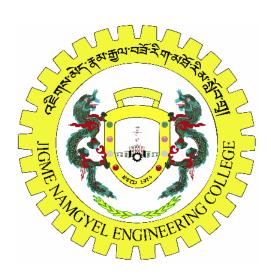


तहिषा अदेत्या मुला में रिष्ठी अर्दे रेया ब्रेंप यू

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Additional Features -- Do-To-list-Tracker



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Introduction

This comprehensive To-Do List Tracker application represents a sophisticated task management system designed to enhance productivity and organization for users. Developed as a complete desktop solution, the application incorporates robust user authentication, intuitive task management capabilities, and advanced features that cater to modern user expectations. The system is built using Python with Tkinter for the graphical interface and SQLite for reliable data storage, ensuring both functionality and performance.

The application addresses the fundamental need for effective task organization while providing additional features that elevate the user experience. From secure user registration and authentication to intelligent task filtering and reminder systems, every aspect has been designed with user convenience in mind. The inclusion of dark mode theming demonstrates attention to contemporary interface preferences, allowing users to work comfortably in various lighting conditions.

This documentation outlines the comprehensive feature set that makes this To-Do List Tracker not just a simple task manager, but a complete productivity solution that combines reliability, security, and user-friendly design in a single application.

Register Feature

I implemented a user registration feature that validates credentials, requiring usernames of at least 3 characters and matching passwords. Successful registration triggers a confirmation message, while errors display appropriate warnings.

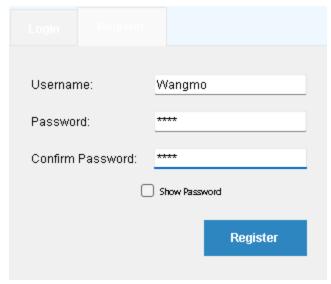


Figure 1 Register interface

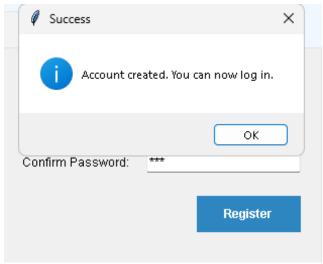


Figure 2 Account created successfully

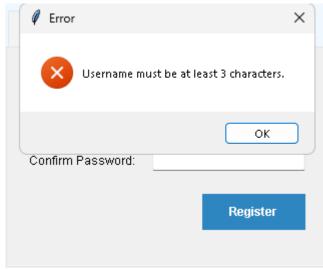


Figure 3 Username requirement

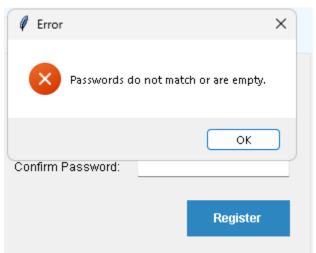


Figure 4 Password

Login Feature

User should login with their username and password. After entering username and password users will be able to get access to user interface where they can add, edit, delete task.

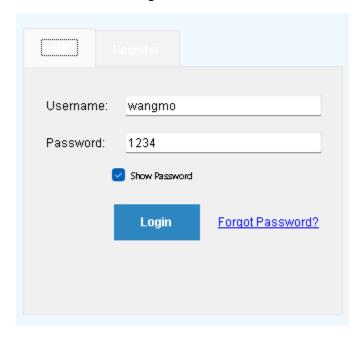


Figure 5 Login Interface

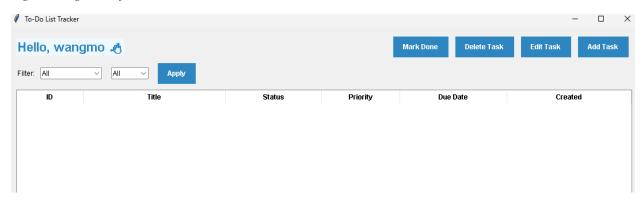


Figure 6 User interface

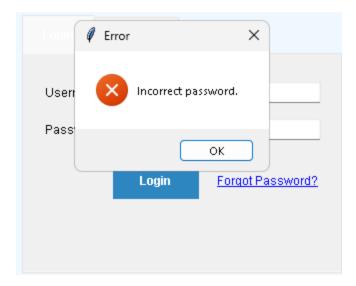


Figure 7 Incorrect password

Forgot password

If user forgets password, they can click to forgot password. After clicking it will ask for username and new password and the password will be reset successfully.

