

The Bike Kollective Final Instructions Document

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SUMMARY

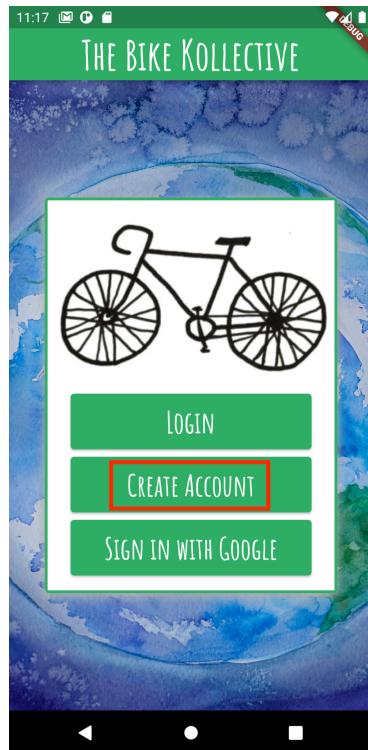
Welcome to The Bike Kollective application. Our application supports the following:

- **Registration as a user**
 - Email as username
 - Password (min. 8 characters)
 - Waiver form requirement met
- **Google Authentication**
- **Login using registered user credentials**
- **Persistent login (closing the app doesn't sign the user out)**
- **Email Verification**
- **A form to add a Bike to the Kollective**
 - *Must either*
 - Have photos saved to your phone or phone emulator's gallery
 - Take a photo with your phone/emulator's camera
- **Takes your current location to store where the bikes are located with latitude and longitude coordinates**
- **A map that displays all Bikes currently in the database**
 - Features color-coded markers with pop-ups that populate Bike information from the database
 - Can start a ride from the map view on Bikes within a 0.1 mile radius
- **A list view that displays all Bikes within a 5 mile radius of the user's location**
 - Displays data pulled from the database
 - Can sort or filter based on distance, rating, condition, or bike tags
 - Can start a ride from the list view on Bikes within a 0.1 mile radius
- **A ride screen with a timer**
 - Notifies user when a ride has lasted 8 hours or more
 - Blocks a user when a ride has lasted 24 hours or more
 - Bike is listed as Stolen and removed from the kollective
- **Complete ride screen**
 - Form updates database for Bike being ridden
 - Changes condition based on user feedback
 - Ride field powers sort by rating on list view screen
 - Updates location of Bike so it can be found by other users

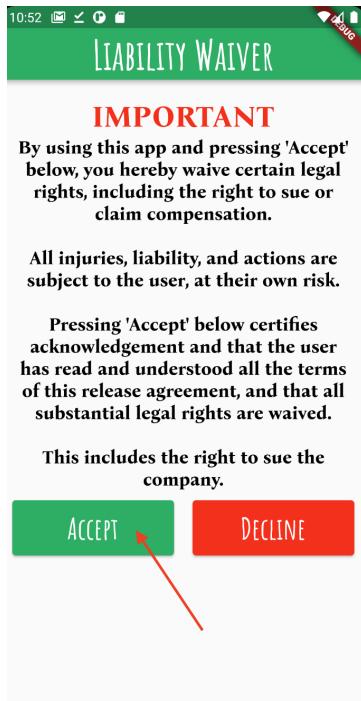
INSTRUCTIONS

User Accounts

1. Load up the application
2. Select Create Account

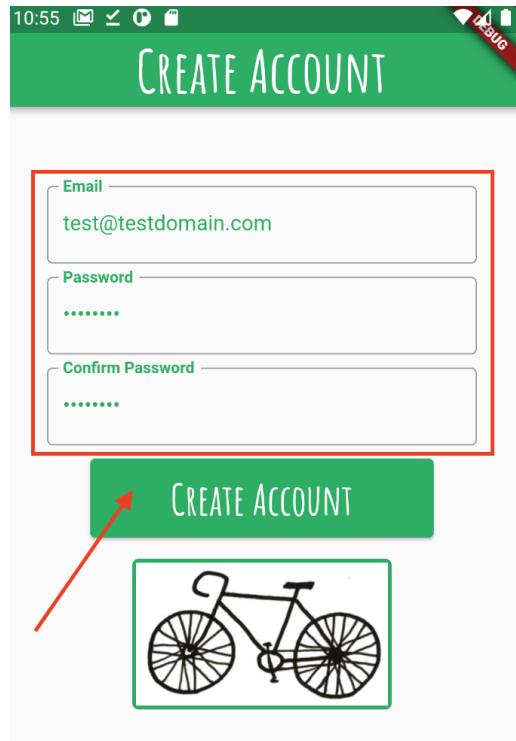


3. Accept the Liability Waiver



4. Select a unique username that must be a valid email address (for email verification)
5. Select a password with a minimum of 8 characters (or try less to see the error message)
6. Confirm password (or try a different password to see the error message)

