

**INTERNATIONAL SCHOOL**

**CAPSTONE PROJECT 1**

**CMU-CS 246**

**USER INTERFACE DESIGN DOCUMENT**

Version: 1.0

**CALCULATOR SYSTEM – CS**

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# INTRODUCTION

## PURPOSE

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

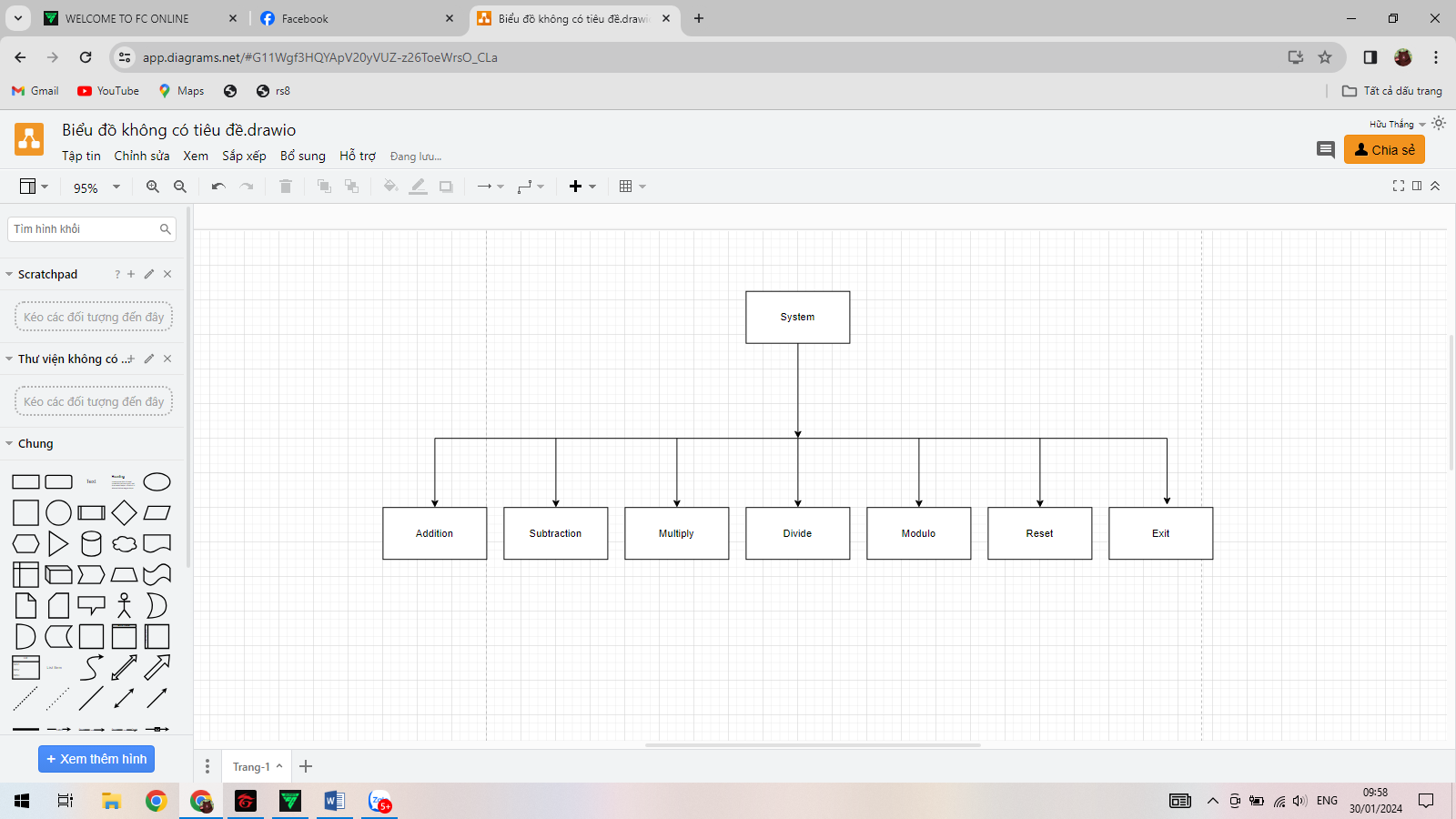
## SCOPE

This document is intended for the following audiences:

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

# LIST OF USER INTERFACE

## BUSINESS FUNCTION DIAGRAM:



## CALCULATOR SYSTEM:

| **User Interface ID** | **UI Name** | **Description** |
| --- | --- | --- |
| UI-01 | Addition | 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 | Divide | This use case allows the user to perform an arithmetic "/" operation. |
| UI-05 | Modulo | This use case allows the user to perform an arithmetic "%" operation. |
| UI-06 | Reset | This use case allows the user to perform an or reset operation. |
| UI-07 | Exit | This use case allows the user exit from calculator system |

# DESCRIBE USER INTERFACE

## 1. INTERFACE:

# 

## 2. DESCRIBE UI:

| **ID** | **Condition** | **Control Type** | **Target** |
| --- | --- | --- | --- |
| 1 | Press | Textfield | Enter number A |
| 2 | Press | Textfield | Enter number B |
| 3 | Press | Button | Click to “+” button to plus 2 number A and number B |
| 4 | Press | Button | Click to “-” button to subtract 2 number A and number B |
| 5 | Press | Button | Click to “\*” button to multiply 2 number A and number B |
| 6 | Press | Button | Click to “/” button to divide 2 number A and number B |
| 7 | Press | Button | Click to “%” button to modulo 2 number A and number B |
| 8 | None | Textfield | Display the result of calculations |
| 9 | Press | Button | Click to “Reset” button to reset the calculation |
| 10 | Press | Button | Click to “Exit” button to exit calculator system |