

# Simple Note

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# Description

## Overview

Our software project, SimpleNote, is a mobile application that is used to create notes and keep track of tasks. Similar to Google Keep, users can use SimpleNote to store and organize notes or images, create task lists that the user can check off, and share their notes with others. We want SimpleNote to be functionally the same as Google Keep, in that users can use the app to organize their thoughts in any way they want.

## Architecture

Upon opening of SimpleNote, a user is prompted with a login screen, along with a button to create a new account.

Using a valid username and password, the User can now enter into their “gallery”, where their Notes can be viewed as tiles in a grid-like fashion. Labels also show up on this screen as “grid-tiles” near the top of the page. Notes are arranged from left to right, up and down based on time created. The user can create a new Note or click on a previously created note to edit it.

Notes can contain pictures and/or drawings. Drawings will overlay existing pictures. These will always be situated at the top of a Note.

A Note’s textbody can either be a list or a text-based note but not both. Lists feature a checkbox feature, where a user can checkoff things from the list.

Note’s can also be further customized by changing the Color of the Note and its Label. The Color of a Note is pretty self explanatory. This feature changes the background color of a Note. Labels are used to organize Notes. Labels are user defined, although there is a default Label used for all Notes.

As bonus features that we might not get to:

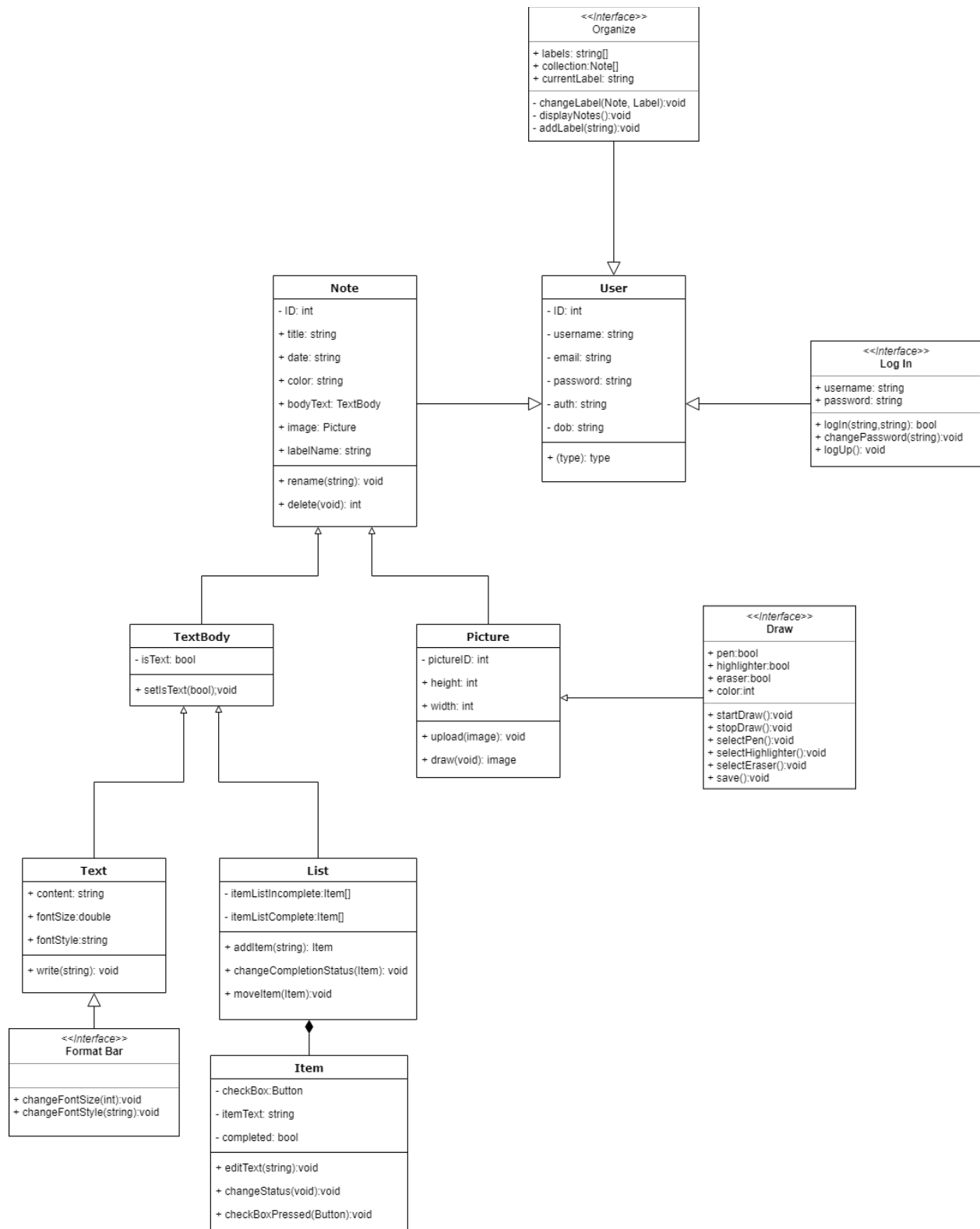
Notes can also included recorded audio. This will most likely be mutually exclusive to text/lists.

Notes will also have the ability to set reminders for you. Naturally, these Notes will require an input of date and time.

Notes can be rendered “Private” and can only be accessed via password.

Notes can be shared between users. This will most likely not make it into the finished product, but it is a good goal to keep in the horizons.

# UML Diagram



## Framework

Android Studio: This will be used for the base app. Main language is Java.

Firebase: For the backend such as user authentication, storing notes, and synching notes.