
Lecturer Feedback and Implementation Report

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Course: Diploma in IT Software Development

Module: PROGRAMMING 2B

Project Title: Contract Monthly Claims System (CMCS)

The critique given for Part 2 of my Contract Monthly Claims System (CMCS) concentrated on two main aspects:

Utilization of MVC Design Pattern:

The speaker highlighted the importance of incorporating the Model-View-Controller (MVC) pattern for structuring the application and dividing responsibilities among data, business logic, and user interface.

Demonstrating with Example Data:

The speaker suggested that I input sample data into the system to showcase its capabilities, specifically in managing claims and their statuses, and to offer a practical demonstration of the system's functionality.

The book was so interesting that I couldn't put it down until I finished it. Incorporating the feedback provided by the lecturer.

2.1. Implementation of MVC Design Pattern

To comply with the MVC pattern, I redesigned the application in the following way:

I designed models to depict the data entities, such as claims, professors, and states. Every model contains characteristics related to the claims process, like worked hours, hourly wage, and claim status.

View: I created Razor Views to present data to users in a structured and easy-to-understand way. The perspectives present assertions, offer form fields for submitting claims and show updates on claim statuses.

Controller: I created controllers to oversee the business logic and data flow between the models and views. The controllers manage user requests like submitting claims updating claim statuses and transferring data to the views for presentation.

2.2 Adding example information to the system.

After receiving feedback, I input sample data into the system to mimic actual usage scenarios. This information consists of:

Lecturer asserts Lecturers' submitted claims containing information such as hours worked, hourly wage, and additional notes.

Claim statuses are monitored by the system, including statuses like "Pending," "Approved," and "Rejected."

2.3. Rewrite the text using the same language and word count. Showing examples from actual situations

I additionally developed practical scenarios to showcase how the system operates in real-life situations.

Lecturers have the option to enter necessary information, like hours clocked in and rate per hour, for submitting their claims.

Claim Review and Status Updates: Coordinators and academic managers can examine submitted claims and change their status (e.g., "Approved," "Rejected").

Instant feedback is given to users as claims are updated, making sure that the status of the claim is conveyed.

These activities enable the system to showcase its capabilities with sample data, following the lecturer's guidance to present a practical scenario.

Summary

I have detailed my response to the lecturer's feedback for Part 2 of the Contract Monthly Claims System (CMCS) in this report. By implementing the MVC framework and inputting sample data, I have successfully showcased the system's functionalities in a practical scenario.

SCREENSHOTS OF THE APPLICATION

Welcome to the Contract Monthly Claim System

This system is designed to streamline the monthly claim submission process for lecturers. By providing an intuitive platform for submitting, verifying, and approving claims, it ensures efficiency and accuracy in managing lecturer claims.

Key Features:

- Easy claim submission with document uploads.
- Real-time claim status tracking.
- Approval workflows for coordinators and managers.
- Secure login with role-based access.

[Start to approve Claim Process](#)

Login



email

mphomalinga@gmail.com

Password

.....

Role of Work

Lecturer



Login

Don't have an account ? [Register here](#)

Register

Username

mpho

FullName

Mpho Malinga

Email

mphomalinga@gmail.com

Role

Lecturer



Module

Prog5121



Password

.....

Register

Already have an account? [Login here](#)

Claims submitted for ICT

No	Email	Module	From	To	Hours Worked	Hour Rate	Total	Description	Document	Status	Approve
1	mphomalinga@gmail.com	Prog5112	2024-11-22	2024-12-30	7	250	R1750	coding	View Document	✓	✗



Invoice Details

Detail	Information
Invoice No:	1
Username:	mphomalinga@gmail.com
Module:	Prog5112
Claim Date:	2024-11-22
Period:	2024-12-30
Hours Worked:	7
Hour Rate:	250
Total:	R1750
Description:	coding

Submit Your Monthly Claim

Username

mphomalinga@gmail.com

For Module

Prog5112

Claim Date

mm/dd/yyyy



Period (Month/Year)

mm/dd/yyyy



Hour per rate

Enter hours per rate

Hours worked

Enter hours you worked

Supporting Document *(Optional)*

Choose File

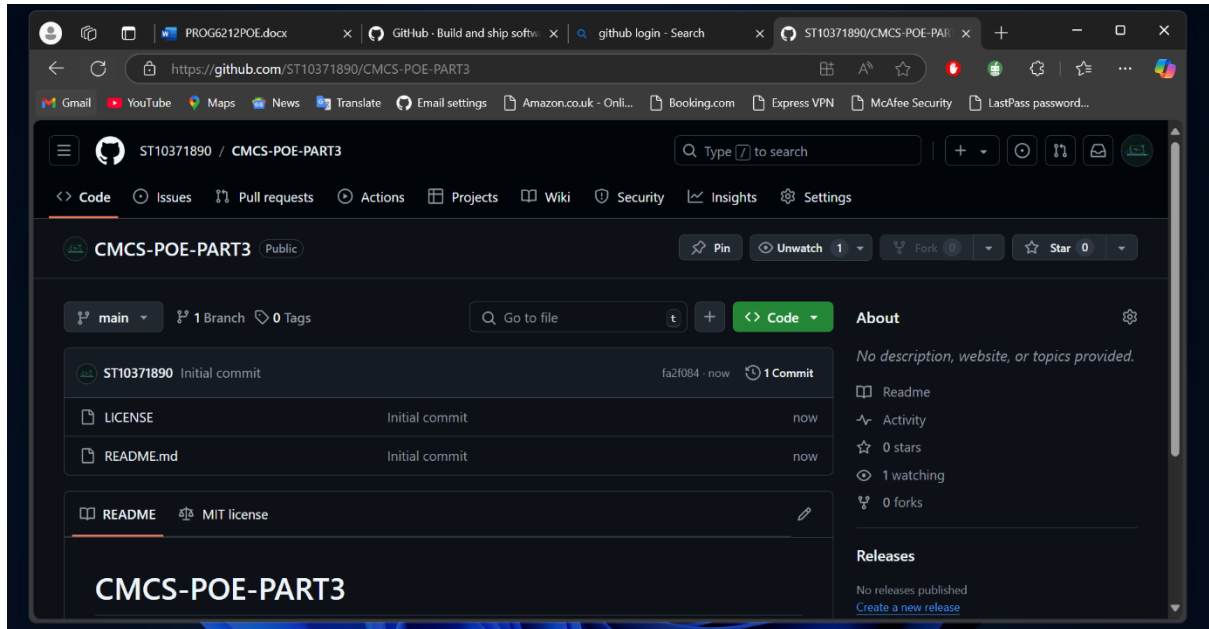
No file chosen

Description of Work

Describe the work you did

Submit Claim

SCREENSHOT OF GITHUB AND GITHUB LINK



<https://github.com/ST10371890/CMCS-POE-PART3>
