Android Dev Final Project

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The features I have completed:

- Support of multiple brew methods for different situations:

   - In the app, there are four different kinds of brew method you can choose from. Each of them has it's own profile and presets.
- Presets with customization:
   - Every parameters in the app is preconfigured and can be changed by the users. Also, when the user is type something wrong, the app will notify the user to correct it. If user has something incomplete, the app will try to fill up parameters for them.

- A 2D graphic curve view as the brewing progress:

   - As the setting of user, for each intervals, the target weight and time countdown will change and below that, the drawing of curves will change too. The slope of the curve will reflect how fast the user should pour the water.
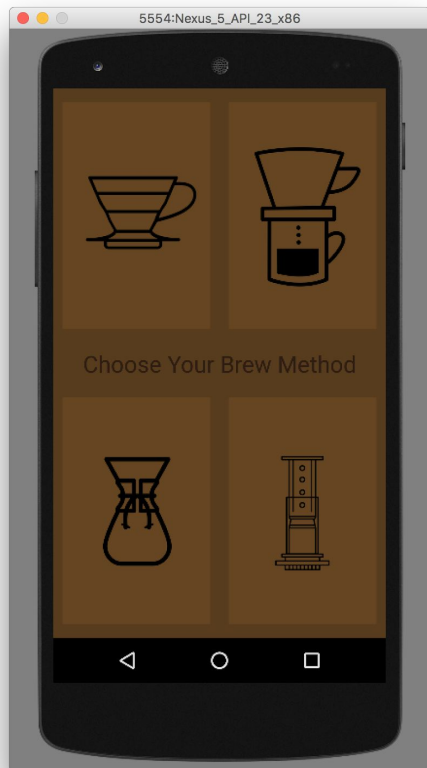- Interval setting by the user
   - This feature is every unique as compared to other coffee timers. As people pursuing better and better taste of coffee, manual brewing is the only way to go and to get precise control of the brew. One must regulate the pouring according to a preset of procedures. The interval setting is one of the methods that can achieve that goal.
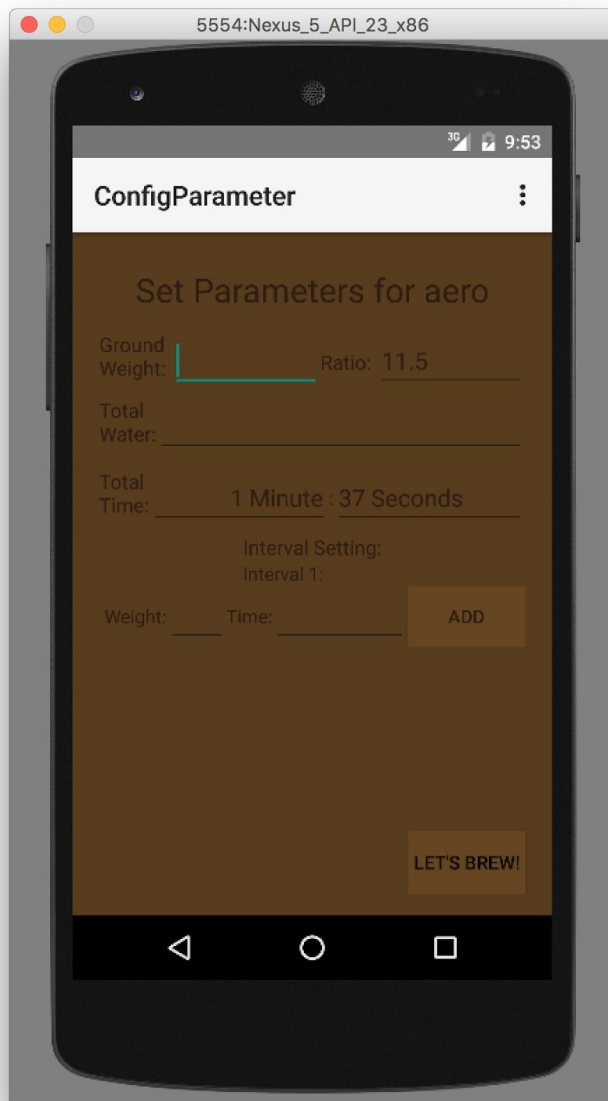- A cupping page for users to write the taste report.

