

**INTERNATIONAL SCHOOL**

**PROJECT 1**

**CMU-CS 246 HIS**

**USER INTERFACE DESIGN DOCUMENT**

Version: 1.0

SOFTWARE TO SUPPORT CALCULATIONS

**Mentor:  Nguyen Dang Quang Huy**

***Team Member*:**

Hoa, Nguyen Bui Ngoc

Hung, Vo Phi

Vu ,Thai Duy

Toan, Kim Ngoc Viet

Hoang, Tran Mai Huy

Trang, Pham Minh

**Approved by Huy Nguyen Dang Quang**

**User Interface Review Panel Representative:**

Name Signature Date

**Project 1 - Mentor:**

Name Signature Date

Feb 25, 2024

**PROJECT INFORMATION**

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| **Team Member** | **Name** | **Email** | **Phone** |
| 28211103677 | Nguyen Bui Ngoc Hoa | Ngochoa.nguyenbui@gmail.com | 0838027090 |
| 28219004252 | Vo Phi Hung | Vophihung1104@gmail.com | 0342738836 |
| 28219020225 | Thai Duy Vu | Thaiduyvu0401@gmail.com | 0901125881 |
| 28218132923 | Kim Ngoc Viet Toan | Toankim633@gmail.com | 0779473633 |
| 28210206131 | Tran Mai Huy Hoang | Tranmaihuyhoang2k4.com | 0935417964 |
| 28204632177 | Pham Minh Trang | Pmtrang04@gmail.com | 0911855450 |

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| --- | --- | --- | --- |
| **Mentor** | Huy, Nguyen Dang Quang | **Signature:** |  |
| **Date:** |  |

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1. **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 in writing acceptance tests and test plans.

**2.** **SCOPE**

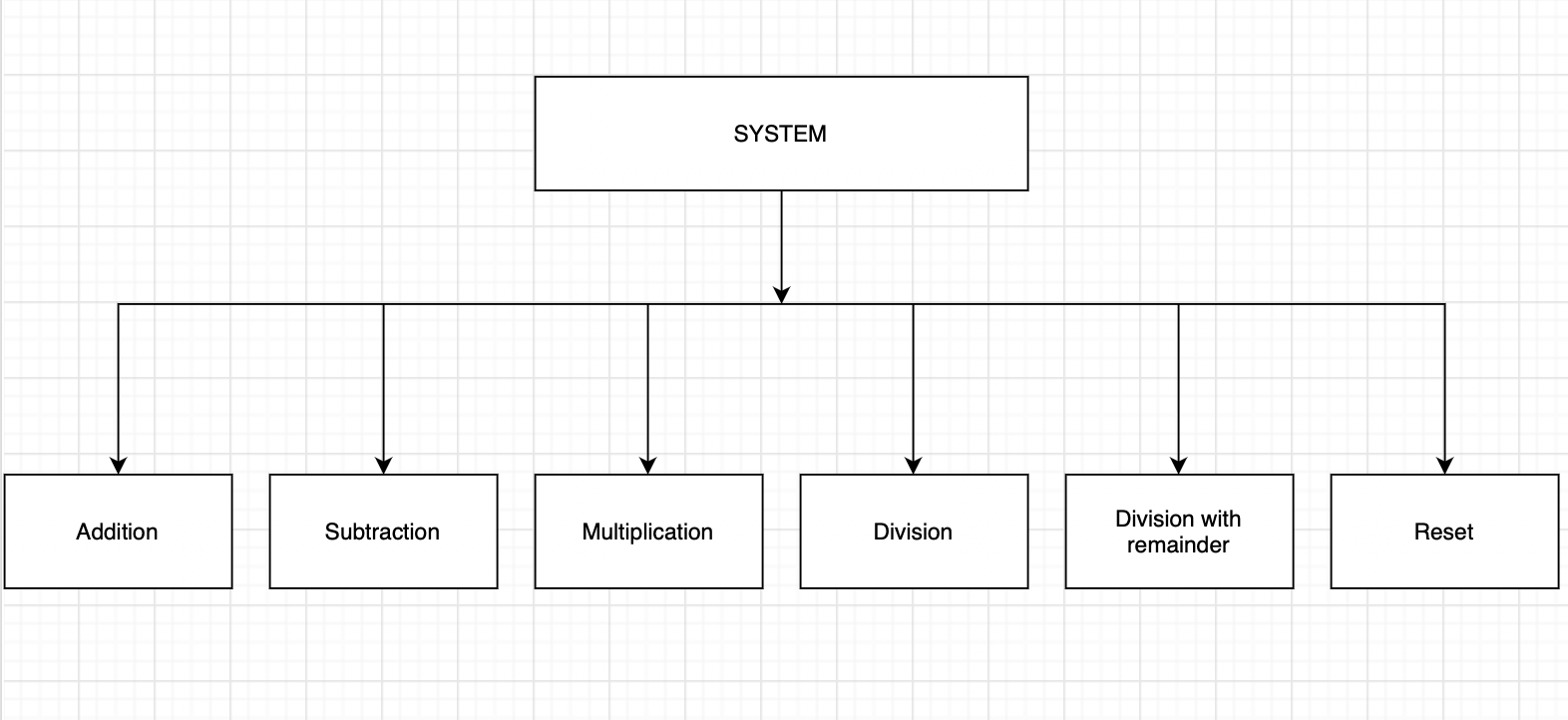
* This document helps to understand better the interface of the System, detailed specification components, and function of the System.
* With this document, the development team can understand the structure and composition to create a consistent and complete system.
* Overview of the stages and modules 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**

1. **BUSINESS FUNCTION DIAGRAM:**



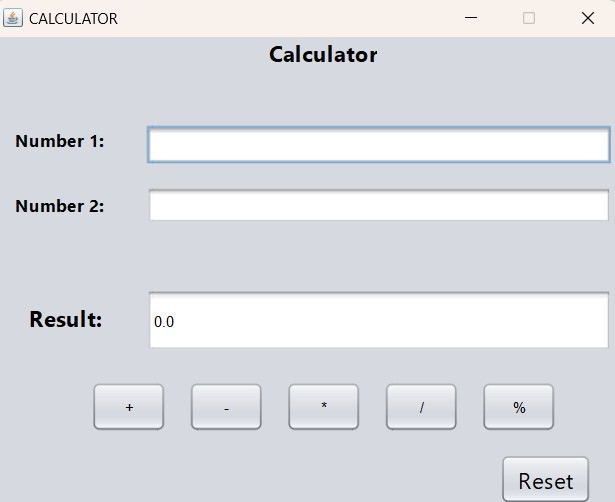
1. **SOFTWARE TO SUPPORT CALCULATIONS**

|  |  |  |
| --- | --- | --- |
| **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 | Reset | This use case allows the user to perform an reset operation. |

*Table 1: List of Interface*

**III. DESCRIBE USER INTERFACE**

1. 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 “Reset” button |
| 9 | View | Text Field | Display the results |