



# **Symposium COVID Self-Report**

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## Starting off...

We had to think of something:

- Had Impact or Was Useful

### BRAINSTORMING - android

- recording: covid status.
  - ↳ studio maker environment.
- Lion tuss: what are you off

~~\*~~ tracking CPP parking sys  
↳ crowd source  
↳ opt. & personalized lock.  
↳ ML: predictive modeling. } similar wayze  
↳ website / app. } coloring parking  
↳ pull uses → } ent's.

- automate finder
  - ↳ use finder API
  - ↳ exception handling: dealing w/ pop-ups
  - ↳ type of person you're most attracted to.
    - ↳ % of ideal person
    - ↳ use it to guide swipe.

↳ automating python

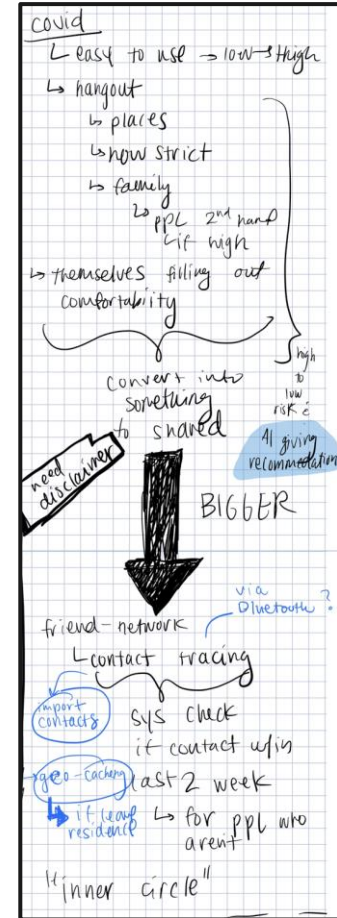
- Java
- android app maker

# Progress!

Landing on a topic!

Using some basics of Agile

- Weekly Agile based check-ins
- Focused on development of a POC
- Bigger Ideas for future



## Steps for COVID App

1. Develop the initial survey.
  - a. This should ask people about their health, living situation, level of comfortability, etc.
  - b. Recorded into a JSON file, organized by each category.
  - c. Device specific?
2. Develop initial UI (with bottom navigation and stuff)
3. Read this and configure the app as it states: <https://developer.android.com/jetpack/guide>  
<https://developer.android.com/guide/components/activities/activity-lifecycle>
1. Daily check-in (intake)/2 week calendar/reporting system
  - a. Daily checkin should work together with the calendar.
  - b. Calendar displays daily checkin responses, showing what someone did each day and how they felt healthwise each day.
  - c. Calendar is retrospective, looking back 2 weeks.
  - d. Calendar functions as a log.

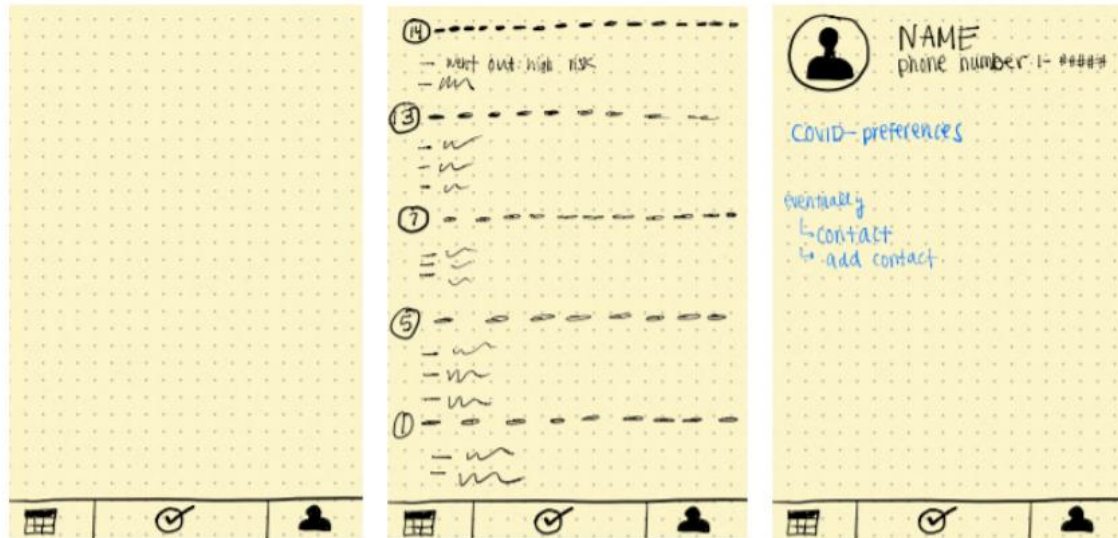


# First Steps

WBS NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE	Semester 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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# Designing the UI



