



Business Requirements Document

(Guide S50 Version 1.0)

for

Recipe Sharing Community System

Version 1.0.0

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1. DOCUMENT REVISION LOG

Table 1 Document Revision Log

Date	Author	Version	Reason for Change
08-30-2024	Kho, Laude, Baguio	1.0.0	Creation of draft for application.

2. DOCUMENT REVIEWERS

Table 2 Document Reviewers

Name & Title	Role	Approval Date	Version

3. APPROVER & SIGNOFF

Table 3 Client Acceptor (Project Sponsor)

Name & Title	Role	Approval Date	Version
Signature:			

4. INTRODUCTION (Analysis Description)

4.1 DOCUMENT PURPOSE

The purpose of the Business Requirements Document (BRD) is to present the stakeholder requirements needed for the Recipe Sharing Community System completely, accurately and unambiguously in a technology-independent manner. This information is captured and written by the Business Analysis team during the project Analysis phase.

Business language is used to describe the requirements authored in this document and is the definitive specification of the user requirements. The BRD is the primary input to the design and development phases, and is the primary specification for User Acceptance. This document is intended to be read by all responsible for the management of the project development initiative including business users, user representatives and sponsors, and other interested parties.

4.2 DOCUMENT SCOPE

As determined during the Analysis phase of the project, the scope of this document is limited to describing the Recipe Sharing Community System stakeholder business needs including stakeholder categories such as primary users (e.g., housewives and chefs) and secondary users (e.g., learning individuals and friends). The scope also encompasses the business data relationship map (*what*, e.g. data model), the event-response table (*when*, e.g. state diagrams), business policies (*why*, e.g. business rules), and the process map (*how*, e.g. use cases).

The approved and signed version of this document will serve as the basis for subsequent phases of the project.

4.3 DOCUMENT AUDIENCE

Table 4 Document Audience

Document Audience	Location
Business User	They need to ensure that the system meets their functional needs and enhances their ability to share, discover, and manage recipes effectively.
Housewives	Home-based cooks who often prepare meals for their families and are likely to use the system for recipe discovery and sharing.
Chefs	Professional cooks who may use the system to explore new culinary ideas, share their own recipes, and engage with a community of food lovers.
System Architects and Developers	Technical team members responsible for designing and developing the Recipe Sharing Community System.
Project Managers	Individuals responsible for overseeing the project's execution, ensuring it stays on track, within scope, and on budget.
End Users	General users of the Recipe Sharing Community System who may include individuals of varying cooking skill levels, from beginners to experts.

4.4 BUSINESS ANALYSIS APPROACH

The objective of the Analysis phase of the project was to document the list of requirements that are of interest to the business and to provide supporting documentation for the solution in sufficient detail for the next phase of work. This phase involved both a review of existing information and the identification of new or modified requirements to ensure that the solution aligns with the business goals and objectives.

The approach include:

- **Business Analysis Planning and Monitoring:** This activity involved the development of a plan for how the analysis work would be conducted and monitored throughout the project. It included defining the scope of the analysis, identifying stakeholders, and establishing metrics to track progress. Regular monitoring ensured that the analysis stayed on track and aligned with project goals.
- **Elicitation:** Elicitation activities were conducted to gather detailed information from stakeholders regarding their needs, expectations, and concerns. Techniques such as interviews, workshops, surveys, and document analysis were used to collect this information. The goal was to ensure a comprehensive understanding of the business requirements.
- **Requirements Management and Communication:** This step focused on organizing, managing, and communicating the requirements throughout the project lifecycle. It included the use of tools and processes to track changes, maintain requirements traceability, and ensure that all stakeholders were informed of the current status of the requirements.
- **Requirements Analysis:** In this activity, the collected requirements were analyzed to ensure they were complete, consistent, and aligned with the business objectives. This involved validating the requirements, resolving any conflicts, and prioritizing them based on business value. The result was a set of well-defined, actionable requirements ready for the next phase of the project.
- **Solution Assessment and Validation:** This phase included assessing potential solutions to ensure they met the documented requirements and provided value to the business. Validation activities ensured that the proposed solutions were feasible, aligned with the business strategy, and met stakeholder expectations.

The inputs to this phase included:

- **Business Case:** The Business Case provided a high-level overview of the project's goals, benefits, and justification, serving as a reference point for ensuring that the requirements aligned with the intended outcomes.
- **Master Project Plan:** The Master Project Plan outlined the overall strategy, timeline, and resources required for the project. It served as a guide for planning and conducting the analysis activities.
- **Project Charter:** The Project Charter defined the project's scope, objectives, and key stakeholders. It provided a framework for understanding the boundaries and focus of the requirements analysis.
- **Business Analysis Work Plan:** The Business Analysis Work Plan detailed the specific tasks, milestones, and deliverables for the analysis

phase. It ensured that all analysis activities were conducted in an organized and systematic manner, aligning with the project's overall timeline and objectives.

5. SYSTEM ARCHITECTURE & FUNCTIONAL OVERVIEW

5.1 Platform Overview and System Components

The Recipe Sharing Community System is a web-based application designed to provide users a platform to share, discover, and interact with a wide array of recipes. The platform is built with a focus on user engagement, ease of use, and scalability to accommodate a growing community of food enthusiasts.

The system comprises several key components that work together to deliver the intended functionality:

- **User Account Management System:** Handles user registration, login, profile management, and password recovery. It also manages user roles and permissions within the system.
- **Recipe Management System:** Allows users to submit, edit, and delete recipes. It includes the feature for categorizing recipes by cuisine.
- **Search and Filtering System:** Provides a search engine that allows users to find recipes based on keywords, and cuisine types. Filtering options enable users to narrow down results to find exactly what they need.
- **Rating and Commenting System:** Enables users to rate and leave comments on recipes.

5.2 Functions Requirements

Table 5 Function Overview

Function	Description
User Registration and Login	Users can register by providing an email, username, and password. They can log in to access personalized features and recover passwords through email if forgotten.
Recipe Submission and Management	Users can enter recipes with details such as ingredients, preparation steps, cooking time, and dietary information. They can also edit or delete their submissions.
Search and Filter	Users can search for recipes using keywords, or by selecting cuisine types and dietary preferences. The system returns results that match the search criteria.
Recipe Rating and Commenting	Users can rate recipes on a scale (e.g., 1 to 5 stars) and leave comments to provide feedback. Ratings and comments are visible to the community, contributing to the overall reputation of the recipe.
User Profile Management	Users can manage their profiles, and view their submitted recipes.

5.3 Logical Data Model

