Name: KOUTOU RICHMOND

Date: 02/27/2025

Program Description: Assignment 7.1 Final Project UI

Estimated Time to Complete: 6 hours

Time Log:

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**02/24/2025** - Worked 1 hour : Create a menu with two buttons and create two functions to open the forms

**02/25/2025** - Worked 2 hours : Create the first multiplication table form, then create a function that checks if the entered value is an integer before displaying the multiplication table.

**02/26/2025** - Worked 2 hours : Create the second form that allows you to check if the user type is admin or not, if it is admin, to check if it is composed of alphanumeric otherwise of letter

**02/27/2025** - Worked 1 hour : Final testing and documentation

**02/27/2025** - Worked 2 hours : documentation and marks

**Total Time Spent: 8 hours**

**Analysis:**

* Created a menu with two buttons.
* Developed two functions to open forms.
* **Analysis**: This step focused on the UI and basic navigation functionality, setting up the foundation for user interactions.
* Created the first form for the multiplication table.
* Implemented validation to check if the entered value is an integer before displaying the table.
* **Analysis**: This involved both frontend and backend logic, ensuring user input validation before processing the multiplication table.
* Created the second form to check user type (admin or not).
* Added validation:
  + If admin, check if the input is alphanumeric.
  + Otherwise, check if the input contains only letters.
* **Analysis**: This step added user authentication validation, ensuring proper handling of input based on user roles.
* Conducted final testing and documentation.
* **Analysis**: This ensured quality assurance, fixing potential bugs and providing necessary documentation for future reference.

**Documentation provided**

**Work Log**

**02/24/2025 - Worked 1 hour**

* Created a menu with two buttons.
* Developed two functions to open forms.
* **Analysis**: Focused on UI and basic navigation functionality, setting up the foundation for user interactions.

**02/25/2025 - Worked 2 hours**

* Created the first multiplication table form.
* Implemented a function to check if the entered value is an integer before displaying the multiplication table.
* **Analysis**: Ensured input validation before processing, integrating both frontend and backend logic.

**02/26/2025 - Worked 2 hours**

* Created the second form to check user type (admin or not).
* Implemented validation:
  + If admin, check if the input is alphanumeric.
  + Otherwise, check if the input contains only letters.
* **Analysis**: Introduced user authentication validation, ensuring proper handling of input based on user roles.

**02/27/2025 - Worked 1 hour**

* Conducted final testing and documentation.
* **Analysis**: Ensured quality assurance by fixing potential bugs and documenting processes for future reference.

**02/27/2025 - Worked 2 hours**

* Finalized documentation and added necessary comments.

**Total Time Spent: 8 hours**

**Summary**

This project involved creating a user-friendly interface with navigation, implementing two forms with proper validation, and conducting thorough testing and documentation. The key functionalities developed include:

1. A menu with navigation buttons.
2. A multiplication table form with input validation.
3. A user type validation form ensuring proper role-based input checks.
4. Comprehensive testing and documentation to maintain quality and usability.

**Marks**

* **UI Design & Navigation (2/2)**: Well-structured and user-friendly interface.
* **Functionality Implementation (3/3)**: Correct form creation and validation processes.
* **Validation & Authentication (2/2)**: Proper handling of user roles and input checks.
* **Testing & Documentation (1/1)**: Sufficient testing and clear documentation.