# Designing the User Questionnaires

## INTAKE QUESTIONS:

1. How do you feel today? Any symptoms?

Symptoms: Sore throat, dry cough, loss of taste/smell

☐ MANY SYMPTOMS ☐ OK ☐ Peak of health

2. Have you gone out today, if so where?

☐ YES ☐ NO

← text box for filling out where

only if YES, source

2a. Did you see any friends, if so who?

☐ YES ☐ NO

this can be filled out many times in a day.

## Survey Questions when launching app

1. How @ RISK are you w/ COVID?

To clarify: NO RISK means you are not feeling any symptoms, and you are not going out. LOW RISK means you are feeling some symptoms, or you are going out, but you are not feeling any symptoms. HIGH RISK means you are feeling many symptoms, or you are going out, and you are feeling many symptoms.

☐ NO RISK ☐ LOW RISK ☐ HIGH RISK

If comfortable sharing, please disclose what puts you @ higher risk.

2. How @ RISK are those you reside w/?

☐ NO RISK ☐ LOW RISK ☐ HIGH RISK

If comfortable sharing, please disclose who & what puts them @ risk?

3. How comfortable are you w/ socializing?

☐ Not comfortable ☐ SO-SO ☐ very comfortable

4. If you are making plans, where are you comfortable going?

- ☐ Park
- ☐ Beach - weekend
- ☐ Beach - weekday
- ☐ Friends' House



# Developing a Budget

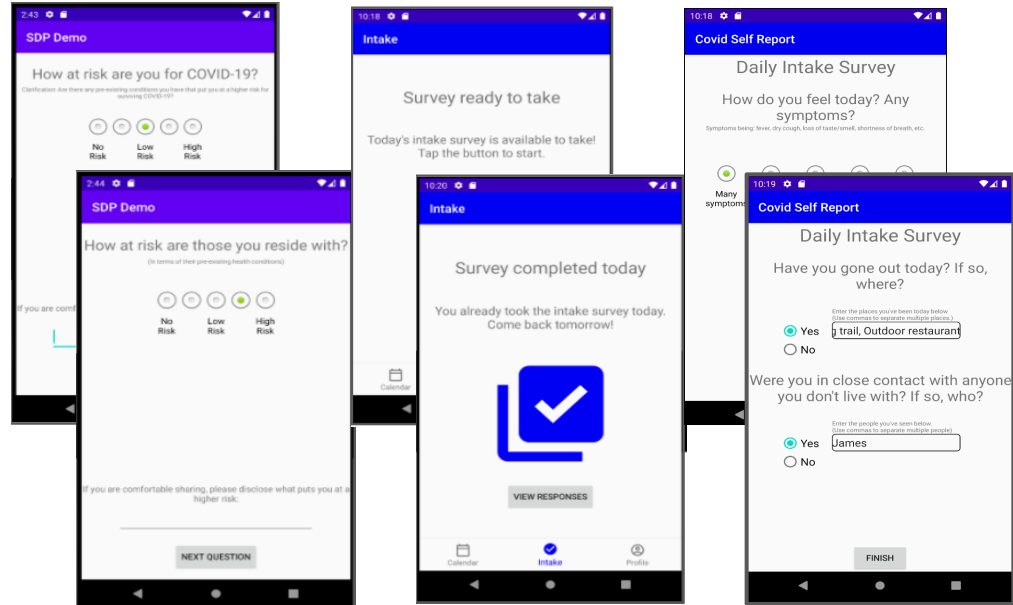
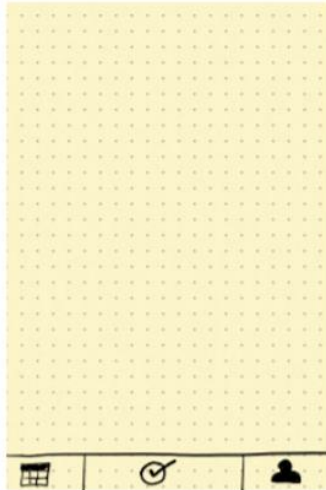
Through the Software Lifecycle...

