

CSCE 740 - Requirements Document Structure

Although you should organize your requirements document to fit the needs of your project and organization, the IEEE recommends the following document structure:

You are free to customize these templates for the needs of your project. Do NOT include a section (or a field in a requirement) if it is not necessary (or you do not have the right information to complete it - do not make up values).

1. Introduction
 - a. Purpose
 - b. Scope
 - c. Definitions & Acronyms
 - d. References
 - e. Overview
2. Overall Description
 - a. Product Perspective
 - b. Product Functions
 - c. User Characteristics
 - d. Constraints
 - e. Assumptions
3. Specific Requirements
 - a. External Interface Requirements
 - i. User Interfaces
 - ii. Hardware Interfaces
 - iii. Software Interfaces
 - iv. Communication Interfaces
 - b. Functional Requirements
 - c. Performance Requirements
 - d. Design Constraints
 - e. Software System Attributes
 - f. Other Requirements
4. Appendices
5. Index

Section 3.b., Functional Requirements can be organized in multiple ways, three recommendations are:

1: Organized by User Class

- **User Class 1**
 - Requirement 1.1
 - Requirement 1.2
 - ...
 - Requirement 1.m

- User Class 2
-
- User Class N

2: Organized by Function

- Feature 1
 - Requirement 1.1
 - Requirement 1.2
 - ...
 - Requirement 1.m
- Feature 2
-
- Feature N

3: Organized by Mode

- Mode 1
 - Requirement 1.1
 - Requirement 1.2
 - ...
 - Requirement 1.m
- Mode 2
-
- Mode N