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CONTRACT MONTHLY CLAIM SYSTEM

AUTOMATING CLAIM MANAGEMENT FOR LECTURERS,
COORDINATORS, AND HR

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INTRODUCTION

The Contract Monthly Claim System is designed to streamline the process of claim submission, verification, and approval. It is tailored for lecturers, program coordinators, academic managers, and HR staff to automate workflows, ensure data accuracy, and improve efficiency.

Project Objective

Our goal is to create an efficient, reliable, and user-friendly system that simplifies the claim process while ensuring transparency and accuracy for all stakeholders.



GOALS AND OBJECTIVES

Objective

Automating calculations and reporting to save time and reduce errors

Objective

Streamlining the claim submission and approval workflows.

Objective

Ensuring a user-friendly interface for all stakeholders



KEY FEATURES



HR View:

- Manage lecturer profiles and update personal details.
- Generate automated reports and invoices for approved claims.

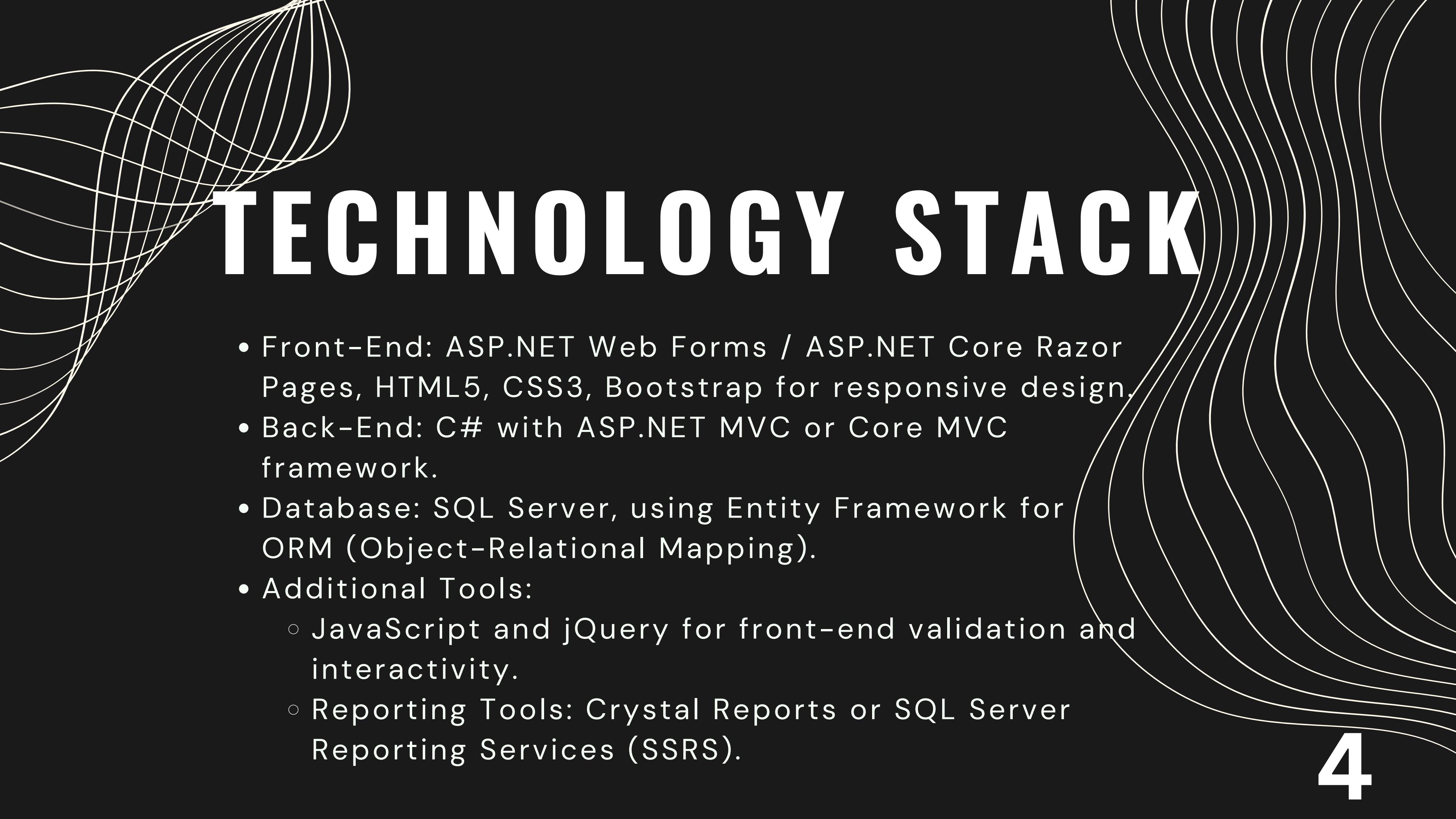
Lecturer View:

- Submit claims with hours worked, hourly rate, and additional notes.
- Auto-calculate total payment with integrated validation for data accuracy.
- Upload supporting documents like PDFs or spreadsheets.

