

**INTERNATIONAL SCHOOL**

**CAPSTONE PROJECT 1**

**CMU-SE 246**

**USER INTERFACE DESIGN DOCUMENT**

**CALCULATOR SYSTEM – CS**

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**PROJECT INFORMATION**

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**PROJECT PLAN DOCUMENT**

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**SIGNATURE**

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# INTRODUCTION

**1. PURPOSE**

• This document aims to outline the design of the user interface for the functions of the Calculator system.

• It serves as the main reference for implementing the user interfaces.

• It provides an introduction to the interface design, including the background, display of content information, and command buttons.

**2. SCOPE**

• This document helps users better understand the interface of the Calculator system, including detailed specifications of its components and functions.

• With this document, the development team can grasp the system's structure and composition to create a consistent and comprehensive system.

• It provides an overview of the stages and modules of the software and helps create a complete interface.

**3. AUDIENCE**

This document is intended for the following users of the Calculator system:

• Technical reviewers, including:

- Scrum Master

- Product owner

• Implementers, including:

- Developers

- Testers.

# LIST OF USER INTERFACE

## BUSINESS FUNCTION DIAGRAM:

A diagram of a calculator

Description automatically generated

*Figure 1: Business Function diagram*

## WEB APP:

|  |  |  |
| --- | --- | --- |
| **User Interface ID** | **UI Name** | **Description** |
| UI-01 | Menu | Press the menu to display the calculations |
| UI-02 | Choose calculator | Choose the calculations you want |
| UI-03 | Summation | Display the plus calculation interface |
| UI-04 | Subtraction | Display the subtraction calculation interface |
| UI-05 | Multiplication | Display the multiplication calculation interface |
| UI-06 | Division | Display the divison calculation interface |
| UI-07 | Division and get remainder | Display division and get remainder interface |
| UI-08 | Add the first number | This box for the user to enter the first number |
| UI-09 | Add the second number | This box for the user to enter the second number |
| UI-10 | Equal button | The user clicks the equal button so that the screen displays the result |
| UI-11 | Reset button | The user clicks on the reset button so that the system clear the entered data |
| UI-12 | Result | This label will display the result of the calculation |

*Table 1: List of Interface*

# DESCRIBE USER INTERFACE

## LOGIN PAGE

**A screenshot of a computer

Description automatically generated**

**A screenshot of a menu

Description automatically generated**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Condition** | **Control Type** | **Target** |
| 1 | Press | Menu | Select the calculation |
| 2 |  | Summation | Display the plus calculation interface |
| 3 |  | Subtraction | Display the subtraction calculation interface |
| 4 |  | Multiplication | Display the multiplication calculation interface |
| 5 |  | Division | Display the divison calculation interface |
| 6 |  | Division and get remainder | Display ivision and get remainder interface |
| 7 | Add | First number | Add first number |
| 8 | Add | Second number | Add second number |
| 9 | Press | Equal | Display the result |
| 10 | Press | Reset | Clear all input |

Table 2: Describe User Interface Login page