

Requirement Analysis (Functional, Operational, Technical) /

Flow Charts

Functional Requirements:

In this section, you will describe the functional requirements in detail. These requirements focus on what the system should do from a user's perspective. You can use use cases, user stories, or scenarios to document these requirements. Be sure to include:

- Use Case/Feature Name
- Description
- Actors Involved
- Preconditions
- Postconditions
- Flow of Events (Step-by-step description of how the feature works)
- Alternate Flows (If there are multiple paths or exceptions)

Operational Requirements:

Operational requirements focus on how the system will be used in a real-world context. This section should include information about:

- User Roles and Permissions
- Security Requirements
- Data Handling and Storage
- Logging and Monitoring
- Backup and Recovery Procedures
- Technical Requirements

Technical requirements specify how the system will be implemented. These should include details about:

- Technology Stack
- Hardware and Software Requirements
- Integration with Other Systems

- Performance and Scalability
- APIs and Data Formats

Flowcharts:

In this section, include flowcharts to visually represent the workflows or processes of the system. You can create flowcharts using standard symbols and notations. These visuals help stakeholders and developers understand how the system's processes work.

Make sure to maintain version control of your requirement analysis document, and keep it updated as the project progresses and new insights or changes arise. This document will serve as a critical reference point for all stakeholders throughout the project's development lifecycle.