

HOMEWORK 2:

USER GUIDE/REQUIREMENTS

INTRODUCTION

For Homework 2 we have taken some of our code and strategies from homework 1 to create an android application. The application has two main activities, one to view and search all notes created, the other to add and edit notes. In addition to this there is also functionality to interface with android wear and google calendar. To summarize the new features we have added are:

- android application
- create and edit notes
- search through notes
- create event on google calendar
- push note to android wear

TOOLS

- GitHub
 - Branches
 - android_app: default branch, code for app and signed apk
 - Jramerize09-patch-1: Jorge's branch for testing junit
 - master: original branch with early docs and hw1 from both teams
- Software: Android Studio
- Language: Java

Installation:

1. Compile from source
2. Install android apk

Compile from source:

1. Download source code from github or create new android studio project from version control and copy paste the repo link
 - a. https://github.com/dsaffo/Comp330_Project2.git
 - b. Open project with android studio and wait for gradle to sync
2. Run the app with emulator

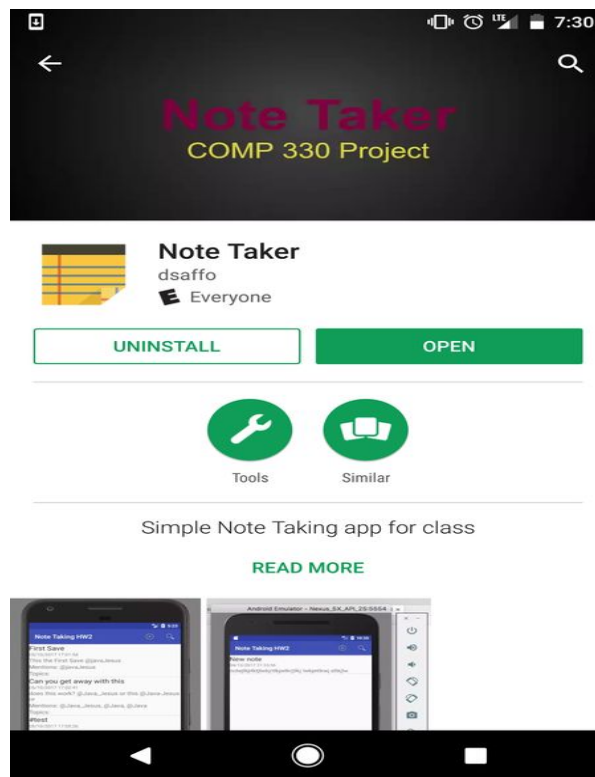
- a. If you choose to compile from source google calendar functionality will not work unless your clients sha1 is added to our google api console
 - i. If you wish to do this select the gradle menu on the right -> comp330_project2 -> tasks -> android and run signingReport and your sha1 key should be printed in the console
 - ii. Send Sha1 code to the group base camp or ping David so we can add your client
- b. Android wear functionality will work but connecting an android emulator to an android wear emulator is not officially supported. You can get around this by using a real android device and an android wear emulator as such
 - i. Start android wear emulator
 - ii. Connect phone with usb debugging enabled, install and run apk or compile source to it
 - iii. In a command prompt go to the location of adb.exe normal in your android sdk folder and run the following command: **adb -d forward tcp:5601 tcp:5601**
 - iv. Download the android wear app on your device and select connect with emulator from the settings drop down
 - v. Wait for the phone to connect

Install Android APK:

1. Enable 3rd party apps on android device
2. Download apk and install
 - a. Direct: <https://drive.google.com/file/d/0B3ZOUyBA58sQbURWcXJ6UVhCUmM/view?usp=sharing>
 - b. PlayStore: <https://play.google.com/store/apps/details?id=com.brendan.note-takinghw2&hl=en>
 - c. Search: search google play for dsaffo and note taker show
3. Run App
 - a. Same process to connect phone to android wear emulator as above

