

**SCHOOL INTERNATIONAL**

**COURSE PROJECT 1**

**CMU-CS 246 HIS**

**DEFINED PROCESS DOCUMENT**

Version: 1.1

**E - CALCULATOR APPLICATION – ECA**

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Da Nang, 01/2024

**PROJECT INFORMATION**

| **Project Acronym** | ECA |
| --- | --- |
| **Project Title** | E – Calculator Application | | | |
| **Start Date** | Jan 25th, 2024 | **End Date** | Feb 22th, 2024 | |
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**PROJECT PLAN DOCUMENT**

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**REVISION HISTORY**

| **Version** | **Person(s)** | **Date** | **Description** |
| --- | --- | --- | --- |
| **1.0** | All members | Jan 26th, 2024 | Draft |
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**Figuare**

**Figure1: Waterfall Process.............................................................................................5**

# 1. PROJECT DESCRIPTION

| **Project code** | ECA | **Contract type** | Internal Project |
| --- | --- | --- | --- |
| **Customer** | N/A | **End-user** | User |
| **Project type** | Internal | **Leader** | Quy, Tran |
| **Project category** | Electronic Calculator | **Business Domain** | Tools |
| **Application type** | Winform Application |  |  |

# 2. PROJECT DEVELOPMENT APPROACH

## 2.1. TECHNICAL PROCESS

We use waterfall methodology in our project, besides using software tools to manage work, assign tasks to team members such as Trello, Slack, Google Drive, Discord, and Source code management tools like git. And for project requirements, we use the Java for winform development with the text document to save database.

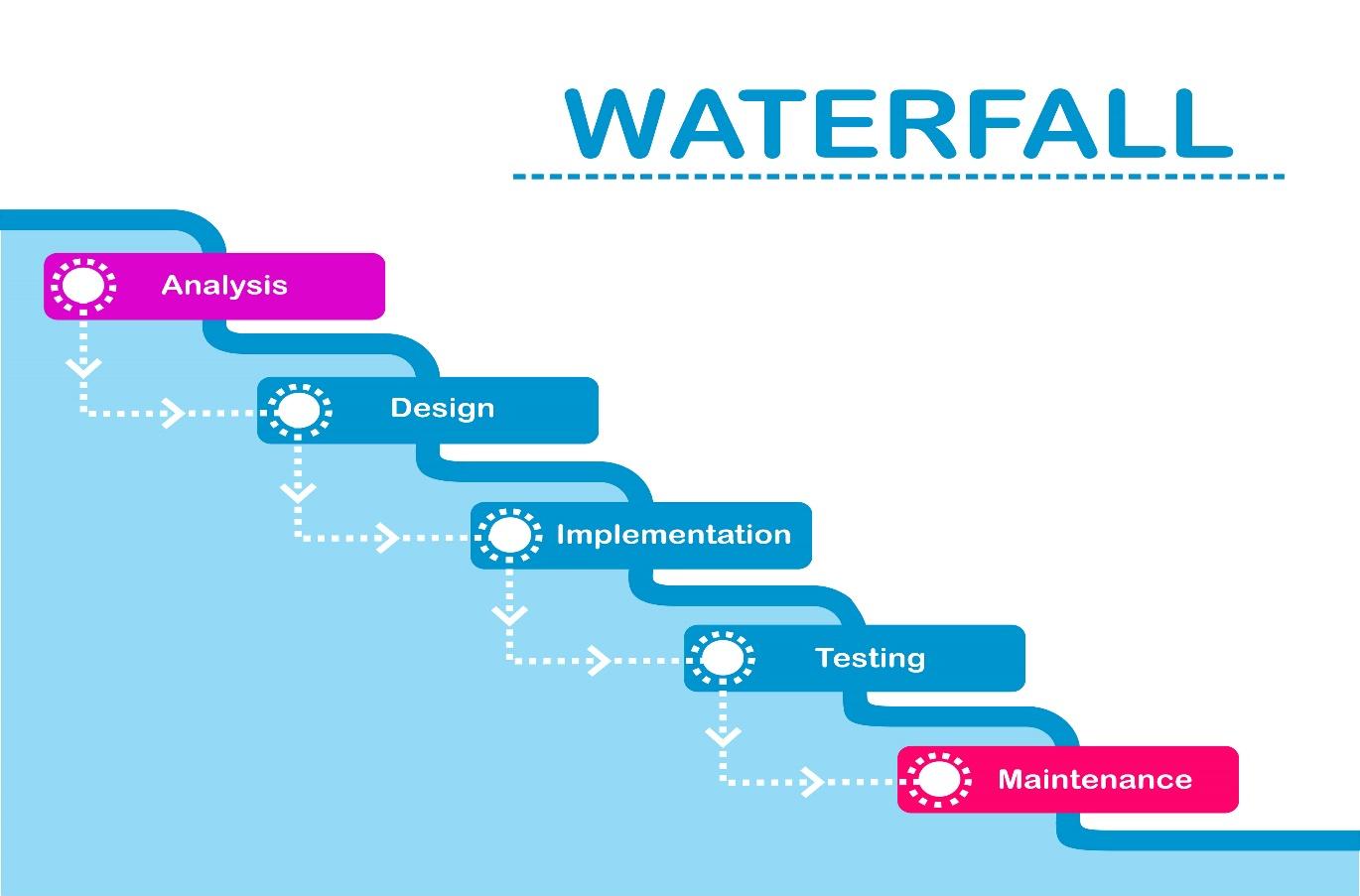
## 2.1.1. REASON FOR SELECTING

Waterfall model is known as one of the easiest to understand project management models today, the Waterfall model is a project management method based on a sequential design process. The Waterfall method allows implementing changes at the early stages of the application quite easily for Junior Developers who have no experience in developing software projects.

## 2.1.2. WATERFALL METHODOLOG

Waterfall methodology is a linear and sequential approach to software development and project management. It follows a structured, step-by-step process where progress is seen as flowing steadily downwards through phases, much like a waterfall.

## 2.1.3. WATERFALL PROCESS



**Figure1:** Waterfall Process

* **Requirements:**
  + Gather and document all the requirements for the project.
* **Design:**
  + Create a detailed system design based on the gathered requirements.
* **Implementation (Coding):**
  + Develop the software based on the designed system.
* **Testing:**
  + Conduct testing to identify and fix defects and issues.
* **Maintenance:**
  + Provide ongoing maintenance and support for the software

# 3. REFERENCES

1. <https://www.atlassian.com/agile/project-management/waterfall-methodology>
2. <https://www.techtarget.com/searchsoftwarequality/definition/waterfall-model>