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Lecturer Feedback

Improvements to the User Interface:

Login and Registration Feature:

- The application used to be missing a login and registration feature, which made it hard for lecturers and the Programme Manager (PM) to access their accounts. Based on the feedback, I added a login and registration system. Now, lecturers can securely submit and check their claims, and the PM can log in to see all claims submitted by lecturers. This change makes the application safer and gives each user a personalized experience.

Redesigned User Interface:

- Before, the app had a fixed layout with options on the left and content on the right. After reviewing this design, I decided to make it more user-friendly. Now, users can click on buttons related to their tasks, and the corresponding content will appear on the screen. This change helps users navigate the app more easily and keeps the interface clean and focused on what they need to do.

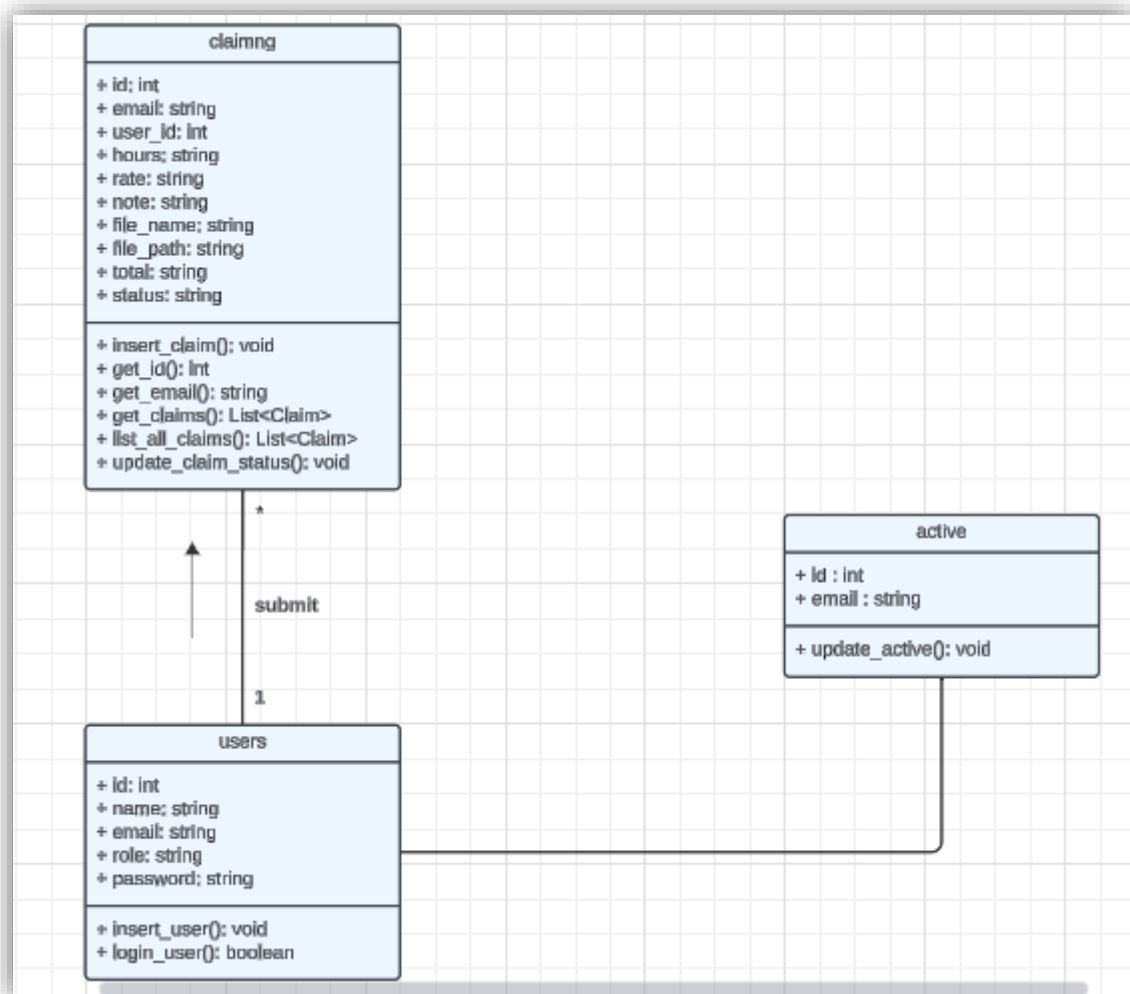
Better Document Submission and Viewing:

