

SE 3XA3: Software Requirements  
Specification  
Title of Project

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Table 1: **Revision History**

Date	Version	Notes
Date 1	1.0	Notes
Date 2	1.1	Notes

This document describes the requirements for ASLingo. The template for the Software Requirements Specification (SRS) is a subset of the Volere template *Robertson And Robertson (2012)*. Subsections *Clients* and *Customers* were removed due to not having any such dependents.

# 1 Project Drivers

## 1.1 The Purpose of the Project

Learning a new language can be an arduous task that only gets more challenging with age, as individuals may find it difficult to dedicate time and effort to it. American Sign Language (ASL) is particularly hard due to its visual and gestural nature, which is not found in other, verbal languages. The purpose of this project is to ease that challenge by providing an online, easy-to-access web platform for individuals to learn new signs and test their comprehension at their own pace in a fun, interactive manner. Focusing in on consistent effort and continuous feedback, ASLingo provides real-time guidance to ensure users stay on track to achieving their goals of learning ASL.

## 1.2 The Stakeholders

The stakeholders for this project include those who use sign language as their primary mode of communication in daily life as well as those who have an interest in learning ASL. This would naturally expand outward towards educators who wish to promote the learning of ASL to their respective institutions.

### 1.2.1 Other Stakeholders

## 1.3 Mandated Constraints

The project is constrained by the following:

- The Project Expenses Cannot Exceed \$750

## 1.4 Naming Conventions and Terminology

Term, Abbreviation, or Acronym	Description
A	Shorthand for Assumption
ASL	Shorthand for American Sign Language. It is a form of sign language primarily used in the US and in parts of Canada
ASLingo	The commerical name for the project

## 1.5 Relevant Facts and Assumptions

User characteristics should go under assumptions.

## **2 Functional Requirements**

### **2.1 The Scope of the Work and the Product**

#### **2.1.1 The Context of the Work**

#### **2.1.2 Work Partitioning**

#### **2.1.3 Individual Product Use Cases**

### **2.2 Functional Requirements**

## **3 Non-functional Requirements**

### **3.1 Look and Feel Requirements**

### **3.2 Usability and Humanity Requirements**

### **3.3 Performance Requirements**

### **3.4 Operational and Environmental Requirements**

### **3.5 Maintainability and Support Requirements**

### **3.6 Security Requirements**

### **3.7 Cultural Requirements**

### **3.8 Legal Requirements**

### **3.9 Health and Safety Requirements**

This section is not in the original Volere template, but health and safety are issues that should be considered for every engineering project.

## 4 Project Issues

### 4.1 Open Issues

### 4.2 Off-the-Shelf Solutions

### 4.3 New Problems

### 4.4 Tasks

### 4.5 Migration to the New Product

### 4.6 Risks

### 4.7 Costs

### 4.8 User Documentation and Training

### 4.9 Waiting Room

### 4.10 Ideas for Solutions

## References

## 5 Appendix

This section has been added to the Volere template. This is where you can place additional information.

### 5.1 Symbolic Parameters

The definition of the requirements will likely call for SYMBOLIC\_CONSTANTS. Their values are defined in this section for easy maintenance.