College Finance Department Digital Twin

Requirements Document

Integrative Software Engineering class – 10143

# Introduction

* A system that simulates the digital twin of a college financial department will serve to manage the budgets and assist the administrative staff.

## Purpose of system

* The system will know how to display the college’s income and expenses, salary payments to lecturers. The system will allow students to keep track of payments to the college, make a payment and send receipts after payment.

## Scope of System

# Actors and Goals

* Primary Actor
  + Student
  + Worker
  + Office worker
* Support Actor
  + Bank
  + Credit card center

# Diagram Description automatically generatedFunctional Requirements

## Use Case Diagram

## Use Case Details

* + 1. 
    2. 











# Non-Functional Requirements

|  |  |  |
| --- | --- | --- |
| Requirement number | Requirement description | Requirement type |
| 1 | No need for special instructions for using the system. | Usability |
| 2 | Real time availability of information stored in the database. | Reliability |
| 3 | 90% of queries and requests receive a response within 5 seconds. | Performance |
| 4 | Full support of chosen operations for students, workers, and office workers. | Supportability |