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Brewer's Notepad

Description

Allows creation of beer recipes on the fly. Your recipes will be stored locally as well as on your google account if you wish to sign in with it. While creating your recepie you will have full control over all major parameters(choosing malt, hops, brewing temperatures etc.) as well as all the little intricacies involved in a successful brew. You will be able to pick pre-existing malt and hop varieties from our repository. You will be able to share your own recepies on the fly, or export them into a printable format. A built in timer for hop addition will be available, which you can trigger.You will also be able to re-size your recipe batches dynamically by scaling the ratios in your recipe based on how much malt/hops you have or target brew volume.

Intended User

People who are doing homebrewing and need a reliable and easy way to manage and store their recipes.
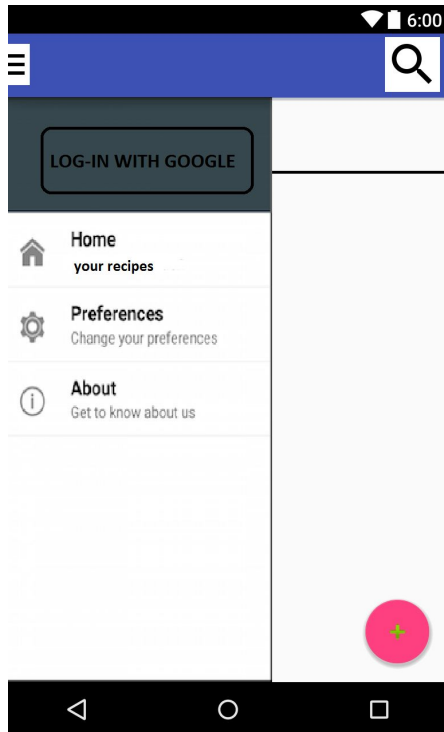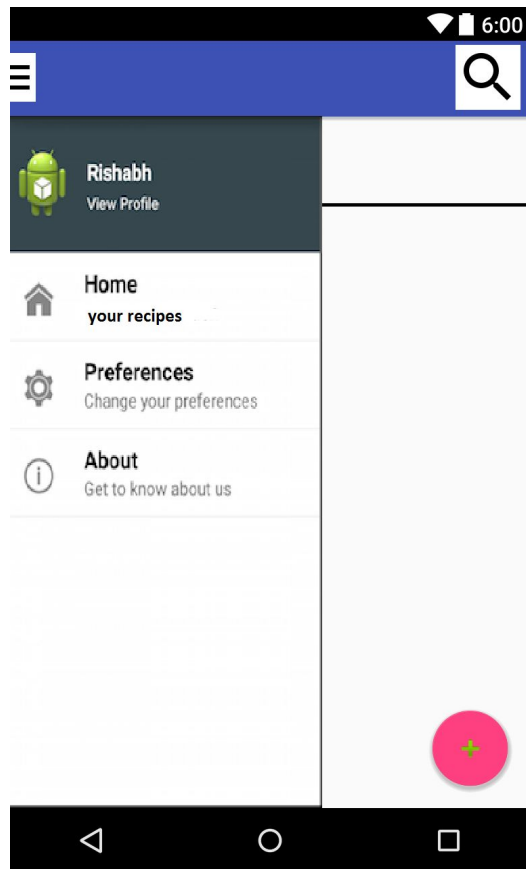
Features

Main Features:
- Create your own recipes
- Store your recipes in your google account.
- Time your hop additions with our built in timer
- Hop timer is also watch-enabled
- Ability to re-size recipe quantity
- Share your recipes via standard android Sharing

Export your recipe for printing or viewing on an external sourceUser Interface Mocks
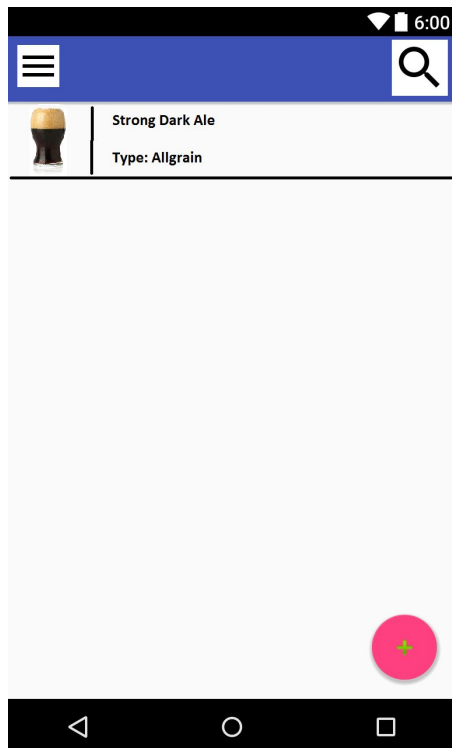
1.Home Screen upon first startup(prompting to login with google from side menu)

