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# BeerAC

## Description

Going out with your buddies to have a few pints? Track you BAC so you don't do something stupid.

Find out more about the beer that is quenching your thirst. Develop a beer tasting palette by discovering what you are about to drink before you drink it and what it should taste like.

Also, not to mention, what to expect from the aroma and hopiness of a satisfying beer.

## Intended User

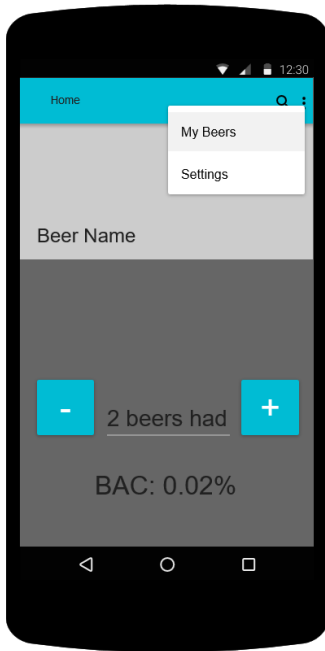
Beer enthusiasts and general curious people of beer culture.

## Features

- Calculates BAC
- Searches beers
- Save beers
- Displays beer details

## User Interface Mocks

### Screen 1



Home Screen: displays the beer being consumed by user. Also, has a 'beer consumed counter' that automatically calculates BAC (blood alcohol level) and updates the BAC textfield.

### Screen 2



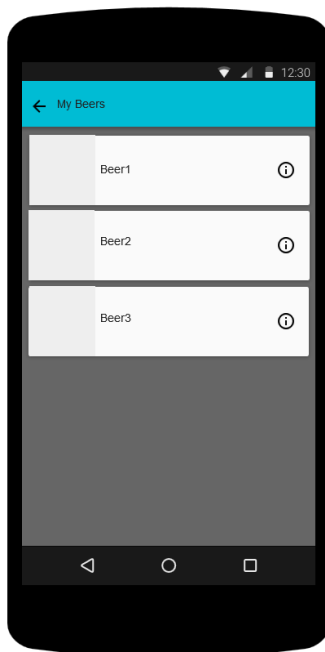
Search: displays a list of beers based on the search criteria provided by the user in the search bar.

## Screen 3



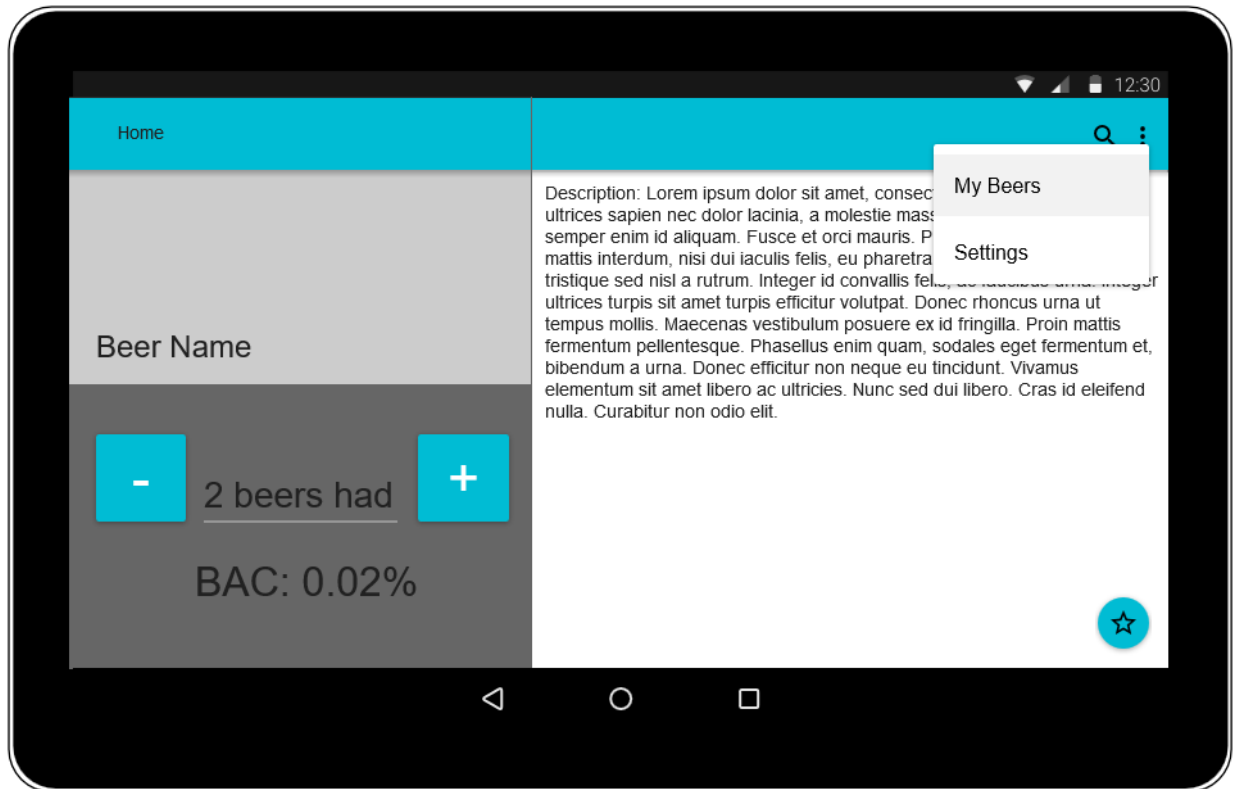
Details: displays beer details such as name, origins, decription, etc.

## Screen 4



Saves: a list of beers that the user saved for later reference or because they liked it

## Tablet Mode



Tablet mode is master detail flow of the home screen and detail screen.

## Key Considerations

### How will your app handle data persistence?

Content Provider: stores beers saved by user

SharedPreferences: holds values such as user location, gender, local standard drink size

### Describe any corner cases in the UX.

N/A

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

Picasso: used to load and cache images

OKHttp: used to load data from third party api

### Describe how you will implement Google Play Services.

Admob: used to display ads in the search screen of the app.

Location: used to get users location to determine standard drink size

Analytics: used to gather data about user interactions with the app

## 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

- Configure project for debug and release build variants
- Configure tests
- Configure gradle dependencies for
  - Picasso
  - OKHttp
  - Location Services
  - Admob
  - Analytics

### Task 2: Implement UI for Each Activity and Fragment

- Build UI for Home
- Build UI for Detail
- Build UI for Search
- Build UI for Saves
- Implement accessibility

### Task 3: Content Provider

- Implement Contracts
- Implement Provider
- Implement DbHelper

### Task 4: Shared Preferences

- Implement shared prefs
- Implement setting activity

### Task 5: Locations

- Implement location services

### **Task 6: Build BAC calculator**

- Get location
- Get standard drink size
- Get user data (gender)
- Do the math

### **Task 7: Admob**

- Implement admob

### **Task 8: Analytics**

- Implement analytics

### **Task 9: Tablet Mode**

- Implement tablet mode

### **Task 10: Widget**

- Implement widget