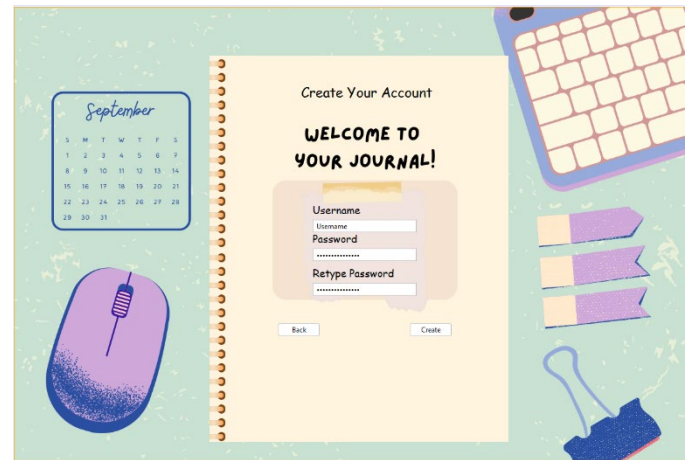


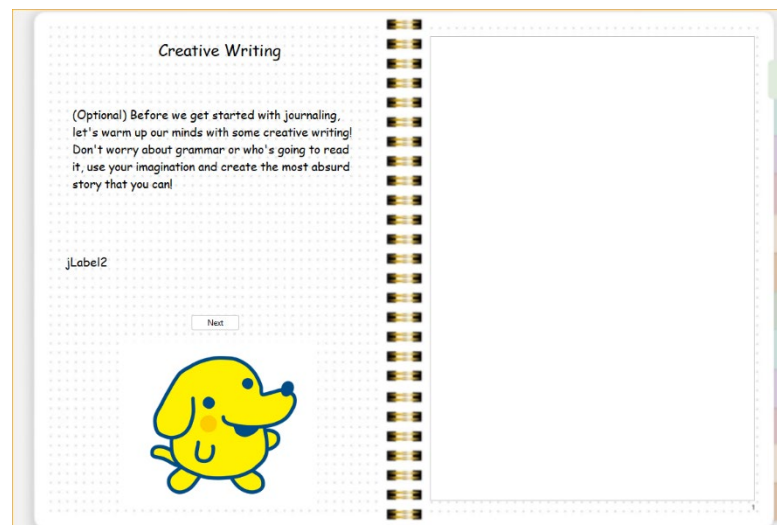
AI-Powered Journaling Companion Documentation

Journaling has become a common practice for many people today—some use it as a stress reliever, while others use it to process thoughts and emotions. However, one challenge everyone faces at times is writer’s block. I created an app called *Drift Journal* to assist users in finding their thoughts for journaling. For this project, I used Java in Apache NetBeans to create a journaling GUI.

In the app, it starts off with a login page, checks if the user and password match, if it doesn’t then it would send a message telling the user that something is wrong. If the user doesn’t have an account, they can create one with the “create button”.

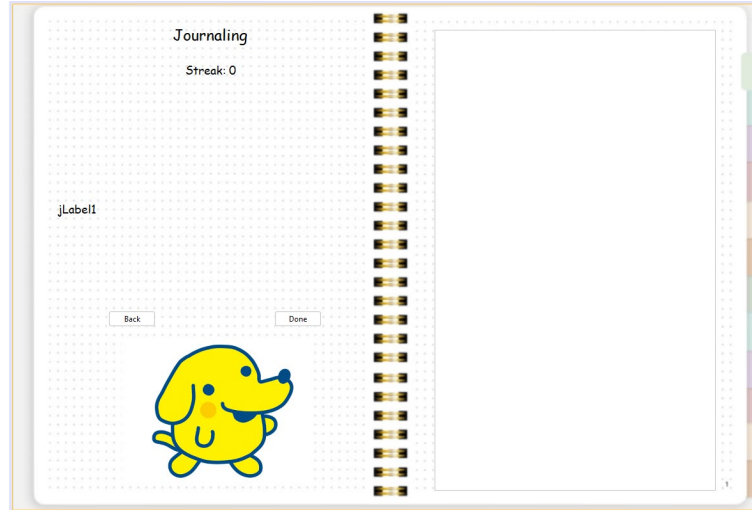


Once they log in, they are greeted with a “creative writing” page, this page is optional for the user, and they can skip it if needed. This creative writing page is meant to help the user get their minds warmed up.



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When the user clicks “next”, the user will see the journaling page, where the AI will do its magic. This AI will give optional writing prompts for the user if they are stuck, the prompts are based on what they wrote in their journal before. If the user is new or the journal doesn’t mention anything specific, the AI will propose a random prompt for the users to build up on.



The journal, password and username are all saved and encrypted using a simple Caesar cipher so no one can look at the contents or log in. Some incentives the application has is a streak counter to let the users know how consistent they’ve been. There is also a little pet companion, inspired by Tamagotchi. The pet grows each time the user logs in, and if the user doesn’t log in for a while, it affects the pet’s mental health.

There are many improvements that could be made, security would be a big one. Ceasar Cipher is simple but also can be decrypted with brute force. The AI could also be made to ask more specific questions as more time goes on. The design could also be made to have better transitions when the buttons are clicked, maybe the pages can be flipped so to make the app more visually appealing for the users.