

ABOUT THE CMCS PROJECT:

- •Brief description of the system:
 - •The Contract Monthly Claim System is designed to simplify and automate the claims submission, approval, and processing workflow for Independent Contractor lecturers.
- •Objectives:
 - •Streamline claims management.
 - •Enhance transparency and accuracy.
 - •Improve administrative efficiency.

WHAT MAKES CMCS UNIQUE?

- Auto-calculation for lecturer claims.
- Validation checks for accurate submissions.
- Automated approval workflows for coordinators/managers.
- Real-time status tracking.
- Document upload and secure storage.
- Automated invoice and report generation.





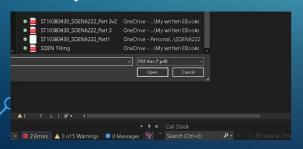
SIMPLIFIED CLAIM SUBMISSION FOR LECTURERS

Features:

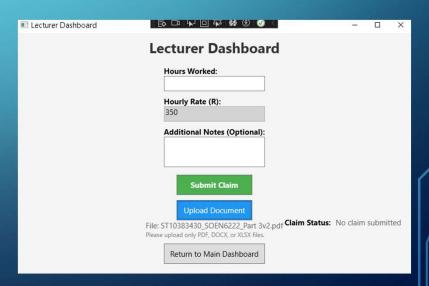
- Auto-calculation of payment based on hours and rates.
- Validation to prevent incorrect data entry.
- Easy upload of supporting documents (PDF, DOCX, XLSX)

Tools Used:

- ASP.NET Core MVC for form design.
- Entity Framework for database interactions.







STREAMLINED APPROVAL PROCESS

Features:

View pending claims with all details.

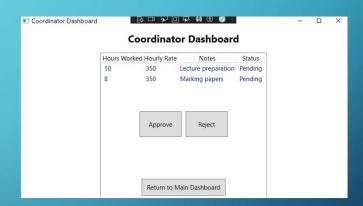
Approve or reject claims with a single click.

Automated checks for policy compliance.

Tools Used:

ASP.NET Identity for role-based access.

FluentValidation for automated criteria checks.



AUTOMATED CLAIM PROCESSING AND REPORTS

Features:

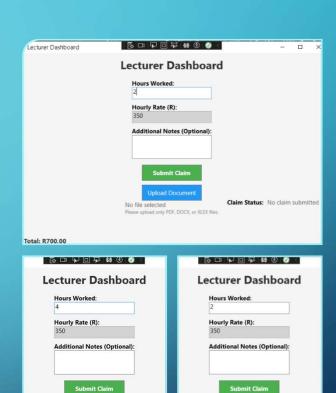
- Generate invoices and reports for payment processing.
- Manage lecturer data (update personal/contact information).
- · Secure and reliable data handling.

Tools Used:

- Crystal Reports or SSRS for report generation.
- ASP.NET Core Razor Pages for HR interface.

HOW AUTOMATION IMPROVES CMCS

- •Auto-calculation minimizes errors and saves time.
- •Real-time updates improve transparency.
- •Streamlined workflows reduce manual intervention.
- •Validation ensures accurate and reliable data entry.
- •Automated reporting accelerates payment processing.



BEHIND THE SCENES OF CMCS

- Overview of technologies used:
- ASP.NET Core MVC for the web application.
- **Entity** Framework Core for database management.
- ASP.NET Identity for authentication/authorization.
- JavaScript/jQuery for client-side validations.
- Highlight integration between components (front-end, back-end, database).



EXPLANAITION

Key Components:

1.Front-End (WPF XAML Views):

- •Designed using **XAML** for building the user interface.
- Includes interactive elements like:
 - •Claim submission forms for lecturers.
 - •Claim approval dashboards for coordinators and managers.
 - •Real-time claim status trackers.

2.MVVM Pattern:

- •ViewModels connect the front-end (XAML views) to the back-end logic.
- •Implements Commands and Data Bindings to:
 - •Automatically update the UI when data changes.
 - •Handle user interactions like button clicks or form submissions.
 - •Audit logs for tracking claim updates and approvals.

CONTINUATION

3. Application Services (Business Logic Layer):

- •Core application logic for automation, calculations, and workflows:
 - •Calculates claims automatically based on hours worked and hourly rates.
 - •Handles validation (e.g., ensuring valid input data).
 - •Manages the approval workflow for coordinators and managers.

4.Data Access Layer:

- •Uses **Entity Framework Core** to interact with the database.
- •Maps models like Lecturer, Claim, and Manager to SQL tables.

5.Database:

- Stores application data, including:
 - •Claims: Hours worked, hourly rates, claim status.
 - •Uploaded documents linked to claims.
 - •Audit logs for tracking claim updates and approvals.

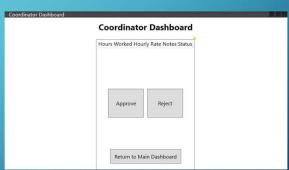
ENSURING EASE OF USE

Features: Intuitive navigation.

Minimal clicks for key actions.

Consistent color scheme (pink and cream).







ENSURING SYSTEM RELIABILITY

Coverage:

Unit tests for submission, approval, and report generation features.

Tests for handling invalid inputs and errors gracefully.

Example:

Description of a test case and its successful execution.

WHY CHOOSE CMCS?

Benefits:

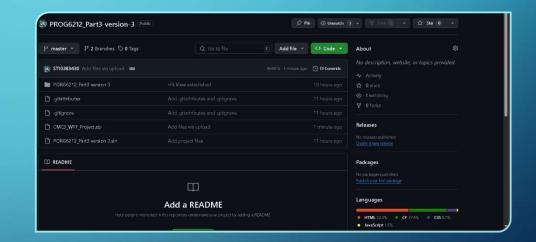
- Reduced administrative overhead.
- Transparent claim tracking.
- Accurate payment calculations.
- Improved user satisfaction.

"CMCS has transformed the way we manage claims, saving us hours every month!"

TRACKING DEVELOPMENT PROGRESS

- Overview of GitHub repository:10 commits with descriptive messages.
- Regular updates and iterative improvements.

https://github.com/ST10383430/PRO
 G6212 Part3-version-3.git



THE FUTURE OF CLAIMS MANAGEMENT

Summary of CMCS Impact:

The Contract Monthly Claim System (CMCS) has revolutionized claims processing by providing:

Automated calculations, reducing errors and saving time.

Streamlined workflows, enhancing approval efficiency.

Transparent and accurate payment tracking, building trust among lecturers and administrators.

Next Steps for CMCS:

Integration of mobile access to enhance flexibility.

Advanced analytics to identify trends in claim submissions.

Al-driven recommendations for further automation improvements.

THANK YOU

• "Thank you for reviewing our Contract Monthly Claim System! CMCS is a step forward in modernizing claim management processes for Independent Contractors."

"Feel free to reach out for questions or further discussions about the CMCS project!"

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