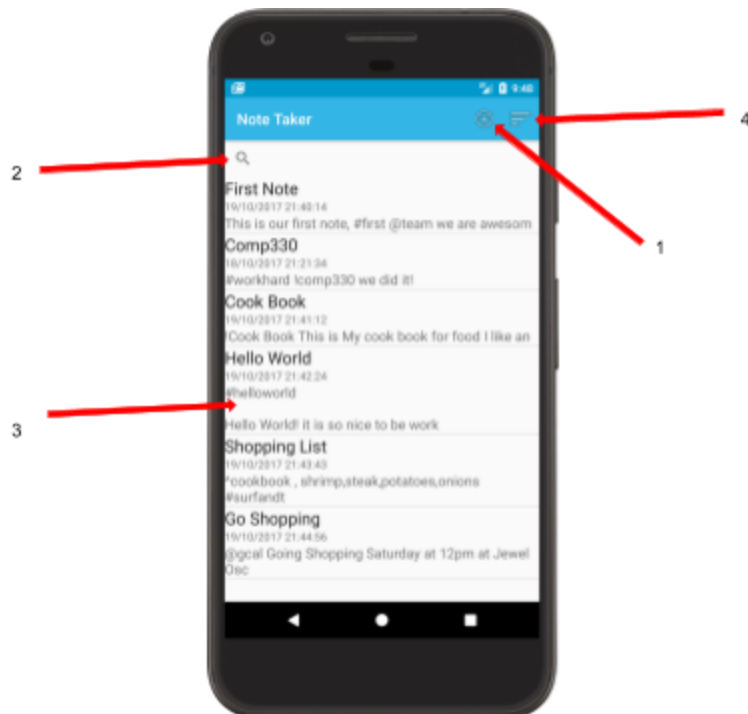
OVERVIEW

Step 1: Install app from app store:



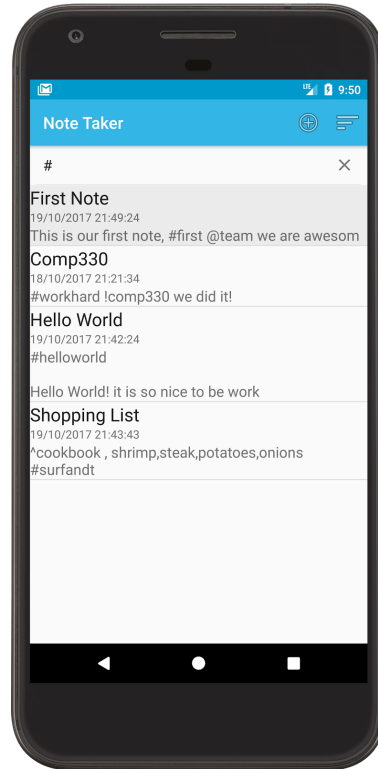
Home Page:

1. Add Note
2. Search
3. Tap to Edit
4. Topological Sort



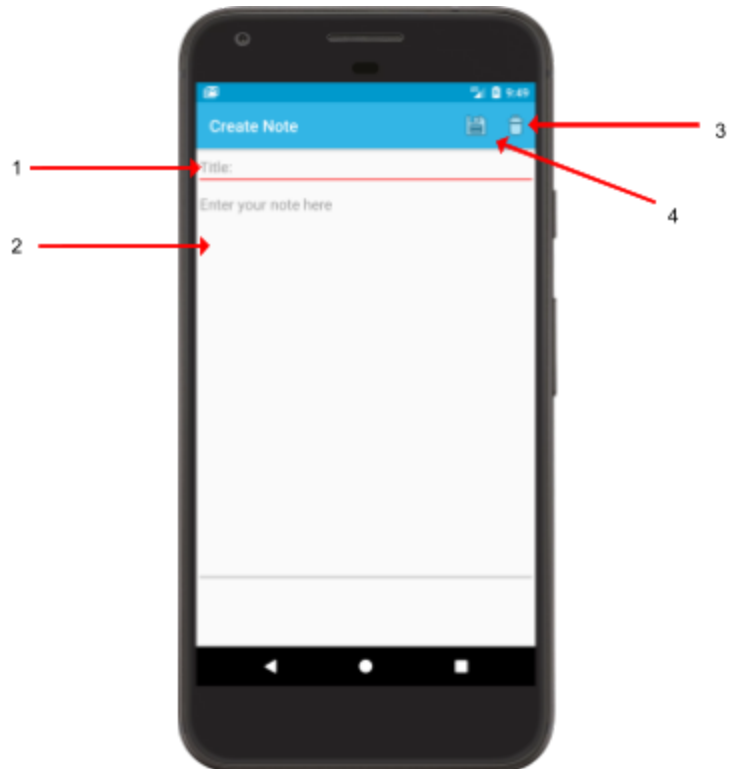
Search:

