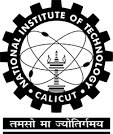
Software Requirements Specification

for

<ProjectNo.><ProjectName>

**Version <0.1>**

**Prepared by**

**Student Roll Number: <X>**

**Student Name: <X>**

| **Project Owner:** | **<*place your allotted TA’s name here>*** |
| --- | --- |
| **Course:** | **CS4097D Object Oriented Systems Laboratory** |
| **Date:** | **<place the date of submission here>** |

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# 1 Introduction

*<TO DO: Please provide a brief introduction to your project.>*

## 1.1 Document Purpose

*<Identify the product whose software requirements are specified in this document, including the revision or release number. Describe the scope of the product that is covered by this SRS, particularly if this SRS describes only part of the system or a single subsystem.*

*TO DO: Write 1-2 paragraphs describing the purpose of this document as explained above.>*

## 1.2 Product Scope

*<Provide a short description of the software being specified and its purpose, including relevant benefits, objectives, and goals.*

*TO DO: 1-2 paragraphs describing the scope of the product. Make sure to describe the benefits associated with the product.>*

## 1.3 Definitions, Acronyms and Abbreviations

*<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations.*

*TO DO: Please provide a list of all abbreviations and acronyms used in this document sorted in alphabetical order.>*

## 1.4 Document Conventions

*<In general this document follows the IEEE formatting requirements. Use Arial font size 11, or 12 throughout the document for text. Use italics for comments. Document text should be single spaced and maintain the 1” margins found in this template. For Section and Subsection titles please follow the template.*

*TO DO:* *Describe any standards or typographical conventions that were followed when writing this SRS, such as fonts or highlighting that have special significance.* *Sometimes, it is useful to divide this section into several sections, e.g., Formatting Conventions, Naming Conventions, etc.>*

## 1.5 References and Acknowledgments

*<List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. >*

# 2 Overall Description

## 2.1 Product Overview

*<Describe the context and origin of the product being specified in this SRS. For example, state whether this product is a follow-on member of a product family, a replacement for certain existing systems, or a new, self-contained product. If the SRS defines a component of a larger system, relate the requirements of the larger system to the functionality of this software and identify interfaces between the two. In this part, make sure to include a simple diagram that shows the major components of the overall system, subsystem interconnections, and external interface. In this section it is crucial that you will be creative and provide as much information as possible.*

*TO DO: Provide at least one paragraph describing product perspective. Provide a general diagram that will illustrate how your product interacts with the rest of the environment and in what context it is being used. This is not a formal diagram, but rather something that is used to illustrate the product at a high level. You may draw this diagram using any online tool>*

## 2.2 Product Functionality

*<Summarize the major functions the product must perform or must let the user perform. Details will be provided in Section 3, so only a high level summary is needed here. These can be at the level given in the project description.>*

*TO DO:*

*Provide a bulleted list of all the major functions of the system. No need to explain them.*

# 3 Specific Requirements

## 3.1 Functional Requirements

*< Functional requirements capture the intended behavior of the system. This behavior may be expressed as services, tasks or functions the system is required to perform. This section is the direct continuation of section 2.2 where you have specified the general functional requirements. Here, you should list in detail the different product functions. It is normal to have 10-15 requirements for each of your projects.*

F1: The system shall … **<Functional Requirement or Feature #**1**>**

F2: The system shall … **<Functional Requirement or Feature #**2**>**

…

## 3.2 Use Case Model

*TO DO: Provide a use case diagram that will encapsulate the entire system and all actors. Please follow UML conventions strictly. You need to study about Use Case Modeling before jumping to draw one. You can use StartUML.*

*<Put usecase diagrams here*

### 3.2.1 Use Case #1 (use case name and unique identifier – e.g. U1)

*TO DO: Provide a specification for each use case diagram. Please refer to similar documents before proceeding to fill this up.*

**Purpose** - What is the basic objective of the use-case. What is it trying to achieve?

**Requirements Traceability –** Identify all requirements traced to this use case - the F*n* numbers from Section 3.1 above

**Actors** – Actors (human, system, devices, etc.) that trigger the use case to execute or provide input to the use case

### 3.2.2 Use Case #2

…