- Through the use of open-source software, we were able to reduce our budget and avoid any expenses during the design cycle.
- Software:
  - Android Studio
    - What we used to code for the app
    - Contains all of the necessary libraries for the Android environment
  - BlueStacks (Android Emulator)
    - Connects directly to Android Studio
    - Used to test and debug the app

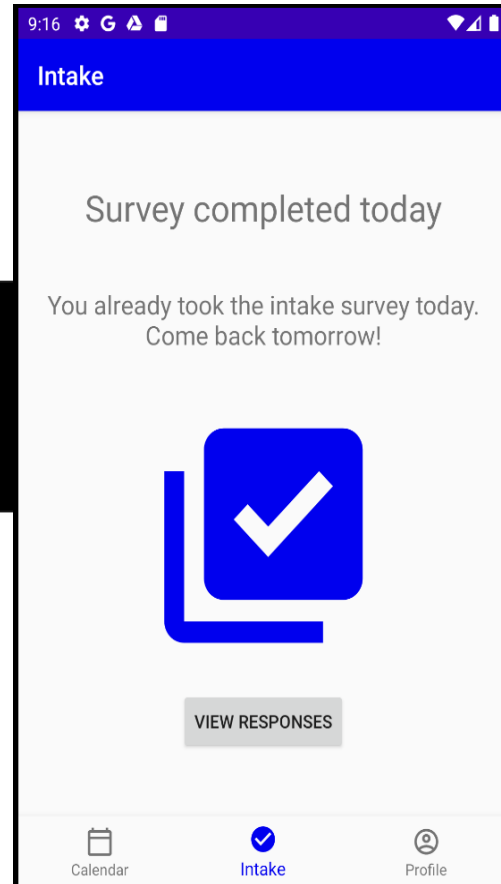
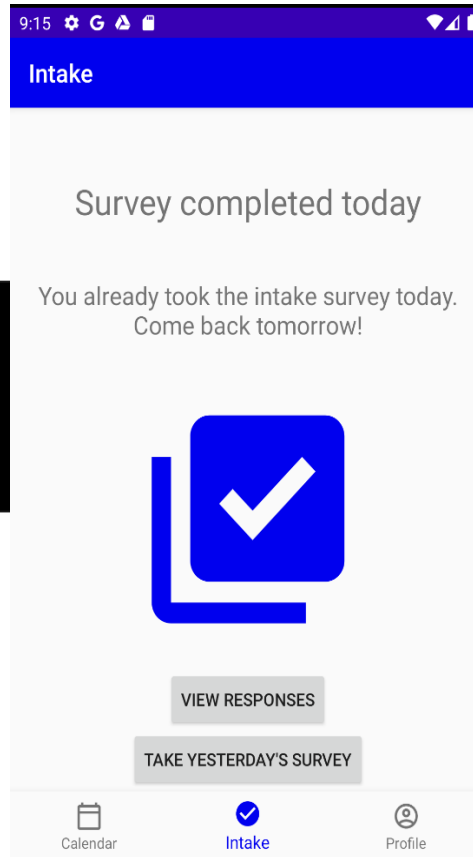
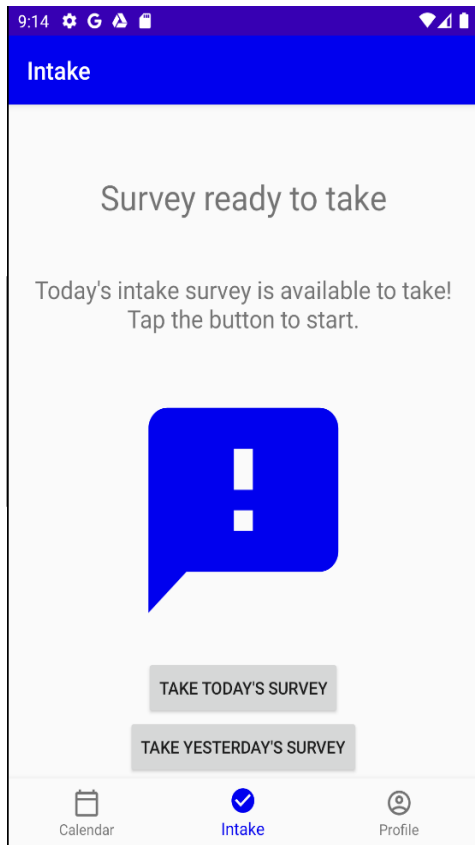




