

**INTERNATIONAL SCHOOL**

**PROCESS**

**CMU-CS 246 BIS**

**PROJECT PLAN DOCUMENT**

Version: 1.1

**CALCULATOR SYSTEM – CS**

**Mentor: Nguyen Dang Quang Huy**

***Team Member*:**

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Hieu, Tran Quang

Huy, Huynh Duc

Kien, Nguyen Trung

Cuong, Vo Hung

**Approved by Huy Nguyen Dang Quang**

Da Nang, 01/2024

**PROJECT INFORMATION**

|  |  |
| --- | --- |
| **Project Acronym** | CS |
| **Project Title** | Calculator System | | | | |
| **Start Date** | Jan 20, 2024 | **End Date** | | Jan 27, 2024 | |
| **Lead Institution** | International School, Duy Tan University | | | | |
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**PROJECT PLAN DOCUMENT**

|  |  |  |  |
| --- | --- | --- | --- |
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| **Author(s)** | Team 2 | | |
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**SIGNATURE**

**Document Approvals:** The following signatures are required for approval of this document.

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**REVISION HISTORY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Person(s)** | **Date** | **Description** |
| **1.0** | All members | Jan 21st, 2024 | Draf |
| **1.1** | Nghia, Bui Thanh | Jan 25nd, 2024 | Final |
| **2.0** | Nghia, Bui Thanh | Feb 29th, 2024 | Update |

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# 1. PROJECT DESCRIPTION

|  |  |  |  |
| --- | --- | --- | --- |
| **Project code** | CS | **Contract type** | Internal Project |
| **Customer** | N/A | **End-user** | Staff |
| **Project type** | Internal | **Project Manager** | Nghia, Bui Thanh |
| **Project category** | calculator | **Business Domain** | Software |
| **Application type** | Java Swing Application |  |  |

Table 1: Project Description

The Calculation System is a versatile and user-friendly software designed for a wide range of computational tasks. Similar to a calculator, it offers efficient and accurate solutions for numerical calculations across various domains. Whether you're dealing with complex equations, financial calculations, or data analysis, the Calculation System provides a reliable platform to perform computations with ease. Its intuitive interface and robust functionality make it an essential tool for professionals and individuals seeking precision in their mathematical and analytical processes.