1. Type and word or mark to have every note with that word or mark shown here we search #
So only notes with topics are shown



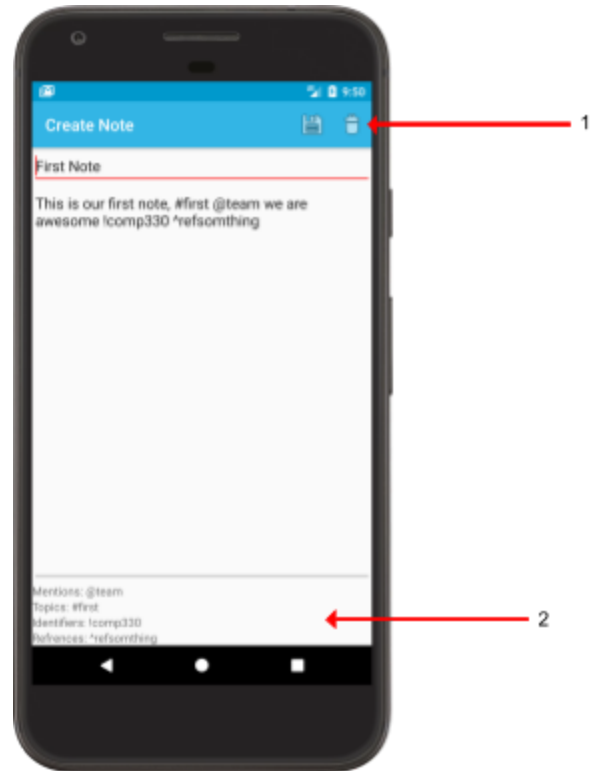
Note Creation:

1. Enter Title
2. Enter Content
3. Cancel
4. Save



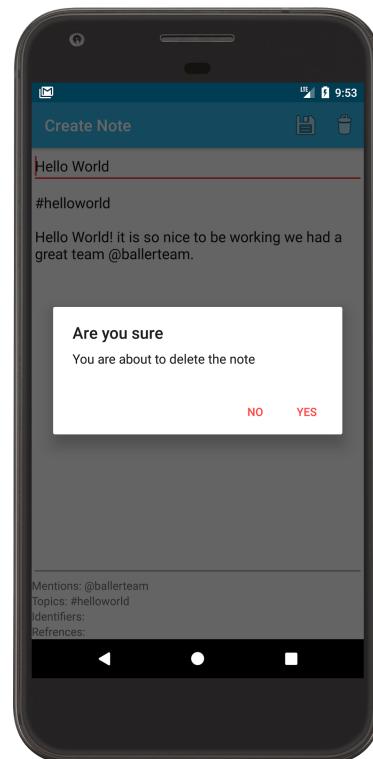
Note Editing:

