TITLE OF YOUR SYSTEM

Category

Laboratory Activity 2

A Laboratory Activity Prepared

for **CS 322: Software Engineering**

Submitted by:

**Last Name, First Name MI**

**Last Name, First Name MI**

**Last Name, First Name MI**

**Last Name, First Name MI**

CS 3204

Submitted to:

**Ms. FATIMA MARIE P. AGDON, MSCS**

Course Instructor

March 10, 2025

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# 

# SYSTEM OVERVIEW

Provide a clear and concise summary of the system including:

## System Name and Purpose

What does the system do?

## Target Users

Who will use this system?

## Key Features

List the major functionalities of your system, providing short descriptions.

## Relevance to Sustainable Development Goal

Justify how the system is aligned to a Sustainable Development Goal.

# UML DIAGRAMS

Provide the UML Diagram necessary in describing your system design. Label the figures properly. It must be placed above the image and follows this structure:

**Figure Number**

*Figure Name*

Ensure that your figures are of high quality, clear, and readable. You may use this [diagramming and flowcharting tool](https://app.diagrams.net/).

## Class Diagram

## Sequence Diagram

## Other Diagrams (if applicable)

Activity Diagrams or Use Case Diagrams if they add clarity.

# CODE IMPLEMENTATION SUMMARY

## Programming Language and Frameworks Used

## Key Components

Provide an overview of the major classes or modules.

## UML Translation to Code

Show how the UML elements were implemented in code.

# CHALLENGES AND SOLUTIONS

Discuss problems encountered during the development, and how the team resolved them.

* Identify key challenges like issues in design, coding, debugging, collaboration, etc.
* Explain how your problems were addressed.
* What did the team learn from these challenges?

# REFERENCES

To maintain academic integrity and proper crediting of sources, the APA 7th Edition format must be followed.

# ACKNOWLEDGMENT