5. Feasibility Study.**

This study evaluates the feasibility of developing a food-focused social media app, analyzing technical requirements, market potential, revenue streams, operational considerations, and financial projections. The app demonstrates strong potential in terms of technical feasibility, as the necessary resources and expertise are available. Market research indicates a demand for such an app, offering opportunities for revenue generation through advertising, premium features, and partnerships. Operational aspects, including user experience and content management, require careful attention. Financial projections indicate a positive return on investment. However, further analysis and market testing are recommended to validate assumptions and mitigate potential risks before proceeding with app development.

### **5.1 Technical Feasibility**

This technical feasibility study gives you a report above we used the technologies to develop our system as suited. I am using HTML, CSS and Bootstrap requirements for front end and my SQL, PHP, XAMPP, VSCode for back end. So, then I am capable of developing this web application using the above front-end and back-end tools.

### **5.2 Operational Feasibility**

Operational feasibility for a food-focused social media app involves evaluating its practicality and effectiveness in real-world operations. Key considerations include user experience, content management, community building, onboarding processes, security and privacy measures, and performance optimization. The app should offer an intuitive user interface, efficient navigation, and engaging features to ensure a positive user experience. Effective content management strategies, including quality control and moderation, are essential. Community building features promote user interaction and foster a sense of belonging. An efficient onboarding process helps new users navigate the app easily. Robust security measures protect user data and privacy. Optimized performance ensures seamless functionality even during peak usage. Addressing these factors contributes to the app's operational feasibility and success.