

**INTERNATIONAL SCHOOL**

**CAPSTONE PROJECT 1**

**CMU-CS 246**

**PROJECT PLAN DOCUMENT**

Version: 1.1

**CALCULATOR SYSTEM – CS**

**Mentor: Nguyen Dang Quang Huy**

***Team Member*:**

Pham Ngoc Trung

Mai Hoang Tung

Phan Quang Trung

Nguyen Quang Thong

Tran Quoc Hoang

**Approved by Nguyen Dang Quang Huy**

**Project Plan Review Panel Representative:**

Name Signature Date

**Capstone Project 1- Mentor:**

Name Signature Date

Da Nang, 25/2024

**PROJECT INFORMATION**

|  |  |
| --- | --- |
| **Project Acronym** | CS |
| **Project Title** | CALCULATOR SYSTEM | | | |
| **Start Date** | 25 – Jan – 2024 | **End Date** | 31 – Jan – 2024 | |
| **Lead Institution** | International School, Duy Tan University | | | |
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**PROJECT PLAN DOCUMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Title** | Project Plan Document | | |
| **Author(s)** | CMU-CS 246 HIS Team 3 | | |
| **Date** | Jan 25th, 2024 | **File name:** | PROJECT PLAN DOCUMENT.docx |
| **URL** | https://drive.google.com/drive/folders/1VBFtGWBCnRpGMqdGtfbFpeBkVWMBZLLa?fbclid=IwAR1yayEYbziiTyqEZzhwuKG9GyvX8ZI8rmHJ\_P-HtsoFvXtxV--5uHZpb4c | | |
| **Access** | Project and CMU Program | | |

**SIGNATURE**

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

|  |  |  |  |
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| **Mentor** | Nguyen Dang Quang Huy | **Signature:** |  |
| **Date:** |  |
| **Scrum master** | Nguyen Quang Thong | **Signature:** |  |
| **Date:** |  |
| **ProDuct**  **Owner** | Nguyen Dang Quang Huy | **Signature:** |  |
| **Date:** |  |
| **Team member(s)** | Hoang Mai Tung | **Signature:** |  |
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| Phan Quang Trung | **Signature:** |  |
| **Date:** |  |
| Tran Quoc Hoang | **Signature:** |  |
| **Date:** |  |

**REVISION HISTORY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Person(s)** | **Date** | **Description** |
| **1.0** | Pham Ngoc Trung | Apr 25th, 2024 | Draf |
| **2.0** | Pham Ngoc Trung | Apr 03rd, 2024 | Final |

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# PROJECT DESCRIPTION

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| --- | --- | --- | --- |
| **Project code** | CS | **Contract type** | Internal Project |
| **Customer** | N/A | **End-user** | Duy Tan’s students |
| **Project type** | Internal | **Project Manager/**  **Scrum Master** | Nguyen Quang Thong |
| **Project category** | Calculation | **Business Domain** | AI |
| **Application type** | Winform |  |  |

***Table 1:*** *Project Description*

A calculating engine is a software or electronic device designed to perform arithmetic, algebraic, and other computational functions. Calculations can be performed through basic operations such as addition, subtraction, multiplication, and division, to more complex operations such as derivatives, analysis, and allowed mathematical statistics. The most common computing tool is a personal computer, but can also be mobile devices such as smartphones or tablets. This tool plays an important role in many fields such as science, engineering, finance and education, helping to increase efficiency and accuracy in the calculation and data analysis process.

# DETAILED SCHEDULE

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | **Days** | **Start** | **Finish** | **Assign to** |
| **1** | **Initial** | **2 days** | 22/02/2024 | **23/02/2024** | **All members** |
| 1.1 | Project Kick-off Meeting  Discuss about project ideal | 1 day | 22/02/2024 | 23/02/2024 | All members |
| 1.2 | Create Project Plan Document | 1 day | 22/02/2024 | 23/02/2024 | PhamTrung |
| **2** | **Requirement** | **2 day** | **23/02/2024** | **24/02/2024** | **Tung,Hoang,Trung** |
| 2.1 | Make Definded Process Document | 3 hours | 23/02/2024 | 24/02/2024 | Pham Trung |
| 2.2 | Make SRS Document | 3 hours | 23/02/2024 | 24/02/2024 | Hoang,Thong |
| **3** | **Analysist and Design** | **1 day** | **24/02/2024** | **24/02/2024** | **All members** |
| 3.1 | Design UI for Homepage | 1 hours | 24/02/2024 | 24/02/2024 | Q.Trung |
| 3.2 | Design UI for code function delete from right to left | 10 mins | 24/02/2024 | 24/02/2024 | Pham Trung |
| 3.3 | Design UI for code function delete from left to right | 20 mins | 24/02/2024 | 24/02/2024 | Q.Trung |
| 3.4 | Design UI for code function square root | 15 mins | 24/02/2024 | 24/02/2024 | Tung |
| 3.5 | Design UI for code function delete all | 15 mins | 24/02/2024 | 24/02/2024 | Hoang |
| 3.6 | Design UI for code function Exponential | 30 mins | 24/02/2024 | 24/02/2024 | Q.Thong |
| 3.7 | Make User Interface Design Document | 3 hours | 24/02/2024 | 24/02/2024 | Pham Trung |
| **4** | **Code** | **2 days** | **25/01/2024** | **26/01/2024** | **All members** |
| 4.1 | Code function delete from right to left | 1 hours | 25/02/2024 | 25/02/2024 | Pham Trung |
| 4.2 | Code function delete from left to right | 1 hours | 25/02/2024 | 25/02/2024 | Q.Trung |
| 4.3 | Code function square root | 1 hours | 26/02/2024 | 26/02/2024 | Tung |
| 4.4 | Code function delete all | 1 hours | 26/02/2024 | 26/02/2024 | Hoang |
| 4.5 | Code function Exponential | 40 mins | 26/02/2024 | 26/02/2024 | Q.Thong |
| **5** | **Test** | **3 day** | **01/04/2024** | **02/04/2024** | **All members** |
| 5.1 | Write test case and test for 🡨function | 1 hours | 01/04/2024 | 02/04/2024 | Tung |
| 5.2 | Write test case and test for 🡪function | 1 hours | 01/04/2024 | 02/04/2024 | Tung |
| 5.3 | Write test case and test for X^2 function | 1 hours | 02/04/2024 | 02/04/2024 | Tung |
| 5.4 | Write test case and test for delete all function | 1 hours | 02/04/2024 | 03/04/2024 | Tung |
| 5.5 | Write test case and test for square root function | 1 hours | 03/04/2024 | 03/04/2024 | Tung |
| **6** | **End Project** | **1 day** | **04/04/2024** | **04/04/2024** | **Thong** |
| 6.1 | Final Submission | 40 mins | 04/04/2024 | 04/04/2024 | Thong |
|  | **Duration** | **8** | **04/04/2024** | **04/04/2024** | **All members** |

***Table 2:*** *detail schedule*

# REFERENCES

1. <https://www.atlassian.com/agile/scrum>
2. [https://www.cprime.com/resources/whatis-agile-what-is-scrum/](https://www.cprime.com/resources/what-is-agile-what-is-scrum/)
3. <https://www.agilealliance.org/agile101/>
4. <https://fnb.mysapo.vn/admin/authorization/login>
5. <https://phanmemtinhluong.com/phan-mem-quan-ly-suat-an-cong-nghiep/>