

# Requirement Analysis

## Togethr 7 Dwarfs

Selim Dilşad Ercan	150210104
Emre Yamaç	150210077
Orhan Berkay Yılmaz	150210054
Mustafa E. Şimşek	150220053
Alper Tutum	150210088
Eren Özer	150240719
Uğur Erkan Bol	150210074
Derya Akgün	150200030

Repository: <https://github.com/togethr-app>

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# Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
1.1	Contents . . . . .	2
1.2	Organization . . . . .	2
<b>2</b>	<b>System Architecture</b>	<b>3</b>
2.1	System Architecture . . . . .	3
2.2	Component (Package) Diagram . . . . .	3
2.3	Explanations . . . . .	3
<b>3</b>	<b>Low Level Design</b>	<b>4</b>
3.1	Class Diagrams . . . . .	4
3.2	Sequence or Collaboration Diagrams . . . . .	4
3.3	Data Flow Diagram . . . . .	4
3.4	Explanations . . . . .	4

# 1 Introduction

## 1.1 Contents

## 1.2 Organization

## **2 System Architecture**

### **2.1 System Architecture**

### **2.2 Component (Package) Diagram**

Inputs, outputs of each component and services should be included.

### **2.3 Explanations**

### **3 Low Level Design**

#### **3.1 Class Diagrams**

A class diagram for each component.

#### **3.2 Sequence or Collaboration Diagrams**

Sequence or Collaboration Diagrams for each Use Case.

#### **3.3 Data Flow Diagram**

Updated and extended DFDs (DFDs are Level 2 for, at least one of subtasks/use case)

#### **3.4 Explanations**

## Appendix: Technology Stack

- Backend: Encore, Firebase, PostgreSQL
- Frontend: Next.js, React, Capacitor; Deployment via Vercel
- Project Management: GitHub Projects; Version Control via Git/GitHub

## Appendix: Revision History

Version	Date	Description of Changes
1.0	2025-10-20	Initial draft.
1.1	2025-10-23	Team restructuring: Orhan (Sprint Manager → Risk Manager) & Alper (Project Manager → Operation Lead) & Uğur (Presentation Coordinator → Marketing Specialist)
1.2	2025-11-07	Supabase → Firebase
1.3	2025-11-21	Formatting changes in requirements specification: System Requirements & User Types & User Scenarios & Use Case Diagram & Use Cases