

**INTERNATIONAL SCHOOL**

**CAPSTONE PROJECT 1**

**CMU-SE 450**

**USER INTERFACE DESIGN DOCUMENT**

Version: 1.1

**CALCULATOR SYSTEM - CS**

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# INTRODUCTION

## PURPOSE

* Document the design of user interface of functions of the Calculator
* Be the primary document driving the implementation of the user interfaces.
* Introduce interface design for the reader. Including the background, content information display, command buttons.

## SCOPE

* This document helps to better understand 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.

## AUDIENCE

This document is intended for the following audiences:

* Technical reviewers including:
* Product owner
* Implementers, including:
  + Developers.
  + Testers.

# LIST OF USER INTERFACE

## BUSINESS FUNCTION DIAGRAM:

A diagram of a company

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*Figure 1: Business Function diagram*

## DESKTOP APP:

|  |  |  |
| --- | --- | --- |
| **User Interface ID** | **UI Name** | **Description** |
| UI-01 | Calculator UI | Click on file, activate system will bring user to the main UI of the App, with many Math function available on it |
| UI-02 | Notification Dialog | When user not fill in TextField or fill in value with String type, the System will not accept value and receive a Dialog with Error Notification |

*Table 1: List of Interface*

# DESCRIBE USER INTERFACE

## CALCULATOR MAIN INTERFACE

**A screenshot of a computer

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|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Condition** | **Control Type** | **Target** |
| 1 | Fill in | First “Nhap so” TextField | Enter your First Number |
| 2 | Fill in | Second “Nhap so” TextField below | Enter your Second Number |
| 3 | Press | Button with icon “+” | Click to activate Summation |
| 4 | Press | Button with icon “-” | Click to activate Subtraction |
| 5 | Press | Button with icon “X” | Click to activate Multiplication |
| 6 | Press | Button with icon “/” | Click to activate Divide |
| 7 | Press | Button with icon “%” | Click to activate Divide with Remaider |
| 8 | Press | Button with icon “AC” | Click to reset all value and result |

Table 2: Describe Calculator main interface

## ERROR DIALOG

A screenshot of a computer

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A screenshot of a computer

Description automatically generated

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Condition** | **Control Type** | **Target** |
| 1 | Press | Dialog with Notification | Click “OK” to close the Dialog |

Table 3: Describe Error Dialog