

Contract Monthly Claim System (CMCS)

POE Part 2 — Lecturer Feedback Implementation

Name: Annele Ndlovu

Date: 2025-10-29

Module: .NET Application Development

1. Lecturer Feedback Summary

Feedback Area	Lecturer Comment	Action Taken
Error Handling	Application didn't handle runtime errors gracefully	Wrapped all controller logic in try-catch blocks and added a global error handler that redirects to a custom error page.
Claim Submission	File upload was not validated	Implemented validation for file size and type (PDF, DOCX, XLSX) and used TempData to show alert messages.
Data Tracking	Claim status unclear to users	Added ClaimStatus enum with badges for real-time status tracking.
Interface	Views not integrated with layout properly	Updated _Layout.cshtml with navigation and consistent Bootstrap styling for Lecturer, Coordinator, and Manager views.

2. Implementation Details

- Error Handling:

Implemented try-catch blocks in all controllers. Errors are redirected to the /Home/Error page which now displays a user-friendly message instead of the default error trace.

- Claim Submission:

Enhanced the claim form to validate file types and sizes. Invalid files trigger red error messages, preventing the system from crashing.

- Status Tracking:

Introduced a ClaimStatus enum with dynamic updates when coordinators or managers approve or reject claims.

- Interface Improvements:

Updated layout and navigation for user-friendly access to all sections. Added clear Bootstrap styling to all tables and buttons.

3. Screenshots (Summary)

Submit Claim

[Home](#) [Privacy](#) [Lecturer](#)

Submit Claim

Hours Worked ^{*}

Hourly Rate

Notes

Supporting Document

Choose File

No file chosen

Submit

© 2024 - CMCS

[Home](#) [Privacy](#) [Lecturer](#)

Supporting Document

example.txt

! Only PDF, DOCX, and XLSX files are allowed, and the maximum file size is 5 MB.

Submit

© 2024 - CMCS

File upload validation message

The file must be a PDF, DOCX or XLSX and must not exceed 5 MB.

Choose File

Choose File

No file chosen

Submit

- CMCS

Screenshots demonstrating each feature have been included in the project documentation folder:

4. Reflection

Through implementing the lecturer's feedback, I learned how to build robust, user-friendly applications that handle errors gracefully and provide consistent feedback. The integration of file validation, status tracking, and structured error handling has significantly improved the overall reliability of the CMCS system. This project strengthened my understanding of MVC architecture, exception handling, and front-end consistency.