Contract Monthly Claim System (CMCS) – PROG6212

Project Overview:

This project is a Portfolio of Evidence (PoE) for PROG6212, focusing on developing a practical .NET web-based application called the Contract Monthly Claim System (CMCS). The system streamlines the process of submitting and approving monthly claims for Independent Contractor (IC) lecturers.

Roles:

Lecturer: Submits claims, uploads documents, and monitors claim status.
Programme Coordinator (PC): Reviews claims and can approve or return claims.
Academic Manager: Gives the final approval or rejection of claims.

Workflow:
Claims move through the following process:
Lecturer → Programme Coordinator → Academic Manager, with clear status updates at each step.

Project Structure:

Documentation.pdf – Contains design choices, roles, workflow, database structure, GUI layout, and assumptions.
UML_Class_Diagram.png – Database UML diagram showing the relationships between Lecturer, Claim, Programme Coordinator, Academic Manager, Attachments, and Approvals.
CMCS_Prototype.pdf – Mockups and layout of the application screens including login, dashboards, and claim submission form.
Project_Plan.pdf – Tasks, dependencies, and timeline for the project.
README.md – This file.

Design Choices / Technology:

Platform: Visual Studio 2022 using ASP.NET Core MVC (browser accessible, easy to deploy). WPF could be used for a desktop version.
Architecture: Layered design: Presentation → Services → Domain → Data.
Assumptions & Constraints:

- One claim per lecturer per month/year
- Maximum attachment size: 10MB
- Calculations based on HourlyRate
- Roles must follow the workflow order

How to View:

Open the PDFs to see project documentation, GUI/UI design, and project plan.
View the UML diagram in UML-Class-Diagram.png.
The README provides an overview of the project and structure.

Future Work:

Implement the CMCS web application using ASP.NET Core MVC.
Connect the database and implement claim submission and approval workflows.
Develop a functional GUI based on the current mockups and design.