

PROG6212

POE PART THREE

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Below is the link to my code on Github:

<https://github.com/TajiMulisa/PROG6121-CMCSPrototype>

LECTURER FEEDBACK AND HOW I IMPLEMENTED THE RECOMMENDATIONS

1. Feedback: Permit instructors to submit claims for various months.

Fixes:

ClaimMonth and ClaimYear were added to the Claim and SubmitClaimViewModel.

Month and year options were added to the submission user interface.

The controller was updated to utilize the chosen month or year in place of the submission date.

Validation logic has been updated to check duplication by chosen month or year.

Unused methods have been updated to include new claim period fields.

2. Feedback: Put in place document downloads and two-level approval.

Fixes:

ClaimDetails.cshtml now has a document download option.

The DownloadDocument controller action has been added.

CoordinatorApproved → Verified in enum

Role-based two-stage verification and approval are enforced by updated approval logic.

Updated service layer to utilize user role to filter claims

UI has been updated to show "Verify" or "Approve" depending on the job and stage.

3. Feedback: Encrypt documents. Revisions:

Fixes:

AES-based encryption service with an interface was added.

Registered service in DI and kept key/IV in appsettings.json

Files that are encrypted when uploaded and saved with a.enc extension

Decrypted files are downloaded and then output to the user.

4. Feedback: When submitting a claim, make document uploads atomic.

Fixes:

HandleFileUpload was redesigned to simply process and return Document objects.

Reordered Before saving a claim, use SubmitClaim to upload and attach a file.

To avoid incomplete saves, the full submission was wrapped in try/catch.

HandleFileUpload's database writes were eliminated to ensure atomicity.