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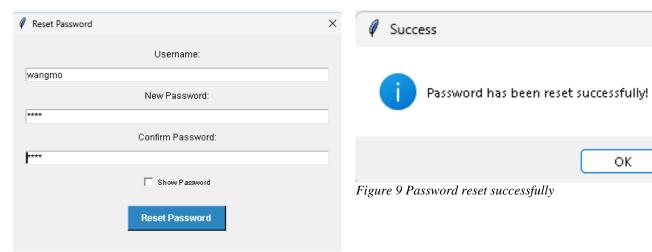


Figure 8 Reset password

Filtering

Users can filter tasks by status and priority.



Figure 10 Filtering by priority



Figure 11 Filtering by status

Reminder

Users can add reminders to your tasks and view them anytime. Set dates, times, and optional messages for important deadlines.

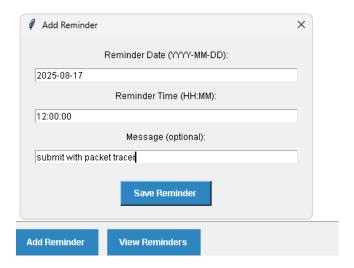


Figure 12 Add reminder

Logout

After everything users can logout

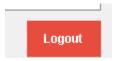


Figure 13 Logout

Dark Mode / Theming

Users can customize their interface by turning on dark mode.

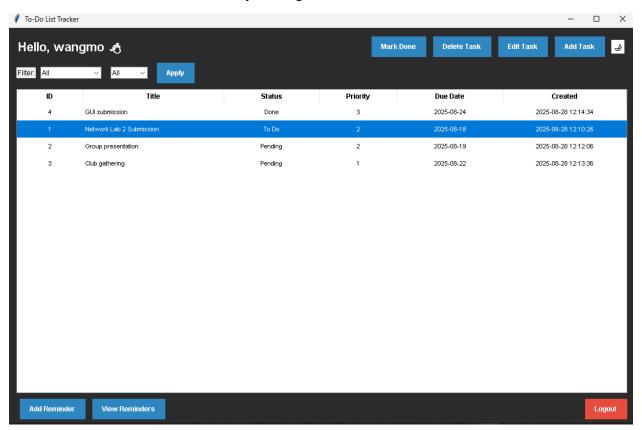


Figure 14 Dark mode/ Theme

Conclusion

The development of this To-Do List Tracker application has successfully resulted in a comprehensive productivity tool that effectively addresses the core requirements of task management while incorporating advanced features that enhance user experience. The application demonstrates robust functionality through its secure authentication system, intuitive task management capabilities, and thoughtful additional features like intelligent filtering, reminder systems, and customizable theming.

Throughout the development process, particular attention was paid to creating an interface that is both visually appealing and functionally efficient. The dark mode option, responsive design elements, and clear user feedback mechanisms contribute to an engaging user experience. The integration of SQLite database ensures data reliability and persistence, while the object-oriented design approach allows for maintainability and future expansion.

This project successfully showcases the implementation of fundamental programming principles alongside modern user interface considerations. The application stands as a testament to the effective combination of functionality and usability, providing users with a powerful yet accessible tool for managing their daily tasks and responsibilities. The features implemented not only meet basic task management needs but also anticipate user preferences for customization and control, resulting in a polished, professional application ready for real-world use.