

Project Title

Noice (Android 8.0)

Description

Securely store your note and voice memos and access them from any android device. Create your account and begin writing notes and voice recordings. Easily search and filter through your saved memos on your personal dashboard.

Team Members

Kevin Wang	kwang43@ucsc.edu
Lior Peled	lpeled@ucsc.edu
Sean Bell	sbell1@ucsc.edu

Packages

Analytics	com.google.firebase:firebase-core:16.0.8
Authentication	com.google.firebase:firebase-auth:16.2.1
Cloud Storage	com.google.firebase:firebase-storage:16.1.0
Realtime Database	com.google.firebase:firebase-database:16.1.0
Card View	com.android.support:cardview-v7:28.0.0
Recycler View	com.android.support:recyclerview-v7:28.0.0

User Interactions

When starting the application, the user will be met with the *LoginActivity* which will accept an email and password. New users will be allowed to create a new account. A successful login using Firebase Authorization will bring the user to their personal dashboard.

The *DashboardActivity* will be the main activity and will display a list of saved memos using Recycler View. Each individual memo will be displayed in a Card View. A user can read or listen to a memo simply by clicking the card. To delete a memo, a user needs to long click the card and verify delete.

The dashboard also has a search tool which allows a user to sort memos by text/voice, date, as well as search for text memos by string.

A navigation widget is also available to allow users to create a new voice memo, create a new text memo, change account details, or logout.

The *TextMemoActivity* is an EditText form that accepts a title and note which will be stored in the Firebase Database. Once saved, the user will be returned to the dashboard.

The *VoiceMemoActivity* is a MediaRecorder that records audio and accepts a title as metadata. The mp3 file will be temporarily stored in internal storage while it asynchronously uploads to Firebase Storage. Once the upload process begins, the user will be returned to the dashboard.

The *AccountSettingsActivity* displays a users account information and allows changes which, once confirmed, will update Firebase Authorization. The user will be returned to the dashboard.

The logout button signs a user out from Firebase Authorization and returns them to the login activity.

* All database objects will be fetched into Java object models.

** All fetched data will be displayed through adapter views.