# Business Requirements Document (BRD)

## 1. Title Page

* **Project Name**: Private Room
* **Version**: 1.0
* **Date**: 07.04.2025
* **Prepared by**: Onur Pekesen
* **Approved by**: [Client Name/Representative]

## 2. Document Revision History

| Version | Date | Description of Change | Author |
| --- | --- | --- | --- |
| 1.0 | 07/04/2025 | Initial draft | Onur Pekesen |

## 3. Table of Contents

1. Title Page
2. Document Revision History
3. Table of Contents
4. Introduction
5. Business Objectives
6. Project Scope
7. Detailed Requirements
   * 7.1 Functional Requirements
   * 7.2 Non-functional Requirements
8. Assumptions and Dependencies
9. Constraints
10. Risks
11. Acceptance Criteria
12. Timeline & Milestones
13. Stakeholders
14. Appendices
15. Sign-Off

## 4. Introduction

### Purpose

The purpose of this document is to outline the business requirements for the “Private Room” platform, an innovative digital communication space designed to connect individuals, companies, and educational institutions securely and flexibly.

### Background

Private Room aims to provide a secure and flexible digital space for private communication, proximity chats, and target group-specific functions supported by a unique monetization model.

### Intended Audience

This document is intended for software developers, project managers, and stakeholders involved in the development and deployment of the Private Room platform.

## 5. Business Objectives

* To provide a secure platform for private communication.
* To enable proximity-based chats and dynamic group creation.
* To implement a unique monetization model through subscriptions and pay-per-message.

## 6. Project Scope

### In-Scope

* Development of private and proximity chat features.
* Implementation of automatic group creation.
* Integration of monetization functions.
* Deployment on cloud infrastructure for scalability.

### Out-of-Scope

* Development of non-core features not listed in the main functions.
* Support for platforms not specified in the technical architecture.

## 7. Detailed Requirements

### 7.1 Functional Requirements

#### Requirement ID: FR-001

* **Title**: Private Chats
* **Description**: Enable users to contact specific people or groups with a pay-per-message or subscription model.
* **User Story**: As a user, I want to initiate private chats so that I can communicate securely and privately with selected individuals or groups.
* **Priority**: High
* **Acceptance Criteria**: Users can initiate and maintain private chats with payment options, ensuring secure and private communication.

#### Requirement ID: FR-002

* **Title**: Proximity Chats
* **Description**: Use geolocation to display nearby users and create automatic groups.
* **User Story**: As a user, I want to see and chat with nearby users to connect with my local community and participate in location-based discussions.
* **Priority**: High
* **Acceptance Criteria**: Users can view and join proximity-based chats, with automatic group creation based on location.

#### Requirement ID: FR-003

* **Title**: Automatic Group Creation
* **Description**: Automatically create groups based on user context such as workplace, study courses, or events.
* **User Story**: As a user, I want to be automatically added to relevant groups based on my context, so I can easily communicate with peers.
* **Priority**: Medium
* **Acceptance Criteria**: Groups are automatically created and users are added based on predefined contexts.

#### Requirement ID: FR-004

* **Title**: Ghost Mode
* **Description**: Allow users to interact anonymously in chats without revealing identity or location.
* **User Story**: As a user, I want to participate in chats anonymously to protect my privacy.
* **Priority**: Medium
* **Acceptance Criteria**: Users can enable ghost mode to hide their identity and location during chats.

#### Requirement ID: FR-005

* **Title**: Sleeping Mode
* **Description**: Allow users to temporarily deactivate notifications and activities without leaving groups.
* **User Story**: As a user, I want to pause notifications and activities temporarily without leaving my groups.
* **Priority**: Low
* **Acceptance Criteria**: Users can activate sleeping mode to pause notifications and activities.

#### Requirement ID: FR-006

* **Title**: Monetization Functions
* **Description**: Implement pay-per-chat and subscription models for monetization.
* **User Story**: As a user, I want to choose between pay-per-chat or subscription models to access premium features.
* **Priority**: High
* **Acceptance Criteria**: Users can select and pay for chat access through different monetization models.

### 7.2 Non-Functional Requirements

#### Requirement ID: NFR-001

* **Title**: System Performance
* **Description**: The system shall support at least 10,000 concurrent users with a response time under 1 second for 95% of requests.
* **Priority**: High

#### Requirement ID: NFR-002

* **Title**: Security
* **Description**: The application must use end-to-end encryption (E2EE) for all communications and undergo regular security audits.
* **Priority**: High

#### Requirement ID: NFR-003

* **Title**: Scalability
* **Description**: The system should be scalable to accommodate a growing user base and increased data volume.
* **Priority**: High

#### Requirement ID: NFR-004

* **Title**: Usability
* **Description**: The user interface should be intuitive and user-friendly, with a design similar to popular messaging apps.
* **Priority**: Medium

#### Requirement ID: NFR-005

* **Title**: Reliability
* **Description**: The system should have 99.9% uptime and include failover mechanisms to ensure continuous availability.
* **Priority**: High

#### Requirement ID: NFR-006

* **Title**: Compliance
* **Description**: The application must comply with relevant data protection regulations such as GDPR.
* **Priority**: High

## 8. Assumptions and Dependencies

### Assumptions

* Users will have access to the internet and compatible devices.
* The platform will comply with relevant data protection regulations.

### Dependencies

* Integration with third-party geolocation and payment services.

## 9. Constraints

* Budget and timeline constraints as defined by the project owner.

## 10. Risks

* Potential security vulnerabilities.
* Challenges in integrating geolocation services.

## 11. Acceptance Criteria

* Functional and non-functional benchmarks must be met for the project to be considered complete.

## 12. Timeline & Milestones

* **Project Start Date**: [MM/DD/YY]
* **Project End Date**: [MM/DD/YY]
* **Key Milestones**:
  + Milestone 1: [Description & Date]
  + Milestone 2: [Description & Date]

## 13. Stakeholders

* **Client**: [Name/Role]
* **Project Manager**: [Name/Role]
* **Development Team**: [Names/Team Name]
* **Other Stakeholders**: [Any additional stakeholders]

## 14. Appendices

* Glossary of terms.
* References to similar platforms and market analysis.

## 15. Sign-Off

By signing below, the parties agree to the terms and requirements outlined in this document. - **Client Representative**: - Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - **Software Company Representative**: - Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_