# CIS11 Course Project Part 1: Documenting the Project

Fill in the following areas (purple).

**Introduction**

* 1. **Purpose**

Summarize program goals and objectives.

* 1. **Intended Audience and Users**

The primary audience/user

* 1. **Product Scope**

What is the intention of this program?

* 1. **Reference**

**Source Documents for the Program Requirements and Specification**

Reference Project requirements and LC-3 specifications.

Input & Output

**2. Overall Description**

**2.1 Product Perspective**

Primary program objectives and goals.

Data type

* 1. **Product Functions**

**The overall description of functionality:**

Highlight the program functionality: Identify tasks and subtasks of the program in summary.

**Technical functionality**

What are the technical functions of the program? Subroutines and operations.

* 1. **User Classes and Characteristics**

**What type of users are involved in this development process? Include business and technical personnel and their tasks.**

* 1. **Operating Environment**

What type of system will the application be operated on? Operating system? System types? Development platform?

How should the application be used? Simulator version?

* 1. **Design and Implementation Constraints**

Note any constraints or limitations to the application.

* 1. **Assumptions and Dependencies**

Note any dependencies.

Is this application dependent on other applications or services? Browser? Web services? Simulator?

***3*. External Interface Requirements**

* 1. **User Interfaces**

How will the user interface with your program? Menus? Console?

* 1. **Hardware Interfaces**

Specify hardware interface – computer types? Terminal types?

* 1. **Software Interfaces**

Specify additional software interface – if any. What type of software will the application require to run?

* 1. Communications Interface

Does your application require web, Internet, or network connectivity? If so, which browser? What type of network connection?

**4. Detailed Description of Functional requirements**

**4.1     Type of Requirement (summarize from Section 2.2)**

**What are the functions? Their purposes? Inputs? Outputs? Data? Where is the data stored (internal or external to the application)?**

**4.2 Performance requirements  
 What is the expected performance level of the program?**

**4.3 Flow Chart OR Pseudocode.**

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