# Fully Developing the APP: Drawings to APP







10:18

Covid Self Report

Daily Intake Survey

How do you feel today? Any symptoms?

Symptoms being: fever, dry cough, loss of taste/smell, shortness of breath, etc.

☒

☐

☐

☐

☐

Many symptoms

Ok (one symptom)

Peak of health

NEXT QUESTION

10:19

Covid Self Report

Daily Intake Survey

Have you gone out today? If so, where?

Enter the places you've been today below  
(Use commas to separate multiple places.)

☒ Yes

☐ No

trail, Outdoor restaurant

Were you in close contact with anyone you don't live with? If so, who?

Enter the people you've seen below.  
(Use commas to separate multiple people)

☒ Yes

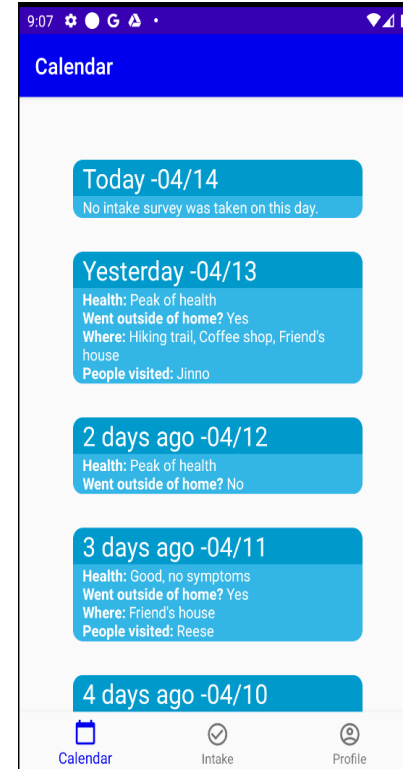
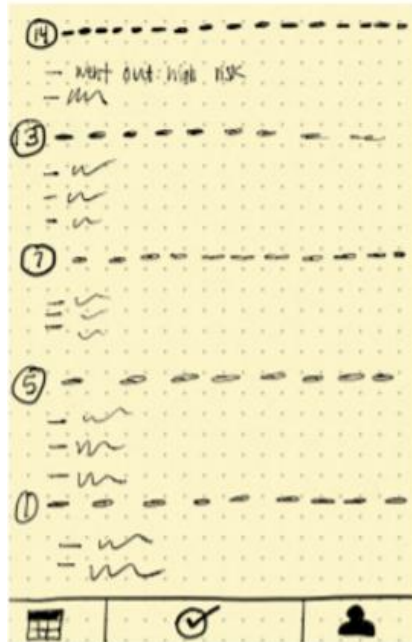
☐ No