Coordinator and Manager View:

- Review submitted claims with detailed breakdowns.
- Approve or reject claims with a click of a button.
- Real-time updates on the status of claims (e.g., Pending, Approved, Rejected).

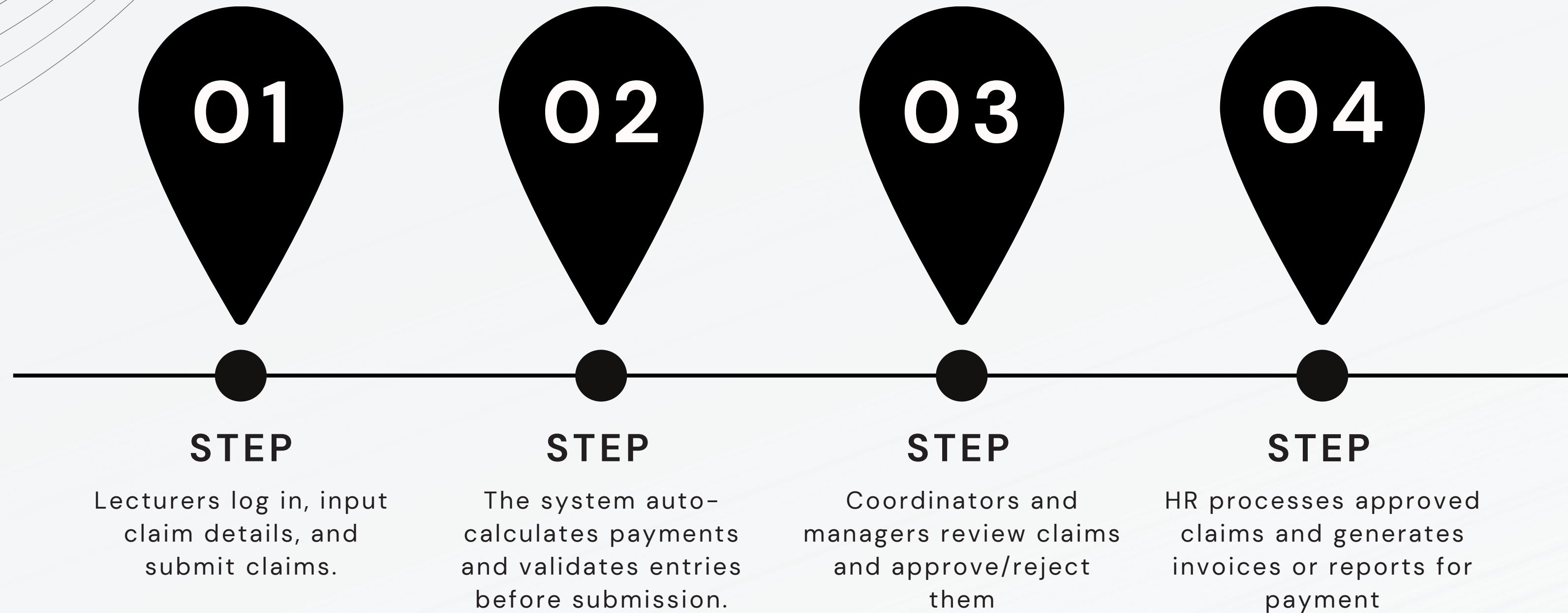




TECHNOLOGY STACK

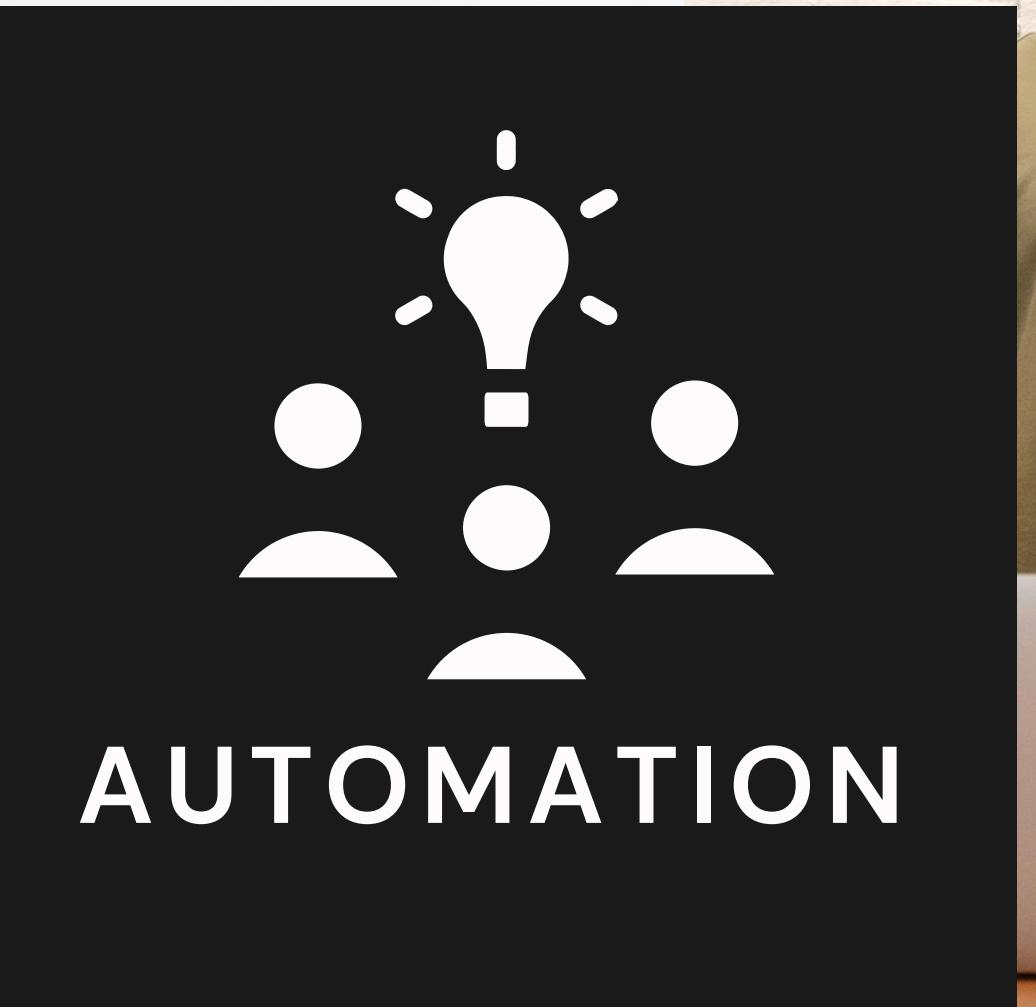
- Front-End: ASP.NET Web Forms / ASP.NET Core Razor Pages, HTML5, CSS3, Bootstrap for responsive design.
- Back-End: C# with ASP.NET MVC or Core MVC framework.
- Database: SQL Server, using Entity Framework for ORM (Object-Relational Mapping).
- Additional Tools:
 - JavaScript and jQuery for front-end validation and interactivity.
 - Reporting Tools: Crystal Reports or SQL Server Reporting Services (SSRS).

APPLICATION FLOW



AUTOMATION FEATURES

- Auto-Calculation: The system calculates the total payment based on input hours and hourly rates.
- Validation: Ensures that all necessary fields are filled and correct before submission.
- Status Tracking: Provides real-time updates on claim progress.
- Document Upload: Allows lecturers to attach supporting files securely.



BENEFITS OF THE SYSTEM

Improved Efficiency: Reduces time spent on manual calculations and claim processing.

Accuracy: Automated validations and calculations minimize human errors.

Transparency: Real-time status tracking keeps stakeholders informed.

User-Friendly: Intuitive design ensures ease of use for all users.

100%

DEMONSTRATION

SCREENSHOTS

HRUsers

User ID (For Update/Delete):

User Name:

User Email:

User Role: Select Role

Add User | Update User | Delete User | Submit

SCREENSHOT 1

ClaimSubmissionForm

Lecturer Name:

Employee No:

Lecturer No:

Month: January

Year: 2024

Role/Hourly Rate: R100

Hours Worked: 1

Program Code:

Module:

Support Document: Choose File | No file chosen

SCREENSHOT 2

CHALLENGES AND SOLUTIONS



Challenge 1: Handling multiple user roles with different access levels

Solution: Implemented ASP.NET Identity for role-based authentication and authorization



Challenge 2: Ensuring data security for uploaded files.

Solution : Restricted file types and sizes and implemented secure file storage techniques

CONCLUSION

The Contract Monthly Claim System effectively automates claim submissions and approvals, improving overall efficiency and user satisfaction. By leveraging ASP.NET technologies, the system ensures a reliable, secure, and user-friendly experience for all stakeholders involved in the claim process.