- Before, when lecturers submitted their claims, they could only see the file name and had to go to the specified folder to view the document. This was not very convenient. I improved this by allowing lecturers to click a link to view their documents directly in the app. If no document is submitted, the app shows a clear message letting them know.
- The PM also benefits from this change, as they can click to view documents related to each claim after lecturers submit them. This makes it easier for the PM to review claims.

Database Integration:

- I also made important improvements to how the app stores data. Now, all necessary information is safely stored in a database with separate tables for different types of data. The updated UML Class Diagram shows how this data is organized.
- The database has three main tables:
 - **Active Table:** This keeps track of the user who is currently logged in.
 - **Claiming Table:** This holds the claims submitted by all users.
 - **User Table:** This stores information about all users, both lecturers and PMs. It helps manage user accounts and logins.

Updated UML Class Diagram:



Associations

- The Claim class has a one-to-many relationship with the Users class, indicating that a single user can submit multiple claims.
- The Active class can be linked to the Users class, indicating which user is currently active or logged in.

Diagram Summary

- Claim: Represents a claim made by a user, including details like hours worked, rate, and status.
- Active: Keeps track of the currently logged-in user.
- Users: Represents user accounts, including their login credentials and role (e.g., lecturer, PM).

ReadMe File Instructions

Claim Management System

This Claim Management System allows lecturers to submit claims and a Programme Manager (PM) to review those claims. The application is designed to streamline the process of claim submission and approval.

Prerequisites

Before you begin, ensure you have met the following requirements:

- You have a compatible version of Visual Studio installed on your computer.
- You have .NET Framework installed.
- You have access to a SQL Server database for data storage.

Installation Instructions

1. Clone the Repository Open your command line interface (CLI) and run the following command to clone the repository to your local drive:

https://github.com/Sufyaan-Cassim/CMCS_MVCApp_Part2.git

Navigate to the Project Directory After cloning the repository, navigate to the project directory:

```
cd demo_part2
```

Open the Project in Visual Studio

- Open Visual Studio.
- Select "Open a project or solution."
- Navigate to the cloned repository and open the .sln (solution) file.

Configure the Database

- Ensure that your SQL Server is running.
- Update the connection string in the appsettings.json file to match your local database configuration.

Running the Application

- Build the Project
 - In Visual Studio, go to the "Build" menu and select "Build Solution."
 - Ensure there are no build errors.

Run the Application

- Press F5 or click on the "Start" button in Visual Studio to run the application.
- The application will launch, and you can interact with the user interface.

Usage

- For Lecturers:
 - Register a new account or log in if you already have an account.
 - Submit claims for review by filling out the claim submission form.
 - View the status of your submitted claims.
- For Programme Managers (PM):
 - Log in with your PM account.
 - Review submitted claims and approve or reject them as necessary.
 - View documents submitted with the claims.

