**Your Project Title**

**Alpha Prototype Report**

Your Sponsor



Sponsor logo (if any)

**Mentor(s):**

(Your mentor’s name(s) )

**Your Team’s Name**

(Provide a list of team members)

Course: CptS 421 Software Design Project I

Instructor: Sakire Arslan Ay

**Note**: Recall that this writing assignment says:

Length = 5 pages text + appendixes as needed. Cover page, table of contents, pictures, tables, images, diagrams do not count for the 5 pages text.

As shown in the Syllabus, this assignment carries a weight of 20% for the final course score.

Posted as a single self‐contained file (no links to outside resources.)

Posted as a PDF file.

Typed single‐spaced.

Typed with black text.

Typed with #11 font size.

Typed using Arial font.

Typed with one inch margins on sides, top and bottom.

**Please erase this page in your final document.**

**TABLE OF CONTENTS**

[I. Introduction 4](#_Toc405012232)

[II. Alpha Prototype Description 4](#_Toc405012233)

[II.1. [Subsystem Name] 4](#_Toc405012234)

[II.1.1. Functions and Interfaces Implemented 4](#_Toc405012235)

[II.1.2. Preliminary Tests 4](#_Toc405012236)

[III. Alpha Prototype Demonstration 4](#_Toc405012237)

[IV. Glossary 5](#_Toc405012238)

[V. References 5](#_Toc405012239)

# Introduction

Your introduction should describe your project in sufficient detail such that the alpha-prototype description will be easy to follow.

Add a brief paragraph to the introduction and explain the purpose of this document. Provide a brief outline.

# Alpha Prototype Description

Describe your alpha prototype implementation. Please format this section according to what you think is the best way to describe your prototype. The following is just a suggestion.

Explain what parts/subsystems of your proposed architecture your team started to implement. Mention the current progress at each part, i.e., how much of the proposed functionality you have completed.

For the parts that you already started to work on, explain whether you have tried to integrate them with the rest of system. In other words, explain which of the interfaces in your architecture have you started to implement.

If you have performed any tests on your alpha prototype (or the subsystems of your prototype), briefly explain your findings.

I recommend to include plenty of images and pictures of the following where appropriate:

- any diagrams/figures that visualize various features of your prototype;

- the screenshots of your user interfaces;

- the screenshots of your test programs;

- pictures of your team testing and debugging the devices, programs, etc.

A well-thought and clear diagram is better than long and descriptive text.

For each subsystem that you have implemented in your alpha prototype, you may include the following sub-sections.

## [Subsystem Name]

### Functions and Interfaces Implemented

List and describe the implemented functionality. Explain the remaining work.

### Preliminary Tests

Report any test results for the unit and integration tests that you performed on your prototype. This subsection is a good place to include screenshot images from your tests (if applicable).

# Alpha Prototype Demonstration

Summarize the highlight of your prototype demonstration to your mentor. The items to discuss in this section may include the following. (Please include all other necessary details in addition to the following).

1. Summary of what you showed to your mentor.
2. Your mentor’s comments/suggestions on your prototype.
3. Your mentor’s questions to your team and your responses to those questions.

After testing your prototype and demonstrating it to your mentor, you will have a better idea whether the initial design you proposed earlier will work. Additionally your mentor might suggest modifications to your current design. In this section list and explain all design modifications that you plan to make based on your preliminary test results and mentor comments (if applicable).

# Future Work

List the major tasks for the second semester and briefly explain your plan to complete them.

# Glossary

Define technical terms used in the document.

# References

Cite your references here.

For the papers you cite give the authors, the title of the article, the journal name, journal volume number, date of publication and inclusive page numbers. Giving only the URL for the journal is not appropriate.

For the websites, give the title, author (if applicable) and the website URL.