James

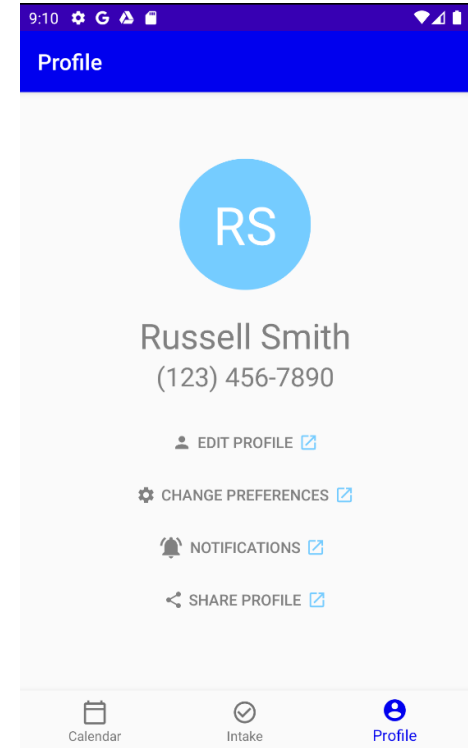
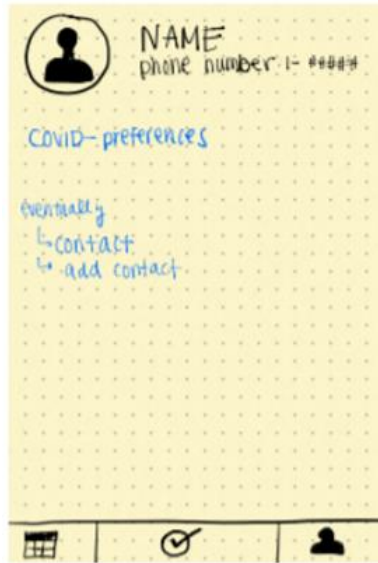
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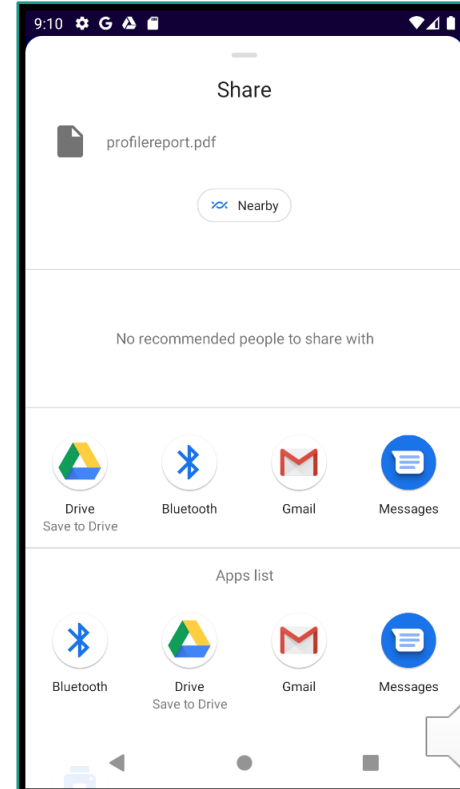
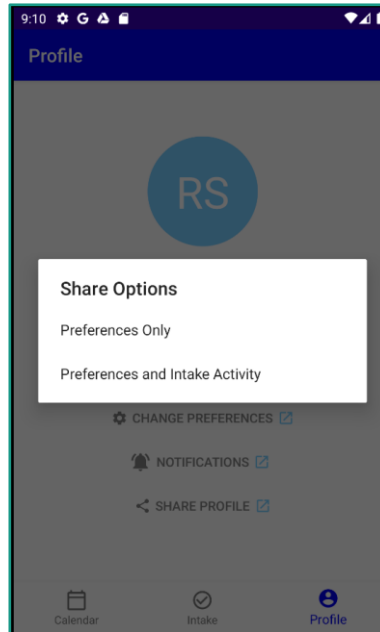
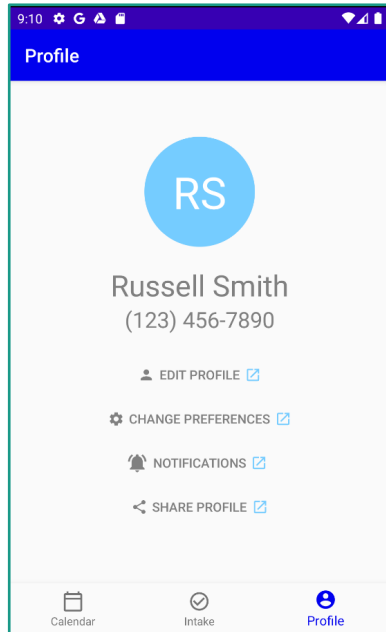
# Drawings to APP: Calendar



