Bike Kollective

Usage Instructions

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Starting the app on your emulator or physical device

Please read and follow the directions in the "Getting Started" section of the README.md file in the project repository. The rest of these steps assume you have the application running on a mobile device or emulator.

Creating an account

When the app loads for the first time, you will be required to login with an existing account or create a new one. If creating a new account, click the "Sign Up" text and follow the instructions.
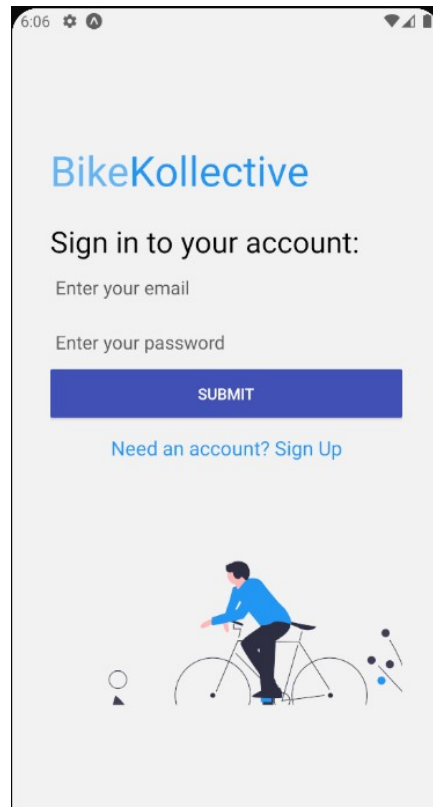

Checking out a bike

Once signed in, you will be directed to the "Browse Bikes" page and a popup will request location permissions for the device. Please accept that request and then you will see a map, with a marker for your current location, and several pins, with each pin representing a bike that is available for rent. If you want to know which list item corresponds to which pin, just click the pin or list item and its corresponding partner will be highlighted. If you do not see any pins, there are a couple options you can take to start seeing pins.

- If using an emulator, set the device's location to downtown San Francisco, where most of the test data is located.

- If you are close to San Francisco, expand the search range by clicking the FAB -> Filter Icon -> moving the slider as far as possible, and clicking the filter button.
- Clicking the "Donate" tab at the bottom right, and navigating through the donate screens to add a bike to the database. After adding a bike, you will need to refresh the list of available bikes by clicking the Browse Bikes FAB -> Refresh Icon.
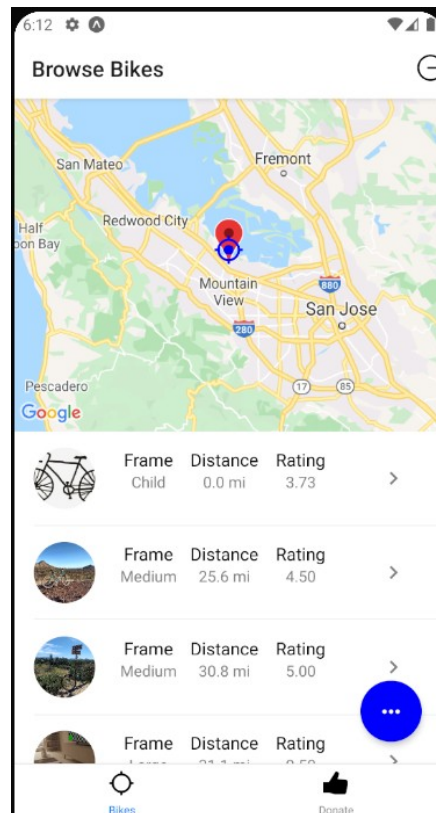
Once you can see a list of bikes, clicking the next icon on the right side of the list item will show a screen with all details for the bike, such as ratings, comments, size, etc. Clicking the "Check Out" button from this screen will take you to a page with final details for the rental. Read carefully and select confirm to rent the bike. There is also a map that can be used to navigate yourself to the bike. We make no guarantees that a physical bike exists in that location!

Logging out

You can log out of the app at any time when not actively riding by navigating to the browse bikes home page, and clicking the logout icon in the top right corner of the screen.

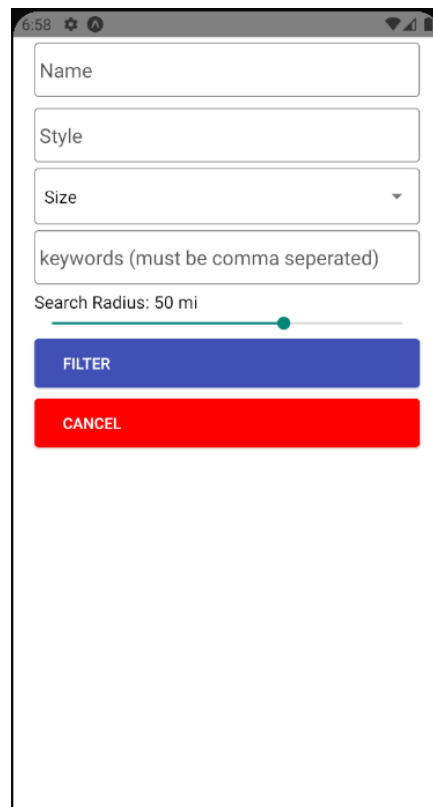**Refreshing the list of available bikes**

To refresh the list of available bikes on the browse bikes page, simply click the floating action button, and then select the button with the refresh icon.

Filtering the List of available bikes

To filter the list of available bikes, click the floating action button, and then select the button with the filter icon.

The available bikes list can be filtered by Name, Style, Frame Size, and Keywords. The name, style, and size filters search for the string written in the input to be contained in the corresponding property of the bike. For example, entering "a" in the name search box would match a bike named "James" but not a bike named "Julie". The keywords filter is different. It splits in the input string at each comma, and returns only bikes that have each keyword created by the split. The filters are additive, so a bike that matches the name and size filter, but not the keywords filter, will not be returned.

The search radius slider limits or expands the size of the geoposition search done by the app, and changing its value triggers a refresh of the bikes.

Adding a bike

    To add a bike, select the Donate tab at the bottom right of the screen. Fill out the form that shows, and click the continue button. You will then be required to upload a photo of the bike. After granting the app the proper permissions, you can use the gallery or camera as desired, and then click the continue button again. From here you are required to click continue through two more screens: one to agree to the usage waiver and a second to confirm the donation of the bike. After donating the bike, a confirmation alert will be generated and you will be placed back at the start of the add bike process.

Using and returning a bike

After following the instructions to check out a bike, you will be placed on the "Ride Mode" screen. This screen does not have a tab navigator, consists of a countdown timer showing the time remaining on the rental, and can only be exited by pressing the "Return Bike" button. Clicking the return bike button will open a screen where you can leave feedback on how the ride went, or go back to the timer.

If the timer runs out of time, the bike will be forcibly returned and an alert will be sent to the screen.