



Business Requirements Document

(Guide S50 Version 1.0)

for

Bubble Space

Version 1.0.0

Prepared for

Frederick L. Revilleza Jr.



College of Computer Studies

August 30, 2024

Prepared by

Duque, Rae Addison

Engalla, Al Jubail-Benz

Verar, Jeannie Margaret

Table of Contents

1. DOCUMENT REVISION LOG.....	5
2. DOCUMENT REVIEWERS.....	5
3. APPROVER & SIGNOFF.....	5
4. INTRODUCTION (Analysis Description).....	6
4.1. DOCUMENT PURPOSE.....	6
4.2. DOCUMENT SCOPE.....	6
4.3. DOCUMENT AUDIENCE.....	7
4.4. BUSINESS ANALYSIS APPROACH.....	8
5. System Architecture and Functional Overview.....	9
5.1. Platform Overview and System Components.....	9
5.2. Functions Requirements.....	10
5.3. Logical Data Model.....	11

List of Tables

Table 1 Document Revision Log

Table 2 Document Reviewers

Table 3 Business Approver & Signoff

Table 4 Document Audience

Table 5 Function Overview

1. DOCUMENT REVISION LOG

Table 1 Document Revision Log

Date	Author	Version	Reason for Change
8/31/2024	Duque, Engalla, Verar	1.0.0	Formulated a draft for the application, Bubble Space.

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 a task management application that integrates social elements in a complete, accurate and unambiguous manner that is also technology-independent. 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 used to guide the design and development phases of the project and is the primary reference 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 Bubble Space stakeholder business needs. This includes identifying stakeholder categories such as primary users (e.g., individual task creators and team leaders) and the secondary users (e.g., collaborators and friends). The scope also encompasses the business data relationship map, which outlines the data model, the event-response table (e.g. task creation and collaboration workflows), business policies (e.g. rules for task sharing and collaboration), and the process map (e.g. use cases for task management and social interactions).

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 Owners	The primary audience for this document. They must verify that the business requirements for Bubble Space, including social elements and task management features, are fully captured, accurate, and unambiguous.
Data Architects	Will utilize the document to understand data-related requirements specific to user interactions, task management, and social networking within Bubble Space, and design the appropriate data structures.
Application Architects	Will reference the document to design application-level solutions that align with the unique requirements of task management and social collaboration in Bubble Space.
Technical Architects	Will find the document useful for understanding the overall requirements to ensure the technical architecture supports the business goals and social elements of Bubble Space.
End-Users	Although not the primary audience, end-users should be able to comprehend the requirements as they are documented in a technology-independent manner, reflecting how they will interact with Bubble Space's task and social features.

4.4. BUSINESS ANALYSIS APPROACH

The purpose of the Analysis phase in the Bubble Space project was to write down the list of the requirements concerning the business area with focus on the task management and social interaction tools. This phase sought to furnish augmentation documentation for the solution in the requisite level of detail for the subsequent phases of the project. Within the Analysis phase it was necessary to perform a preliminary study of available information as well as define new or altered requirements which would enable Bubble Space to function effectively.

The approach included:

- **Business analysis planning and monitoring:** Such that the management of the analysis was done in such a way that it did not deviate from the project objective and that the checks done at specified intervals to ensure that the analysis was in line with the project goals were effectively done.
- **Elicitation:** Requirement analysis through interviews with the persons that will use the app, questionnaires and group discussions and the emphasis on the needs and preferences of the user in the social interactions and in performing tasks, which are to be completed through the app.
- **Requirements management and communication:** Coordinating the requirement and making sure that every stakeholder is updated and every change is documented and sorted out.
- **Requirements analysis:** Verifying all gathered requirements to make sure that all the requirements that are needed are included, understood and meet the business goals of Bubble Space.
- **Solution assessment and validation:** Evaluating potential solutions with reference to the identified requirements and ensuring the solutions stem from the identified business needs.

The inputs to this phase included:

- **Business Case:** The benefits of creating Bubble Space in view of improving efficiency using task-related functions along with social networking elements.
- **Master Project Plan:** The strategic direction of Bubble Space with regards to its development and deployment.
- **Project Charter:** A legal written confirmation of a project and statement of project's purpose, and key constituencies.
- **Business Analysis Work Plan:** The strategic document which describes the concrete actions to be taken, timeframes and roles in the framework of the business analysis initiative.

5. System Architecture and Functional Overview

5.1. Platform Overview and System Components

Bubble Space is a platform facilitating various business functions, including User Management, Team Management, Project and Task Management, Messaging, and Note Creation.

- **User Management:** Users can create profiles that include personal details such as name, address, and social connections.
- **Team Management:** Users are organized into teams, with each team having a leader and members.
- **Project and Task Management:** Teams manage projects, where tasks are assigned to individual users with detailed information on task status, due dates, and comments.
- **Messaging:** Users interact with each other through a messaging system, facilitating communication within and across teams.
- **Note Creation:** Users can create personal notes that may or may not be linked to specific projects or tasks.

Systems Being Used:

- **User Management System:** Maintains user profiles and handles team assignments.
- **Team Management System:** Manages team creation, member assignments, and leadership roles.
- **Project and Task Management System:** Manages projects and tasks assigned to users.
- **Messaging System:** Facilitates user communication.
- **Note Management System:** Allows users to create and manage notes.

5.2. Functions Requirements

Table 5 Function Overview

Function	Description
User Management	Manages user accounts, including creating, updating, and deleting user profiles.
Team Management	Handles the creation and management of teams, including assigning members and a leader.
Messaging/Interaction	Allows users to send and receive messages, facilitating communication between team members.
Project Management	Oversees the creation, updating, and tracking of projects, including assigning tasks to teams.
Task Management	Manages tasks within projects, including setting due dates, statuses, and monitoring progress.
Note Creation	Allows users to create, store, and manage notes related to their tasks or projects.

5.3. Logical Data Model