## Drawing to APP: Profile



# Sharing the Profile



# Sharing the Profile

## Sharing User Preferences only:

### Russell Smith's Health Report

Report generated on Thu Apr 15 12:01:36 PDT 2021

#### Preference Survey Responses:

**How at risk are you for COVID-19?**

No Risk

**How at risk are those you reside with?**

Low Risk

**Condition(s):** Older age

**How comfortable are you with socializing?**

Very Comfortable

**If you are making plans, where are you comfortable going?**

Park, Beach (Weekday), Beach (Weekend), Friend's home, Own home, Indoor shopping center, Outdoor shopping center, Grocery shopping, Hiking

**Are you vaccinated?**

Yes, fully vaccinated

## Sharing all Profile Info:

### Russell Smith's Health Report

Report generated on Thu Apr 15 12:01:36 PDT 2021

#### Preference Survey Responses:

**How at risk are you for COVID-19?**

No Risk

**How at risk are those you reside with?**

Low Risk

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Very Comfortable

**If you are making plans, where are you comfortable going?**

Park, Beach (Weekday), Beach (Weekend), Friend's home, Own home, Indoor shopping center, Outdoor shopping center, Grocery shopping, Hiking

**Are you vaccinated?**

Yes, fully vaccinated

#### Daily Intake Responses:

**Today:**

No intake survey was taken on this day.

**1 day ago:**

*How do you feel today? Any symptoms?*

Peak of Health

*Have you gone out today? If so, where?*

No

*Where:*

With whom:

**2 days ago:**

*How do you feel today? Any symptoms?*

Peak of Health

*Have you gone out today? If so, where?*

No

*Where:*

With whom:

**3 days ago:**

*How do you feel today? Any symptoms?*

Peak of Health

*Have you gone out today? If so, where?*

No

**4 days ago:**

*How do you feel today? Any symptoms?*

Relatively Well

*Have you gone out today? If so, where?*

Yes

*Where:* Friend's house,

*With whom:* Reese

**5 days ago:**

*How do you feel today? Any symptoms?*

Peak of Health

*Have you gone out today? If so, where?*

Yes

*Where:* Work (Starbucks), Outdoor restaurant,

*With whom:* Jinno, Ashley, Mara

**6 days ago:**

*How do you feel today? Any symptoms?*

Peak of Health

*Have you gone out today? If so, where?*

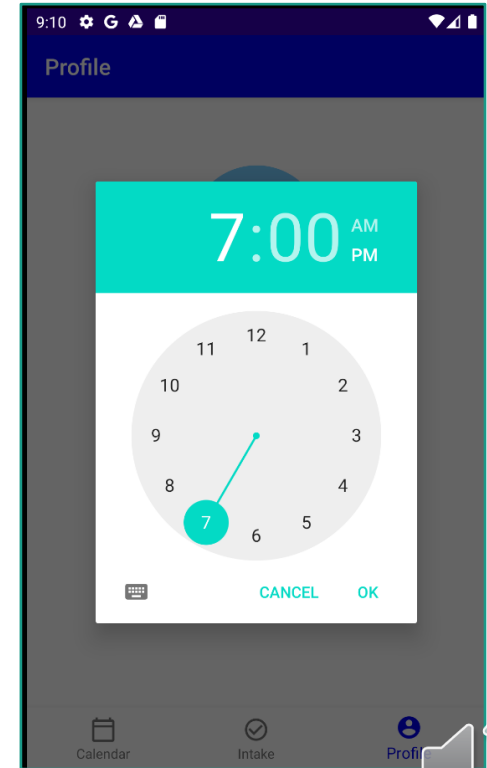
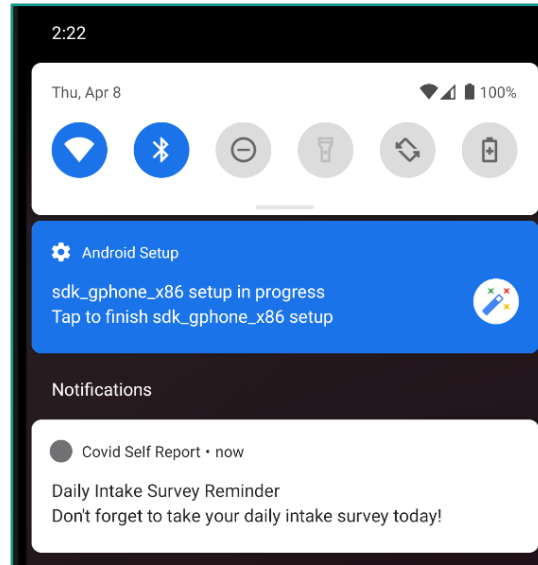
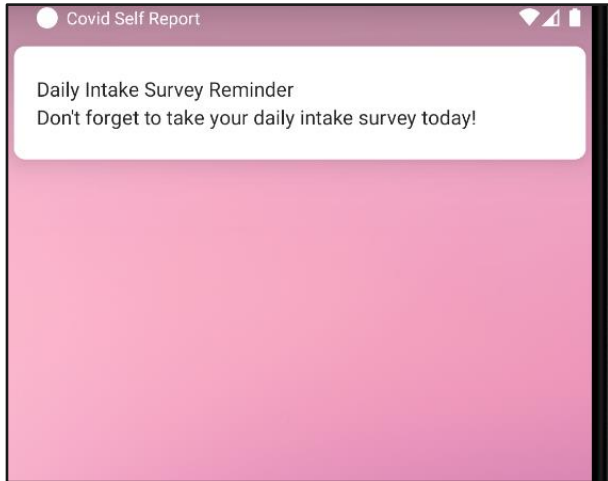
Yes

