

**INTERNATIONAL SCHOOL**

**PROJECT 1**

**CMU-CS 246 FIS**

**USER INTERFACE DESIGN DOCUMENT**

Version: 2.0

**CALCULATE WITH ME SYSTEM**

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**PROJECT INFORMATION**

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# I. INTRODUCTION

## 1. PURPOSE

# This document describes a computer system that includes all the basic calculations and details of the implementation. The purpose of this document is as follows:

# · Support project managers to have an overview of the system and prepare project estimates

# · To describe use cases in detail. Based on this documentation, architectural analysts and designers will be able to implement the system with ease.

# · Support testers (QCs) in writing acceptance tests and test plans.

## 2. SCOPE

# This document helps to understand better the interface of the System, detailed specification components, and function of the System.

# With this document, the development team can understand the structure and composition to create a consistent and complete system.

# Overview of the stages and modules of the software and create a complete interface.

# This document is intended for the following audiences:

# Technical reviewers including:

# Project Managers

# System Architects

# Designers

# Implementers

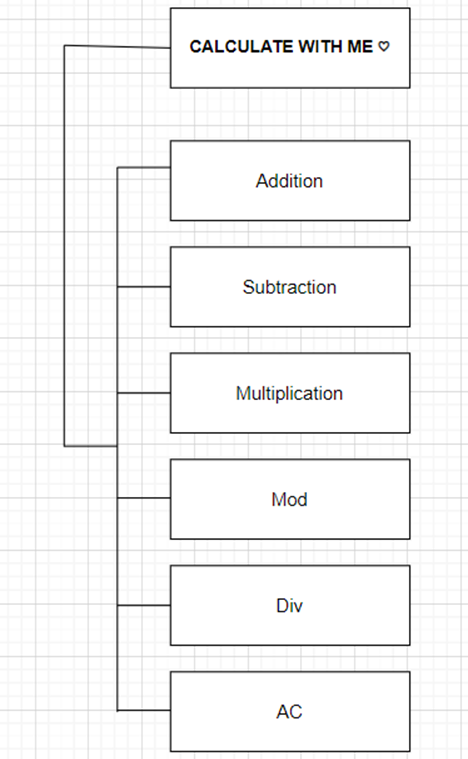
# Developers

# Testers

# 

# II. LIST OF USER INTERFACE

## BUSINESS FUNCTION DIAGRAM:



*Figure 1: Business Function diagram*

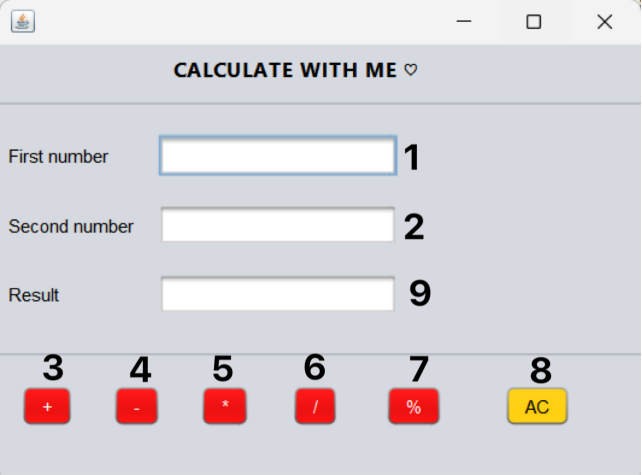
## CALCULATE WITH ME

|  |  |  |
| --- | --- | --- |
| **User Interface ID** | **UI Name** | **Description** |
| UI-01 | Addiction | This use case allows the user to perform an arithmetic "+" operation. |
| UI-02 | Subtraction | This use case allows the user to perform an arithmetic "-" operation. |
| UI-03 | Multiplication | This use case allows the user to perform an arithmetic "\*" operation. |
| UI-04 | Div | This use case allows the user to perform an arithmetic "/" operation. |
| UI-05 | Mod | This use case allows the user to perform an arithmetic "%" operation. |
| UI-06 | AC | This use case allows the user to perform an "AC" or reset operation. |

*Table 1: List of Interface*

# III. DESCRIBE USER INTERFACE

### Interface



1. Describe UI

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Condition** | **Control Type** | **Target** |
| 1 | Press | Input text | Enter the first number |
| 2 | Press | Input text | Enter the second number |
| 3 | Press | Button | Select the “+” button |
| 4 | Press | Button | Select the “-” button |
| 5 | Press | Button | Select the “\*” button |
| 6 | Press | Button | Select the “/” button |
| 7 | Press | Button | Select the “%” button |
| 8 | Press | Button | Select the “AC” button |
| 9 | View | Text Field | Display the results |