



UTT

UNIVERSIDAD TECNOLÓGICA DE TIJUANA

GOBIERNO DE BAJA CALIFORNIA

TEMA:

Architecture specification

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10B

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An Architecture Specification is a comprehensive document that details the technical and functional aspects of a construction or software project. It serves as a blueprint, guiding stakeholders through the project's requirements, materials, methods, and standards to ensure clarity and consistency throughout the development process.

Key Components of an Architecture Specification:

1. Project Overview:

- **Purpose and Scope:** Defines the project's objectives and the extent of work to be accomplished.
- **Stakeholder Identification:** Lists all parties involved, including their roles and responsibilities.

2. Technical Requirements:

- **Functional Requirements:** Describes the functionalities the system or structure must possess.
- **Non-Functional Requirements:** Outlines performance metrics, security standards, and usability criteria.

3. Design Specifications:

- **System Architecture:** Provides a high-level overview of the system's structure, including components and their interactions.
- **Component Details:** Offers in-depth information on individual elements, such as materials, dimensions, and interfaces.

4. Implementation Guidelines:

- **Construction Methods:** Specifies the techniques and procedures to be employed.
- **Quality Assurance:** Details testing protocols, inspection criteria, and compliance requirements.

5. Appendices:

- **Glossary:** Defines technical terms and acronyms used within the document.
- **References:** Lists external documents, standards, and resources referenced.

Best Practices for Writing an Architecture Specification:

- **Clarity and Precision:** Use clear and unambiguous language to prevent misinterpretation.
- **Consistency:** Ensure uniform terminology and formatting throughout the document.
- **Completeness:** Cover all necessary aspects to provide a comprehensive guide for stakeholders.
- **Conciseness:** Avoid unnecessary information; focus on relevant details.
- **Coordination with Drawings:** Align specifications with architectural drawings to provide a cohesive understanding of the project.

Adhering to these best practices enhances communication among project participants, reduces the likelihood of errors, and contributes to the successful execution of the project.