*Where:* Work (Starbucks),

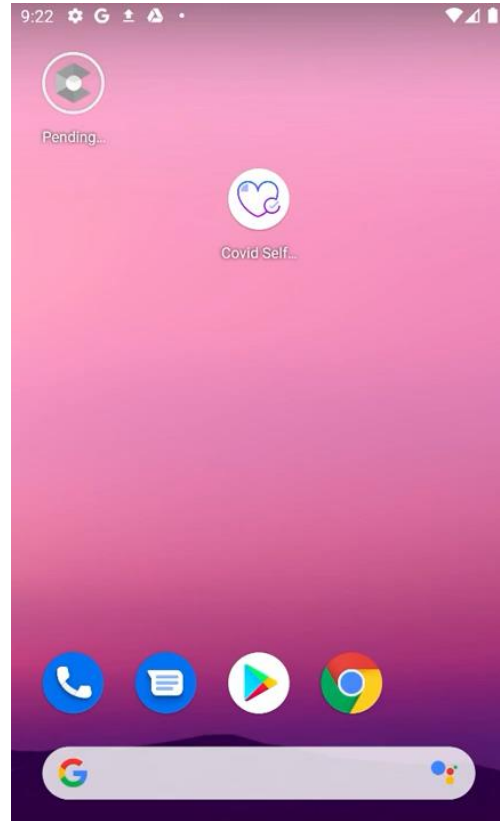




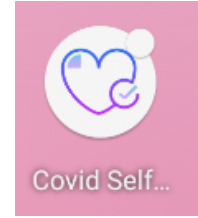
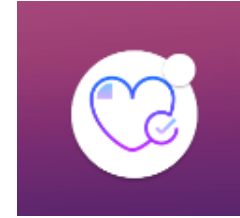
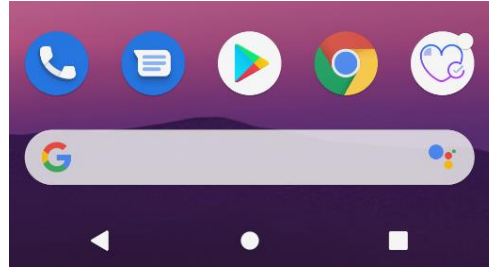
# Add-ons: Daily Reminder Notifications



  
**DEMO:**



## Where we are now...



The app has been finished:

We have finalized a release version of the app.

- This entails adding a digital signature to the app to verify who the developer is when users download it.
- We have converted it into an APK (Android Package) file that users can download from the internet



## Where we see this project going:

- Development of a sharing mechanism
  - Feature to parse database and copy to clipboard
  - Built-in sms invite option
  - Built-in email widget
- Development of SQLite Database to store user(s) input
- “Progressive enhancement” app development and deployment

