

# Personal Diary Management System (C Implementation)

Welcome to your personal operating system! This software implemented in the C programming language provides users with a secure and organized platform to manage personal diaries and to-do lists.

## Features:

- 1. Password Protected Login and Register Page:** Ensure privacy and security with password authentication. New users can register an account securely.
- 2. Welcome Page:** After a successful login, users are greeted with a personalized welcome page that enhances the user experience.
- 3. Main Menu:** Easily browse system functions with a main menu that provides access to journal entries, task lists and settings.
- 4. Manage journals:** Create, edit and organize journals efficiently. Favorite entries can be starred for quick access.
- 5. Manage your to-do list:** Track tasks, set deadlines and mark tasks as complete with the built-in to-do list.
- 6. Editor:** Easily write journals using the built-in editor with text formatting options for customization.
- 7. Date and time display:** Each entry shows the date and time it was created or last modified, making it easy to organize chronologically.

## Getting Started:

### Prerequisites:

Before running the Personal Diary Management System, ensure you have the following installed:

- A C compiler (e.g., gcc)
- Basic understanding of C programming

### Compilation:

Compile the program using a C compiler. Open your terminal or command prompt and navigate to the directory containing the source code files.

```
gcc main.c -o diary_manager
```

Running the Program:

Execute the compiled binary to start the program.

```
./diary_manager
```

## Usage:

- 1. Register:** If you're a new user, register for an account securely using the provided option.
- 2. Login:** Once registered, login with your username and password to access the system.
- 3. Explore:** Navigate through the main menu to access different features such as diary entries, to-do lists, and settings.
- 4. Write Entries:** Start writing diary entries using the editor. Save your entries for future reference.
- 5. Manage Tasks:** Keep track of tasks by adding them to your to-do list. Set deadlines and mark tasks as complete as needed.
- 6. Edit Entries:** Make changes to existing diary entries or to-do list items easily using the provided options.
- 7. Logout:** Remember to log out of the system when you're done to protect your privacy.

## Conclusion

The personal diary management system implemented in c programming language provides users with a reliable and efficient way to manage their personal diary.