Details for each screen:
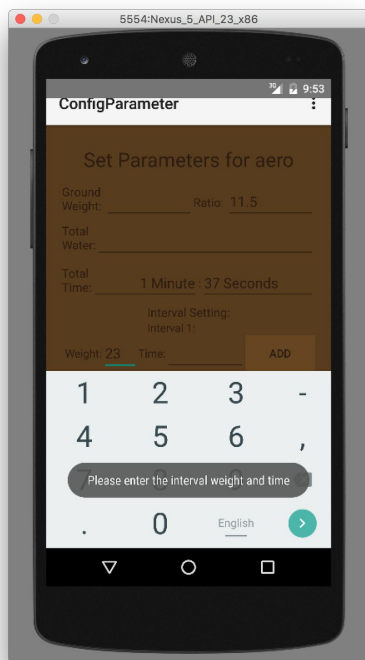
- Below is the first screen of the app:

    - User can choose from four brew methods with presets from these pictures.
    - I chose this layout because I think my target user don't need text explanation for each method because whoever use this app must have known quite a lot coffee knowledge.
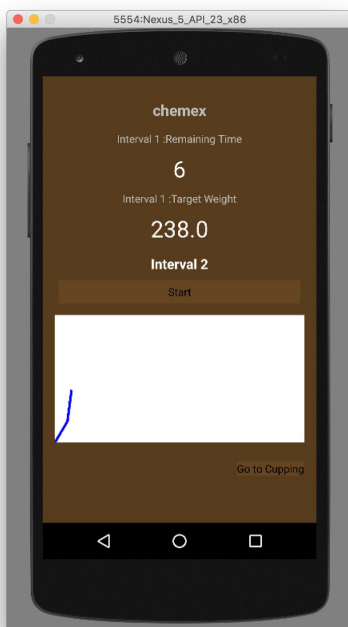
- Below is the second screen:

    - For this screen, user must at least enter the coffee weight by himself. Others will be computed accordingly.

 - Other parameter can be set by the user as he want, new result will be computed as he type the number.

 - At the end the screen is the setting for manual interval of the brewing, one can add a set of interval time and weight and then pouring the water according to those configures.

 - A number of controls are added to the app to ensure the correct format and settings are added to the brew configures.
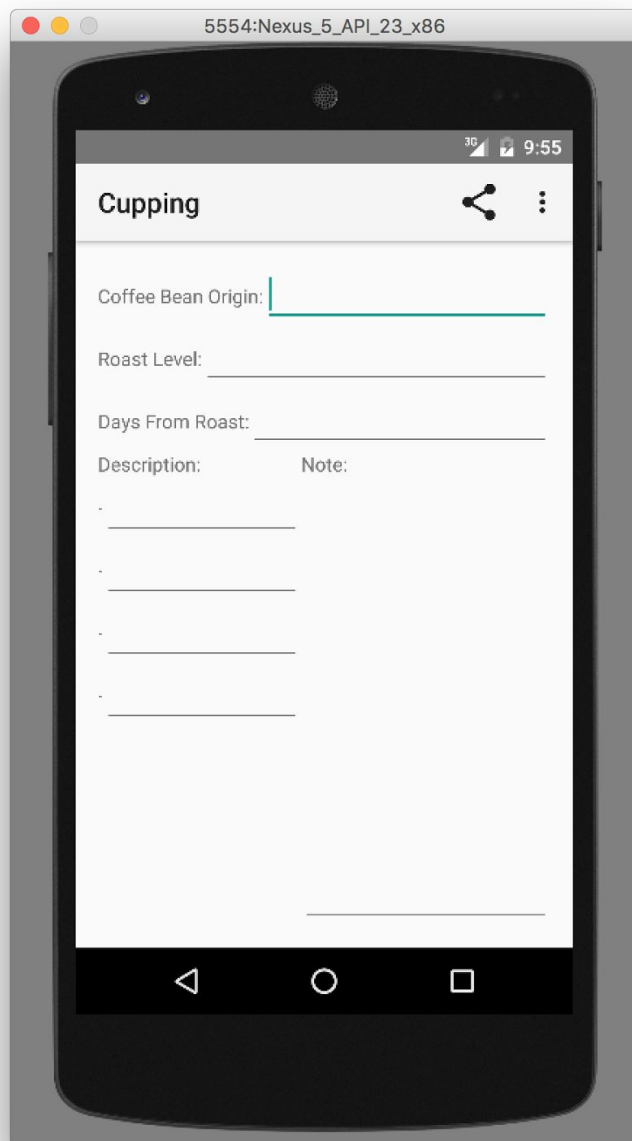
- For example:

- Next is the actual brewing interface:

- This screen was inspired by a companion app for a commercial product call Acaia Scale. The scale will pass the real-time weight of the coffee to the phone app and teach you how to brew a better cup of coffee. I thought I can realize this feature to some extent by giving user brewing curve and "manual" notice of the brewing progress.
- A lot more could be done in this screen, the curve is not that pretty in my opinion and more ways of notice could add more usabilities and convenience. For example: voice notifications and screen flashes. I didn't do them because of the time constrains and I hope to make it more usable in the winter breaks.
- Next is the cupping screen:

- Cupping screen is straightforward and simple. User can review his brewing result by typing the information in this screen.

Unfinished or partially-completed feature

- As I stated in the description of the brewing screen, a lot of features could be added to this screen. This screen is most import feature for this app.
- Also, the cupping screen need more polishing and functionalities.
- The drawing of the brewing screen could be more beautiful.