

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>

Date: December 1, 2025

Contents

1	Introduction	2
1.1	Contents	2
1.2	Organization	2
2	System Architecture	3
2.1	System Architecture	3
2.2	Component (Package) Diagram	3
2.3	Explanations	3
3	Low Level Design	4
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