

End-to-End Requirements Process for a Database Project

1. Joint Requirement Definition (JRD)

A meeting between client, data analysts, and senior developers to understand business needs.

Goal: Capture business expectations before development.

Topics: Business goals, current processes, data needs, roles, budget, and timeline.

2. Business Requirement Document (BRD)

A document summarizing business needs from JRD.

Includes: Objectives, stakeholders, scope, constraints, data needs, risks, and sign-off.

3. Supporting Documents (Optional)

- Stakeholder Analysis: Whos involved and their roles
- Business Analysis Plan: How analysis will be done
- Current State Analysis: Whats working and whats not
- Scope Specification: Whats in/out of scope

4. Joint Application Design (JAD)

A technical meeting to plan how to build the system.

Includes: Features, data models, methodology, risks, timeline, and team assignments.

5. Functional Requirement Document (FRD)

Details how to build the system (translates BRD into technical specs).

Includes: Use cases, features, data models, interfaces, performance, and testing.

6. Alternate Gathering Methods

- Face-to-Face Interviews: Deep insights, personal touch
- Anonymous Questionnaires: Scalable, honest input
- Feedback Surveys: Structured, measurable feedback

7. Importance of Documentation

Ensures communication, decision tracking, maintenance support, compliance, debugging, and future scalability.

8. Project Timeline Summary

JRD BRD (+Support Docs) JAD FRD Development

Alternate methods can be used at any point for better clarity.