1. Delete
2. Report of All Marks
3. Everything else same as creation



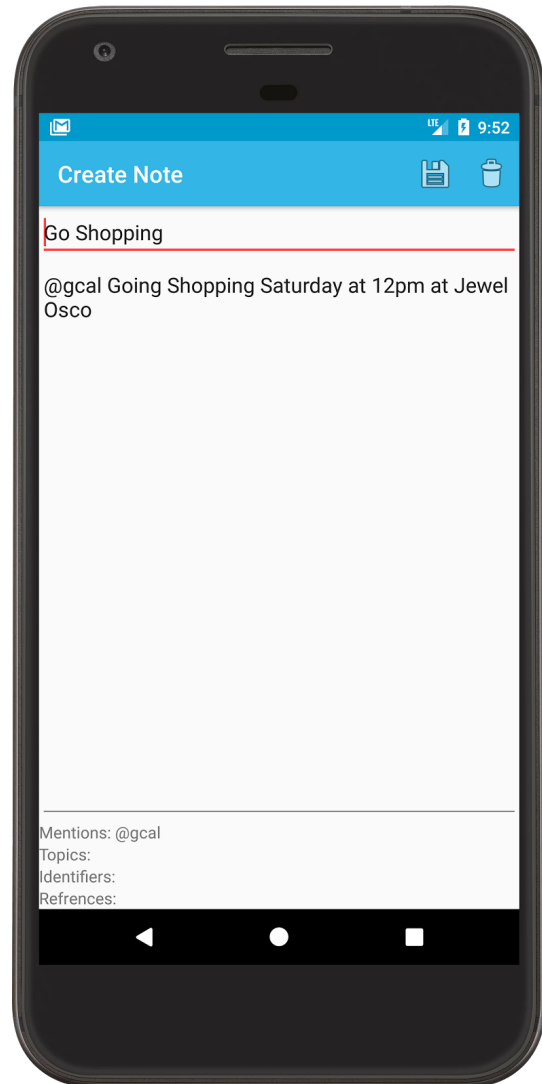
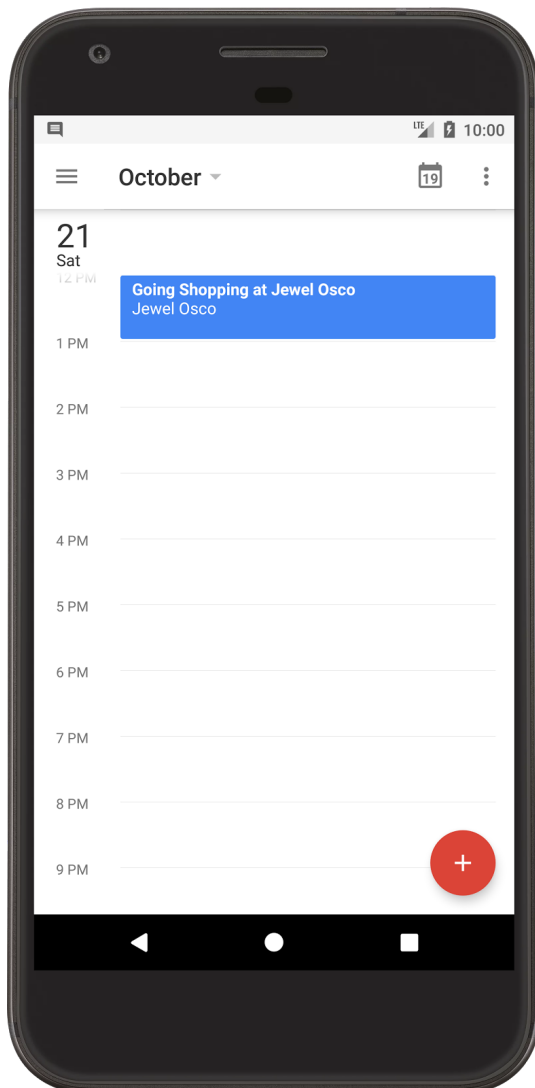
Delete Note Confirmation:

1. Will be asked if you want to delete or not before it actually happens



Google Calendar:

1. To Create and event type “@gcal” in the note body
2. The event will be based on the context of the content
If the content has no context event will be created for the current day at the current time



Google Watch:

1. To push a note to an android wear device
Type “@gwatch” in the content of the note
2. You will get a notification
On your phone and if there is a connected wear device there will be one there to
3. Tap the notification on the wear Device to access the notes action
The note will be shown and scrollable
4. Tap the return button to open the note
On the app again

