

- Design Choices:
 - Platform:
 - I decided to use Visual Studio 2022 to create ASP.NET Core MVC as it is browser accessible and easy to deploy. WPF could also be used for a desktop version.
 - Architecture:
 - To keep things structured and manageable, I employed a layered design (Presentation → Services → Domain → Data)
- Roles:
 - Lecturer:
 - Submits claims, uploads documents and monitors claim status.
 - Programme Coordinator (PC):
 - Reviews claims and can approve or return the claims.
 - Academic Manager:
 - Gives the final approval or rejection.
- Workflow:
 - Claims go from the lecturer to the programme coordinator to the academic manager with clear status updates.
- File Handling:
 - Attachments are stored in a folder with their information saved in the database.
- Database Structure:
 - Lecturer:
 - LecturerID, FullName, Email, BankDetails
 - Claim:
 - ClaimID, LecturerID, ProgrammeCoordinatorID, AcademicManagerID, Month, Year, TotalHours, TotalAmount, Status, SubmittedAt
 - Programme Coordinator:
 - ProgrammeCoordinatorID, FullName, Email
 - Academic Manager:
 - AcademicManagerID, FullName, Email
 - Attachment:
 - AttachmentID, ClaimID, FileName, FilePath, UploadDate
 - Approval:
 - ApprovalID, ClaimID, ApprovedBy (ProgrammeCoordinator or AcademicManager), RoleAtApproval (ProgrammeCoordinator or AcademicManager), Decision(Approved/Rejected/Pending), Comments, Timestamps

- Relationships:
 - Lecturer 1 → *Claims
 - ProgrammeCoordinator 1 → * Claims
 - AcademicManager 1 → * Claims
 - Claim 1 → * Attachments
 - Claim 1 → * Approvals
- GUI Layout:
 - Login Page:
 - Users log in based on their role
 - Lecturer Dashboard:
 - View and submit claims, upload documents and track status
 - Claim Submission Form:
 - Add multiple claim lines, upload files, reviews totals
 - Programme Coordinator Dashboard:
 - Approve or returns claims with comments
 - Academic Manager:
 - Final approval screen and track claim statuses
- Assumptions and Constraints
 - One claim per Lecturer per Month/Year
 - Maximum attachment size: 10MB
 - Calculations are based on HourlyRate
 - Roles must follow the workflow order