Zachary Module 08 Final Fri May 9, 2025

**Project Overview**

GUI application developed using Python's Tkinter library

**Validation Testing Report**

**Test Data Used:**

The validation function was tested with two different types of input:

1. **Blank Input** – The user left the entry field empty.
2. **Non-Blank Input** – The user provided a name.

**Handling of Different Inputs:**

* **Blank Input**: When the entry field was left empty, the validation function correctly displayed an error message: *"Entry cannot be empty!"* This prevented submission until the user entered a valid name.
* **Non-Blank Input**: When the user entered a name, the validation function processed the input successfully, displaying a confirmation message: *"Entry is valid!"* indicating a correct and accepted entry.

The validation function effectively prevents empty input from being submitted and confirms valid entries. Screenshots were captured to showcase both successful and failed validation scenarios. No additional fixes were needed as the function performed as expected.

A screenshot of a phone

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**User Manual for Decal Business Application**

**1. Introduction**

Briefly describe the application's purpose. Example: *"The Decal Business Application is designed to help users manage their decal designs efficiently through an interactive GUI. It features intuitive navigation, image display, and secure input validation."*

**2. System Requirements**

List any necessary dependencies to run the application, such as:

* Python (version XX or later)
* Required libraries: tkinter

**3. Installation Guide**

Step-by-step instructions to run the program:

1. Download the application folder.
2. Ensure all dependencies are installed.
3. Run main.py to start the application.

**4. Features Overview**

Detail key features, including:

* **Main Window**: The application's starting interface.
* **Second Window**: Displays an additional message.
* **Secure Input Validation**: Ensures valid user input.
* **Images**: Two images are displayed with alternate text.
* **Navigation Buttons**:
  + **Open Second Window** – Opens a new window with a message.
  + **Validate Input** – Checks user input for correctness.
  + **Exit** – Closes the application.

**5. How to Use the Application**

Step-by-step usage instructions:

* Open the application.
* Enter your name in the provided text box.
* Click "Validate Input" to verify your entry.
* Click "Open Second Window" to navigate to the second interface.
* Click "Exit" to close the program.

**6. Troubleshooting Guide**

Provide solutions to common problems:

* **Issue**: Application won't launch.
  + **Solution**: Ensure Python and dependencies are installed.
* **Issue**: Validation error when entering a name.
  + **Solution**: Make sure the input is not empty and contains only letters.

**Source Code Documentation**

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