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PROJECT TITLE CONTRACT MONTHLY CLAIM SYSTEM

PORTFOLIO OF EVIDENCE PART 1

MODULE NAME PROGRAMMING 2B

MODULE CODE PROG6212

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DATE 28 AUGUST 2025

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# INTRODUCTION

The purpose of this project is to design and develop a .NET WPF application called the Contract Monthly Claim System (CMCS).

## What is CMCS

The contract Monthly system is designed to streamline the process of claim submission, verification, and approval. It is tailored for lectures, program coordinators, academic managers

### Project objective

My goal is to create an efficient, reliable, and user-friendly system that simplifies the claim process while ensuring transparency and accuracy for all stakeholders.

# Design explanations

The design of the Contract Monthly Claim System (CMCS) was guided by the need to make the process of submitting and approving claims clear, user-friendly, and role based. The system is built in WPF because it allows for modern and attractive user interfaces with support for custom styles and branding.

## Database Structure

The database was designed around three main groups of users: lecturers, coordinators, and managers.

* Lecturers can submit claims and upload supporting documents.
* Coordinators can review and verify claims.
* Managers can approve or reject claims after review.

The Claims table links all these roles by recording details of hours worked, rates, total amounts, and approval status. Supporting documents are stored in a separate table so that each claim can have multiple attachments. This structure ensures data integrity, separation of roles, and easy tracking of claim progress.

## GUI Layout

The GUI was designed with three dashboards to separate the views for different roles. The landing page gives users the choice to enter as a Lecturer, Coordinator, or Manager. Each dashboard is color-coded and uses icons to make navigation easier. This role-based separation ensures that users only see the features relevant to their role. For example:

* Lecturers can only submit and view their own claims.
* Coordinators can view all lecturer submissions and verify them.
* Managers can approve or reject verified claims.

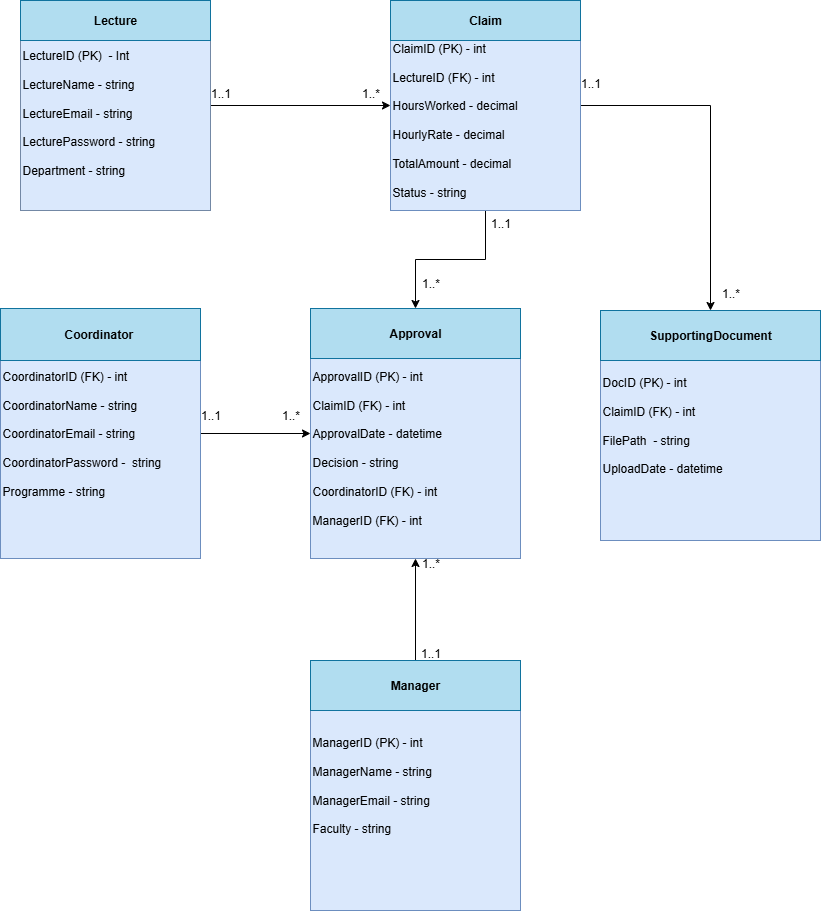
# Assumptions and Constraints

## Assumptions

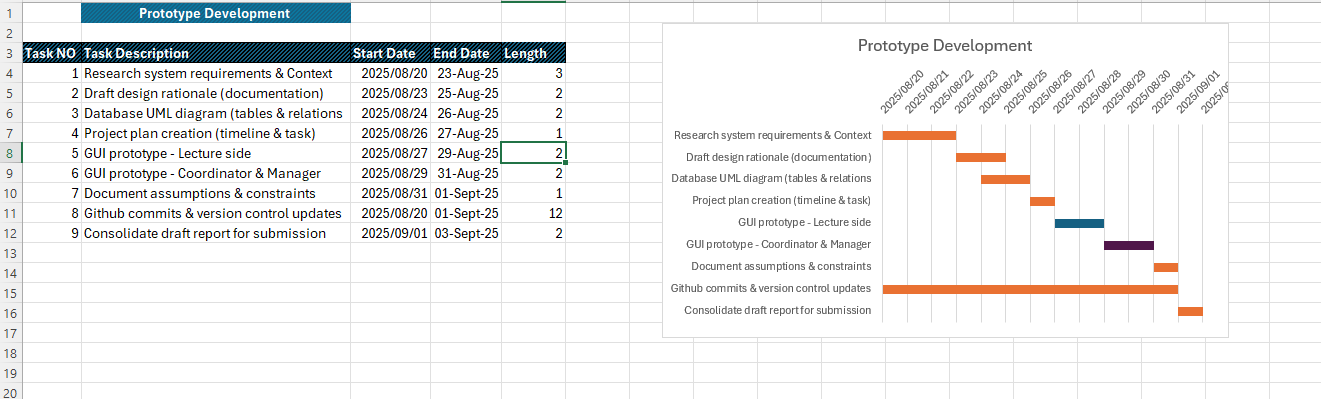
* Each role will have different permissions.
* Claims are submitted monthly and linked to uploaded documents.

## Constraints

# UML Diagram



# Project Plan



# GUI Screenshot

**Landing Page Lecture Dashboard**

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a phone

AI-generated content may be incorrect.

**Coordinator Dashboard Manager Dashboard**

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.