2.Side menu when logged in

3.Home screen with side menu hidden

4.Create recipe view(when + fab button is clicked from home view)

The + signs means that you will be able to add more Grain and Hop entries.

5.Create recipe continued(fermentation phase + icon add)

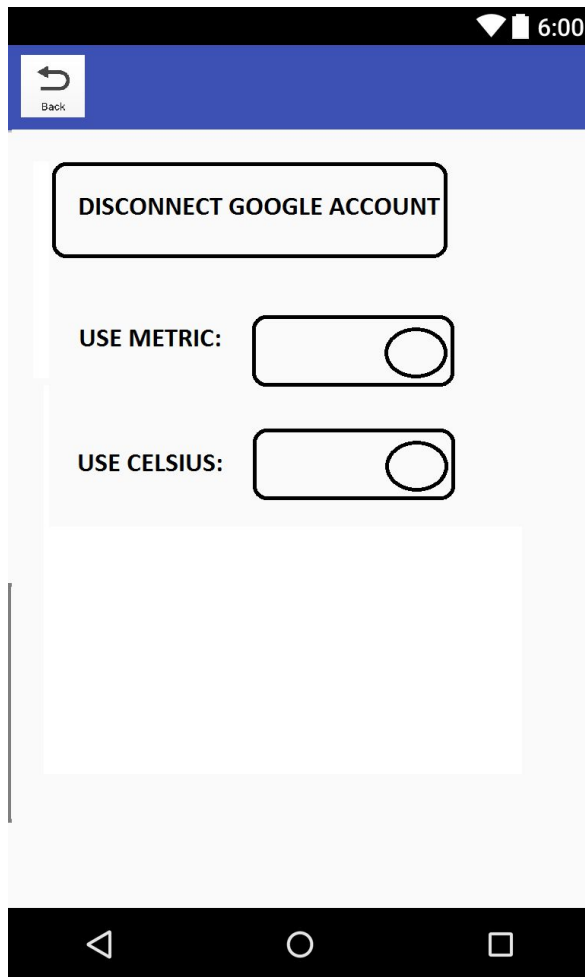## 6.Activity for Viewing Recipe

Ability to start a Hop Phase Timer or Add a calendar event for when your brew has finished fermenting.

7.Preferences View

Key Considerations

How will your app handle data persistence?

Data will be persisted to local storage(sqlite) as well as google(if permission is given).

Describe any corner cases in the UX.

If the user has a connected smart watch, starting the hop timer will appear on their watch instead of their phone. Deleting recipes will happen with a long press on the item they wish to delete, after which a prompt will be displayed asking for confirmation. If the recipe list becomes too large, users will be able to filter that list by using the search icon in the main view.

Describe any libraries you'll be using and share your reasoning for including them.

Picasso for managing pictures.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

1. Create a simple project
2. Add necessary libraries(might add more on the go)
3. Commit project to SVN.

Task 2: Implement UI for Each Activity and Fragment

- Build activity for creation of recipes
- Build activity for displaying details of a recipe
- Build an activity to list your recipes

Task 3: Implement recipe core functionality

- Implement a storage mechanism for your recipes
- Find a way to auto-complete malt/hop varieties within recipe creation activity
- Implement the timer for following hop additions during brewing
- Implement a re-sizer which will enable the user to set their target water or malt and re-calculate their malt/hop quantities based on their ratios

Task 4: Implement additional functionality
- Implement a functionality to share your recipes to other apps(viber,skype,messenger etc.)
- Implement functionality for exporting recipe as a doc/txt
- Implement app settings to switch between different measuring unit types(this will also be persisted)

Task 5: Enable watch countdown timer

- If a watch is available, use that for "hop additon timer" instead of phone.