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PROG6212 – POE – PART 1

Table Of Contents

Documentation

Introduction

The Contract Monthly Claim System is a system that is meant to assist the lecturer and administrators in processing claims. The system is meant to help streamline the process of claim application on the lecturer's side, and approval and tracking claims on the administrator side.

Design Choice:

Database:

For the database of the system, we will be using a relational database because I understand what the different entities are, and which entities relate to each other. The entities that will be present are the

Application Architecture:

For the architecture of the application, I decided to use MVC to account for the possible scalability of the system. The system also needs to be a system that is on the web and can hold multiple users all the time. Since the application is not built for a specific company, it is built for anyone who is an IC (Independent Contractor) or Administrators for an institution to use, so it will need to be on the cloud in future or just downloaded as an application, and using MVC gives me the functionality and the creativity to really build this system with to factor that in.

GUI design:

For the GUI design I went for a very simple design that is easy to use and is straightforward. The application is not supposed to do fancy things since it will be merely used to submit and track claims, this makes the pure goal of it to do just that and nothing more. To achieve those goals, I put tabs on the navigation that will tell you where to exactly to go and for what purpose. I also put an explanation on the Home Page to inform users of what the system is for and how to use it.

Assumptions and Constraints:

The assumptions I have about the project are the following:

- Internet connection is needed to submit and process claims.
- Multiple lecturers could need approval from the same administration.
- Claims need approval from two members of the administration.
- The hours of the claim will be for the whole month.

The constraints I have about the project are the following:

- Must be built using MVC or WPF for Microsoft application.
- Claims need both admins approval.
- Limited time frame to build the project.