# **TextWise\_Compiler\_Edition**

1. Form1

The Form1 application serves as the main entry point for the TextWise\_Compiler\_Edition. It provides a login form for user authentication.

1.1 Features

User authentication.

Simple and intuitive login interface.

1.2 Getting Started

Installation: Run the Form1 application executable.

User Interface: Enter your username and password in the provided fields and click the "Login" button.

1.3 Usage

Enter valid credentials to access the suite's features.

**2. ToDoList**

The ToDoList application is a task management tool that allows users to manage their to-do lists efficiently.

2.1 Features

Add, edit, and delete tasks.

Search for tasks based on title or description.

2.2 Getting Started

Installation: Run the ToDoList application executable.

User Interface: Intuitive interface with options to add, edit, delete, and search tasks.

2.3 Usage

Adding a Task: Click the "New" button, fill in the title and description, then click "Save."

Editing a Task: Select a task and click the "Edit" button. Make changes and click "Update."

Deleting a Task: Select a task and click the "Delete" button.

Searching for Tasks: Enter a search term and click "Search."

**3. Draw**

The Draw application provides a canvas for digital drawing, allowing users to unleash their creativity.

3.1 Features

Drawing on a canvas.

Color selection.

Clearing the entire drawing.

Saving artwork in various image formats.

3.2 Getting Started

Installation: Run the Draw application executable.

User Interface: A canvas for drawing.

3.3 Usage

Drawing: Click and drag the mouse on the canvas.

Color Selection: Click "Choose Color" to select a different drawing color.

Clear Drawing: Click "Clear" to erase the entire drawing.

Saving Images: Click "Save" to save the drawing in various image formats.

**4. Contributing**

Contributions to the TextWise\_Compiler\_Edition Suite are welcome. If you have suggestions, bug reports, or would like to contribute code improvements, please feel free to create an issue or submit a pull request.

5. License

This project is licensed under the NazimRiyadh, LidaMukti, AnkanTurza.

6. Contact

For inquiries or support related to the suite, please contact [22-47047-1@student.aiub.edu].

**Notes and Precautions**

Security Considerations:

* Ensure that your login credentials for the database are securely stored and not exposed in the code.
* Implement proper input validation and sanitation to prevent SQL injection and other security vulnerabilities.

Database Setup:

* Provide instructions on how to set up the required database for the ToDoList application, including table structure.

Error Handling:

* Users should be aware of potential error messages and what they signify.
* Encourage users to report any encountered issues for prompt resolution.

Backup Recommendations:

* Recommend users to regularly backup their task data in the ToDoList application to prevent data loss.

License Awareness:

* Make sure users are aware of the project's licensing terms and encourage compliance.

If you encounter any issues with code compilation, ensure that the path to the C++ compiler (g++.exe) is correctly set in the application.