License

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User Manual

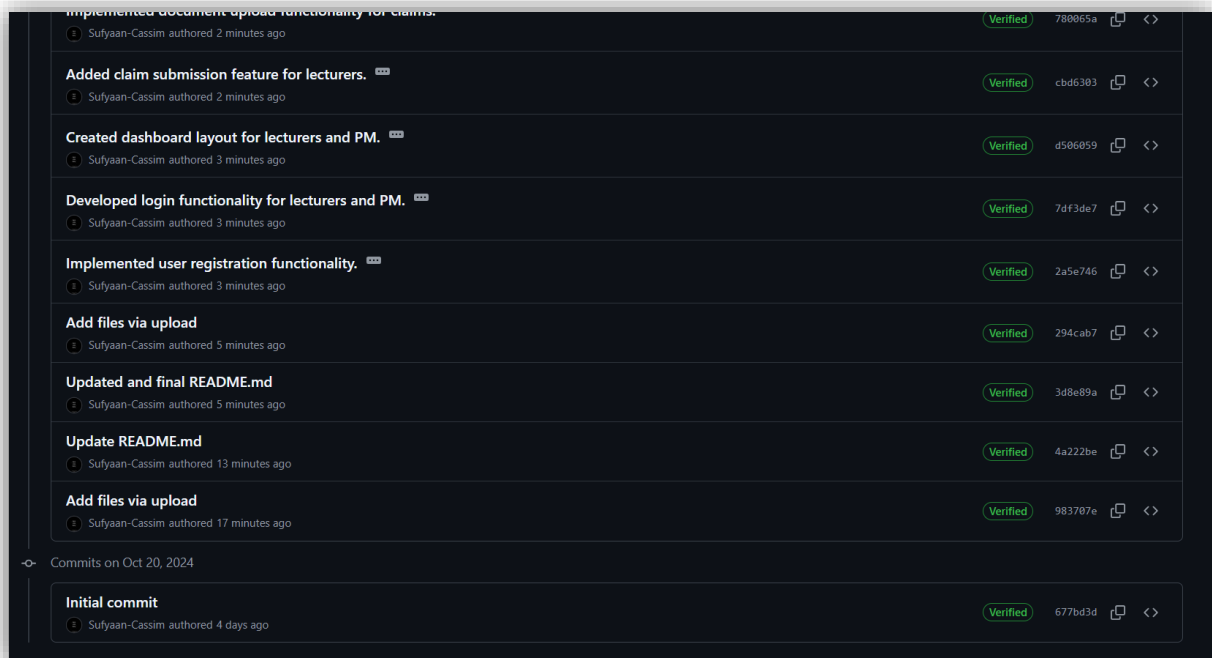
The user manual for the Claim Management System is included in a zipped folder within my submitted project, labelled "User Manual." You can also find it on my GitHub repository.

Version Control





















All my code, along with the documentation and user manual, has been pushed to the GitHub repository. You can access it using the link below:

https://github.com/Sufyaan-Cassim/CMCS_MVCApp_Part2

A total of 18 commits have been made, which you can view in the repository's commit history.



Commits

 main	 All users	 All time
 Commits on Oct 24, 2024		
<div>Finalized project documentation and user manual. </div> <div> Sufyaan-Cassim authored now</div> <div>Verified3b4aebecopy<></div>		
<div>Updated UML class diagram to reflect new features. </div> <div> Sufyaan-Cassim authored now</div> <div>Verifiedc6b4e96copy<></div>		
<div>Improved database structure and relationships. </div> <div> Sufyaan-Cassim authored now</div> <div>Verifiedc7ae671copy<></div>		
<div>Implemented error handling for user actions. </div> <div> Sufyaan-Cassim authored 1 minute ago</div> <div>Verified39edbbfcopy<></div>		
<div>Added approval and rejection options for claims. </div> <div> Sufyaan-Cassim authored 1 minute ago</div> <div>Verifiedff5c09bcopy<></div>		
<div>Created functionality for PM to view all claims. </div> <div> Sufyaan-Cassim authored 1 minute ago</div> <div>Verified127bb76copy<></div>		
<div>Updated GUI layout for improved usability. </div> <div> Sufyaan-Cassim authored 2 minutes ago</div> <div>Verified89dab55copy<></div>		
<div>Implemented document upload functionality for claims. </div> <div> Sufyaan-Cassim authored 2 minutes ago</div> <div>Verified78065acopy<></div>		