

Specifically, this SRS addresses the following objectives:

- To capture user requirements expressed in natural language and transform them into structured, machine-interpretable specifications.
- To establish the scope of the CodeCodez platform, ensuring that it aligns with the broader goals of automated code generation, documentation, and testing.
- To define system boundaries, highlighting what the system will provide and what lies outside its scope.
- To ensure that the developed system is scalable, modular, and adaptable for integration with various frameworks, languages, and development tools.
- To document non-functional requirements—such as performance, safety, and security—critical for ensuring reliability and long-term sustainability.

The SRS is intended to serve multiple purposes:

1. **For Developers:** It acts as a blueprint for design, implementation, and integration.
2. **For Testers:** It provides measurable requirements against which testing strategies and validation metrics can be defined.
3. **For Project Managers:** It functions as a planning and tracking tool to monitor progress and compliance.
4. **For Stakeholders/End-users:** It ensures clarity of deliverables and sets expectations for the capabilities and limitations of the system.

2.2.1.2 Intended Audience and Reading Suggestions

The intended audience for this Software Requirement Specification (SRS) document includes a wide range of stakeholders, each playing a crucial role in the successful development, deployment, and maintenance of *CodeCodez*. This section outlines who should use this document and provides reading suggestions to ensure efficient navigation and comprehension.

Intended Audience

1. Project Stakeholders / Clients

- Individuals or organizations who requested the development of *CodeCodez*.
- They can use this document to understand the scope, objectives, and deliverables of the system.
- It ensures clarity on how the system aligns with their expectations and long-term goals.