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**Lecturer Feedback Implementation – Part 2**

**Feedback Summary (from Lecturer):**

1. Missing **database structure explanation**, and **overflow**.
2. **Number of days** for each task missing – only **start dates** were included.
3. **No Git link or screenshots** provided, although commits were made.

**My Implementation of Recommendations**

**1. Database Structure Explanation**

**Feedback:**

“Missing database structure explanation, and overflow.”

Git link: [Eden2108/ContractMonthlyClaimSystem\_Part2](https://github.com/Eden2108/ContractMonthlyClaimSystem_Part2)

**Implementation:**

* I created a dedicated SQL model class named sql\_query.cs under the **Models** folder.
* This class automatically **creates and initializes the LocalDB instance**, database, and tables when the application starts using InitializeSystem() in HomeController.
* The database structure now includes two main tables:
  + **Users Table** – stores lecturer, coordinator, and manager details.
  + **Claims Table** – stores claim information and links to the corresponding lecturer via a foreign key.
* I also implemented constraints and data types for each field to prevent overflow and ensure consistent data validation.

**Code Reference:**

sql\_query create = new sql\_query();

create.InitializeSystem();

This runs when the application loads, automatically creating and verifying the database and its tables.

**2. Number of Days for Each Task**

**Feedback:**

“Number of days each task will take are missing but only start dates are included.”

**Implementation:**

* I updated my **project planning section** to include both **start and end dates**, along with the **duration in days** for each key development task.
* Each development activity (UI creation, database linking, error handling, testing, and Git integration) now clearly shows estimated timeframes.
* This improvement provides a more structured project schedule and helps demonstrate proper planning.

**Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Start Date | End Date | Duration (Days) |
| UI Layout Design | 10 Oct 2025 | 11 Oct 2025 | 2 |
| Database Creation & Linking | 12 Oct 2025 | 13 Oct 2025 | 2 |
| Controller Implementation | 14 Oct 2025 | 15 Oct 2025 | 2 |
| Unit Testing | 16 Oct 2025 | 17 Oct 2025 | 2 |

**3. GitHub Link and Version Control**

**Feedback:**

“No Git link or screenshots provided, but the project shows git pushing and commits.”

**Implementation:**

* I linked my Visual Studio project to **GitHub** and committed regularly (at least five times) with **clear, descriptive commit messages**.
* Each push shows progressive development, such as database setup, controller creation, and unit testing.
* Screenshots of my GitHub commits have been added in my submission to verify version control usage.

**Example Commit Messages:**

* “Initialized LocalDB and created Claims & Users tables”
* “Added LecturerController with claim submission logic”
* “Implemented error handling and unit tests for database setup”
* “Linked Coordinator and Manager dashboards”
* “Final testing and UI cleanup before submission”