TecInASec Software Requirements Specification

# Introduction

## Purpose

## Scope

TecInASec is developed to bring people an easy way of searching for a specific computer, a computer brand or specify a price range and receive offers based on the search query.

## Definitions, acronyms and abbreviations

TIAS: TecInASec, the software name.

Tkinter: the native GUI library for python we used for developing the GUI.

## References

## Overview

# Overall Description

## 2.1 Product perspective

## 2.2 Product functions

## 2.3 User characteristics

## 2.4 Constraints

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An SRS outline

Introduction

Purpose: Provide a short statement of the purpose of the SRS and state the intended audience.

Scope: Identify the software by name. Explain what the software will do. Describe the application of the software.

Definitions, acronyms, and abbreviations: Give any definitions required to read the SRS and provide any acronyms and abbreviations used in the SRS.

References: Provide a list of references used in the SRS.

Overview: Provide an overview of the SRS and explain how it is organised.

Overall description

Product perspective: You should describe the overall system clearly stating if it is an independent system or part of a larger system. A block diagram of the product may be useful.

Product function: Provide a summary of the functions the software will perform. Organise the functions such that they are clear and understandable by the identified user(s).

User characteristics: Describe the characteristics of the users of the product indicating for example the required education level, experience, or technical knowledge. Be sure to include all the user types.

Constraints: List any constraints such as hardware limitations, safety and security.

Assumptions: List assumptions such as operating system requirements on the hardware to be used for the software product.

Apportioning of requirements: Provide detail regarding any delay of specific requirements to later versions of the software.

Specific requirements

External interface requirements: User interfaces, hardware interfaces, software interfaces, communications interfaces.

Functional: State all the fundamental actions of the software product being developed. Provide information on the user type to whom the functional requirement applies. For example "the customer" will be able to download the software from the app store, and "the administrator" will be able to create an account. List all the functional requirements providing sufficient detail to describe the function. Review the SRS document from the University of Gothenburg, provided in the chapter 3 initial reference material folder. Research SRS functional requirements.

Non-functional: These can be performance indicators such as the capacity, response time, or fault recovery time. They could be design constraints such as the hardware to be used or the memory requirements. They could be software system attributes such as the adaptability, availability, reliability, usability, or security.