# 2. **DETAILED SCHEDULE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | **Duration (Days)** | **Start** | **Finish** | **Assign to** |
| **1** | **Intitial** | **5 day** | **20/01/2024** | **24/01/2024** | **Nghĩa, Huy, Hiếu, Kiên, Cường** |
| 1.1 | Make Defined Process Document | 1 day | 20/01/2024 | 20/01/2024 | Nghĩa |
| 1.2 | Make Project Plan Document | 2 days | 21/01/2024 | 22/01/2024 | Nghĩa |
| 1.3 | Requirement Definition | 1 day | 22/01/2024 | 22/01/2024 | Nghĩa, Huy, Hiếu, Kiên, Cường |
| 1.3.1 | Write Use-Case Specification for the Addition fuction | 1 day | 22/01/2024 | 22/01/2024 | Kiên |
| 1.3.2 | Write Use-Case Specification for the Subtraction fuction | 1 day | 22/01/2024 | 22/01/2024 | Hiếu |
| 1.3.3 | Write Use-Case Specification for the Multiplication fuction | 1 day | 22/01/2024 | 22/01/2024 | Huy |
| 1.3.4 | Write Use-Case Specification for the Division fuction | 1 day | 22/01/2024 | 22/01/2024 | Cường |
| 1.3.5 | Write Use-Case Specification for the Division with Remainder fuction | 1 day | 22/01/2024 | 22/01/2024 | Nghĩa |
| 1.3.6 | Summary of Use-Case Specifications | 1 day | 22/01/2024 | 22/01/2024 | Nghĩa |
| 1.4 | Make SRS Document | 2 days | 23/01/2024 | 24/01/2024 | Hiếu, Huy |
| 1.4.1 | Create Document for Section 1, 2.1, 2.2, 2.3 | 2 days | 23/01/2024 | 24/01/2024 | Huy |
| 1.4.2 | Create Document for Section 2.4 | 2 days | 23/01/2024 | 24/01/2024 | Hiếu |
| 1.5 | Review SRS Document | 1 day | 24/01/2024 | 24/01/2024 | Nghĩa, Huy, Hiếu, Kiên, Cường |
| **2** | **Design** | **2 days** | **24/01/2024** | **25/01/2024** | **Nghĩa, Huy, Hiếu, Kiên, Cường** |
| 2.1 | Design UI for functions | 1 day | 24/01/2024 | 24/01/2024 | Nghĩa, Huy, Hiếu, Kiên, Cường |
| 2.1.1 | Design UI for the Menu | 1 day | 24/01/2024 | 24/01/2024 | Nghĩa |
| 2.1.2 | Design UI for the Addition | 1 day | 24/01/2024 | 24/01/2024 | Kiên |
| 2.1.3 | Design UI for the Subtraction | 1 day | 24/01/2024 | 24/01/2024 | Hiếu |
| 2.1.4 | Design UI for the Multiplication | 1 day | 24/01/2024 | 24/01/2024 | Huy |
| 2.1.5 | Design UI for the Division | 1 day | 24/01/2024 | 24/01/2024 | Cường |
| 2.1.6 | Design UI for the Division with Remainder | 1 day | 24/01/2024 | 24/01/2024 | Nghĩa |
| 2.2 | Make UI Document | 1 day | 25/01/2024 | 25/01/2024 | Kiên, Cường |
| 2.2.1 | Create UI Document for Section I, II | 1 day | 25/01/2024 | 25/01/2024 | Kiên |
| 2.2.2 | Create UI Document for Section III | 1 day | 25/01/2024 | 25/01/2024 | Cường |
| 2.2.3 | Review UI Document | 1 day | 25/01/2024 | 25/01/2024 | Nghĩa, Huy, Hiếu, Kiên, Cường |
| **3** | **Coding** | **2 days** | **25/01/2024** | **26/01/2024** | **Nghĩa, Huy, Hiếu, Kiên, Cường** |
| 3.1 | Coding Functions | 1 day | 25/01/2024 | 26/01/2024 | Nghĩa, Huy, Hiếu, Kiên, Cường |
| 3.1.1 | [Back End] Menu | 1 day | 25/01/2024 | 25/01/2024 | Nghĩa |
| 3.1.2 | [Back End] Addition | 2 days | 25/01/2024 | 26/01/2024 | Kiên |
| 3.1.3 | [Back End] Subtraction | 2 days | 25/01/2024 | 26/01/2024 | Hiếu |
| 3.1.4 | [Back End] Multiplication | 2 days | 25/01/2024 | 26/01/2024 | Huy |
| 3.1.5 | [Back End] Division | 2 days | 25/01/2024 | 26/01/2024 | Cường |
| 3.1.6 | [Back End] Division with remainder | 2 days | 25/01/2024 | 26/01/2024 | Nghĩa |
| 3.2 | Integration | 1 day | 26/01/2024 | 26/01/2024 | Nghĩa |
| **4** | **Testing** | **2 days** | **26/01/2024** | **27/01/2024** | **Nghĩa, Huy, Hiếu, Kiên, Cường** |
| 4.1 | Testing Functions | 1 day | 26/01/2024 | 26/01/2024 | Nghĩa, Huy, Hiếu, Kiên, Cường |
| 4.1.1 | Create Test-Cases for Addition | 1 day | 26/01/2024 | 26/01/2024 | Nghĩa |
| 4.1.2 | Create Test-Cases for Subtraction | 1 day | 26/01/2024 | 26/01/2024 | Kiên |
| 4.1.3 | Create Test-Cases for Multiplication | 1 day | 26/01/2024 | 26/01/2024 | Hiếu |
| 4.1.4 | Create Test-Cases for Division | 1 day | 26/01/2024 | 26/01/2024 | Huy |
| 4.1.5 | Create Test-Cases for Division with Remaider | 1 day | 26/01/2024 | 26/01/2024 | Cường |
| 4.2 | Summary of Test-Cases | 1 day | 27/01/2024 | 27/01/2024 | Nghĩa |
| 4.3 | Review Test - Cases | 1 day | 27/01/2024 | 27/01/2024 | Nghĩa, Huy, Hiếu, Kiên, Cường |
| **5** | **Finish Project Part 1** | **1 day** | **27/01/2024** | **27/01/2024** | **Nghĩa, Huy, Hiếu, Kiên, Cường** |
|  | **Duration Part 1** | **8 days** | **20/01/2024** | **27/01/2024** | **Nghĩa, Huy, Hiếu, Kiên, Cường** |
| **6** | **Initial 2** | **1 day** | **27/01/2024** | **27/01/2024** | **Nghĩa, Huy, Hiếu, Kiên, Cường** |

Table 2: Detailed Schedule