

Software Requirements Specification

CS 320

Calculation Utility

Version <0.1>

Group Name: “Segmentation Fault: 11”

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Revisions

| Version | Primary Author(s) | Description of Version | Date Completed |
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| Draft, 0.1 | Daniel Rehman, Jake Palmer, Andrew Oakes | Initial Draft of Document | 10/05/18 |

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# Introduction

This project is a Calculation Utility, which allows the user to calculate numbers using a calculator, graph user defined functions, convert existing units to other units, define new units, visualize the unit conversion using graphics, as well as list all current units defined. It is a web appllication written in HTML, CSS, and Javascript.

## Document Purpose

This document serves as a comprehensive overview of version 0.1 of our Calculation Utility project. The project is in its initial stages and ideas are still being formed, so the scope and details of functionality described here are tentative. However, this document will cover the projects details and organization as best as possible.

## Product Scope

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## Intended Audience and Document Overview

The Users of this document are the professor, and the web clients who use the Calculation Utility web application, as well as the developers of this application, which include the members of this project.

## Definitions, Acronyms and Abbreviations

None were used.

## Document Conventions

None were used.

## References and Acknowledgments

None were used.

# Overall Description

## Product Perspective

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## Product Functionality

<>

## Users and Characteristics

< >

## Operating Environment

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## Design and Implementation Constraints

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## User Documentation

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## Assumptions and Dependencies

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# Specific Requirements

## External Interface Requirements

### User Interfaces

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### Hardware Interfaces

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### Software Interfaces

< >

### Communications Interfaces

< >

## Functional Requirements

*<>*

## Behaviour Requirements

### Use Case View

< >

# Other Non-functional Requirements

## Performance Requirements

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## Safety and Security Requirements

<.>

## Software Quality Attributes

<>

# Other Requirements

<This section is **Optional.** Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>

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Appendix A – Data Dictionary

*<Data dictionary is used to track all the different variables, states and functional requirements that you described in your document. Make sure to include the complete list of all constants, state variables (and their possible states), inputs and outputs in a table. In the table, include the description of these items as well as all related operations and requirements.>*

Appendix B - Group Log