

# Specification Document Template

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## Introduction

<Briefly present the way you came up with the idea of this project; note any real-life need or situation that led to the envisioning of this project.>

## Objectives

<State, in a few sentences, what the application you are to develop actually aims to do (which are its main goals).>

## Requirements

### Functional requirements

<Enumerate the functionalities you desire of the application you are about to implement.>

### Non-functional requirements

<List the qualities you desire of your problem solution, other than those concerning its functionality, e.g. its robustness, its efficiency, its security, its extensibility, its maintainability, its portability, etc.>

## System Overview

<Provide a general description of the software system.>

## Design Considerations

<Describe any issues which need to be addressed or resolved before attempting to devise a complete design solution. Considerations may include: **Assumptions and Dependencies** (Related Software or hardware; Operating Systems; End-user characteristics); **General Constraints** (Hardware or software environment; Standards compliance; Interoperability requirements; Memory and other capacity limitations, and so on); **Guidelines** (guidelines, principles or priorities which dominate or embody the design – KISS, Emphasis on speed versus memory use, and so on).>

## System Architecture

<Provide a high-level overview of how the functionality and responsibilities of the system are partitioned. You can include here top level diagrams, flowcharts or any other item that you consider relevant.>

## Conclusion

<Explain, in a few words, which are, in your opinion, the key advantages/improvements of your application in its field.>

**Important note:** This document is for guidance purposes. You can alter your structure any way you see fit.