



# DCIT308 GROUP PROJECT

Pharmacy Management System Project

<b>STUDENT NAMES</b>	<b>STUDENT ID</b>
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## Introduction

### Pharmacy Management System project

In this semester project, we were tasked with creating a pharmacy management system for a local pharmacy. This project required the use of various data structures such as LinkedLists, lists, stacks, arrays, and queues to implement the application. Additionally, appropriate searching and sorting algorithms were to be used to search through the database for specific items and to sort items in alphabetical order.

### Description

The pharmacy management system developed in this project allows pharmacists to efficiently manage their inventory and transactions. The system includes functionalities to:

- ❖ Add drugs
- ❖ Search for a drug
- ❖ View all drugs and their suppliers
- ❖ View the purchase history for each drug, including detailed information on the time, date, and buyer

The project not only provided practical experience in implementing data structures and algorithms but also aimed to enhance our skills in software development, teamwork, and project management.

### Group Meeting Attendance

#### Attendance List for Group Meetings

Date	Time	Meeting Agenda	Members Present
17-06-2024	10:00 AM	Project Planning	Amos, John, Amina, Courage, Daniel, Richard, Rebecca
19-06-2024	12:00 PM	System Design Discussion	Amos, John, Amina, Courage, Daniel, Richard, Rebecca

21-06-2024	09:00 AM	Implementation Phase 1	Amos, John, Amina, Courage, Daniel, Richard, Rebecca
24-06-2024	12:00 PM	Implementation Phase 2	Amos, John, Amina, Courage, Daniel, Richard, Rebecca
28-06-2024	09:00 AM	Testing and Final Adjustments	Amos, John, Amina, Courage, Daniel, Richard, Rebecca

### Group Member Contributions

#### Contribution Report

The group leader ensured that each member participated fully in the project. Below is the percentage contribution of each group member:

**Name:** ABDUL-MAJEED AMINA

**Student ID:** 10965487

**Role:** Project Manager

**Contribution:** Coordinated meetings, managed timelines, and report writing.

**Contribution Percentage:** 13%

**Name:** MOTTEY KOJO ABABIO AMOS

**Student ID:** 10987142

**Role:** Led Developer

**Contribution:** Led coding efforts, designed database schema

**Contribution Percentage:** 20%

**Name:** TUTU MAWUFEMOR YAO JOHN

**Student ID:** 10978644

**Role:** UI/UX Designer

**Contribution:** Designed user interfaces and conducted user testing.

**Contribution Percentage:** 15%

**Name:** COURAGE ADZEWODA

**Student ID:** 10962382

**Role:** Quality Assurance

**Contribution:** Tested functionalities and ensured bug fixing.

**Contribution Percentage:** 13%

**Name:** SANDO REBECCA LAMISI

**Student ID:** 10948151

**Role:** Documentation Specialist

**Contribution:** Prepared project documentation and created a user manual.

**Contribution Percentage:** 13%

**Name:** ADJEI DANIEL JUNIOR

**Student ID:** 10970871

**Role:** Backend Developer

**Contribution:** Developed backend functionalities, integrated database

**Contribution Percentage:** 13%

**Name:** DJIRACKOR RICHARD

**Student ID:** 10965604

**Role:** Frontend Developer.

**Contribution:** Developed frontend interfaces and implemented design.

**Contribution Percentage:** 13%