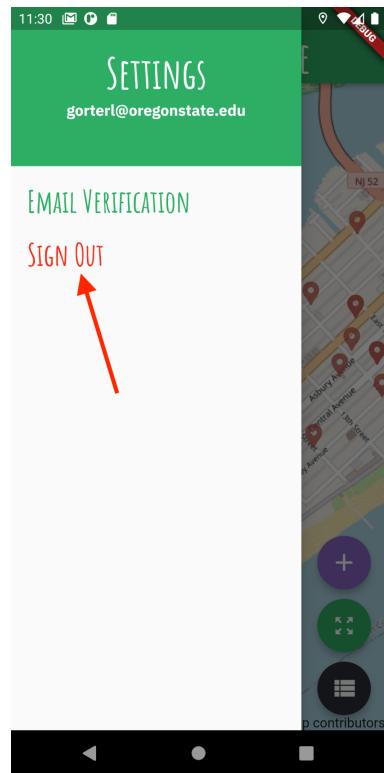
7. Click Create Account



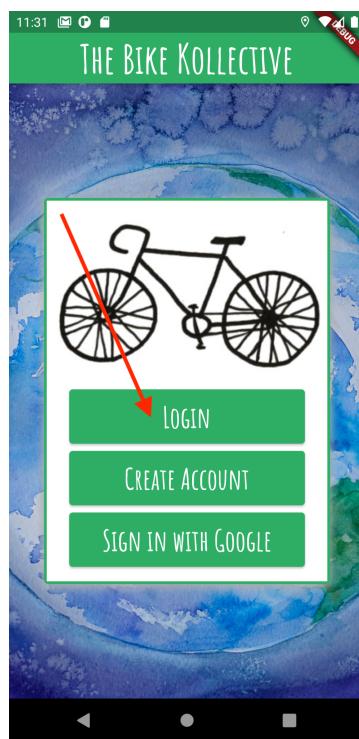
8. Alternatively, you can try Google Authentication by clicking on the Sign in With Google button on the splash screen



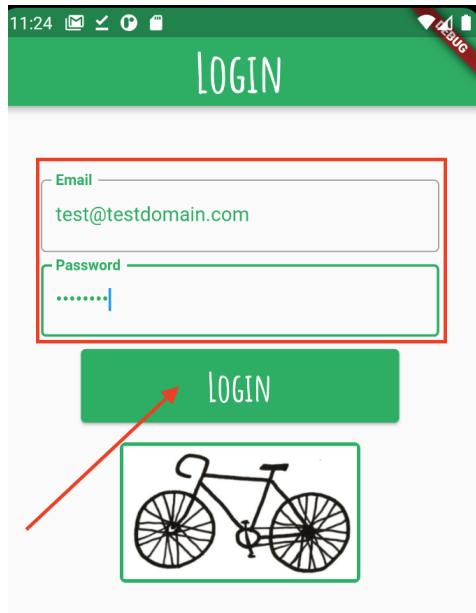
9. To test logging in later with a verified set of credentials, ‘Sign Out’ of the app through the drawer in the top left corner



10. Click on the Login button

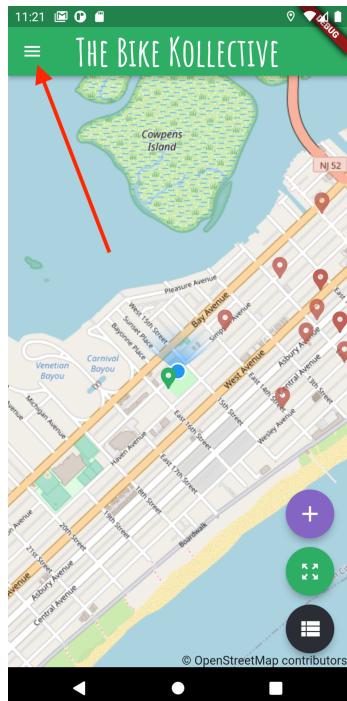


11. Enter your valid user credentials and click Login

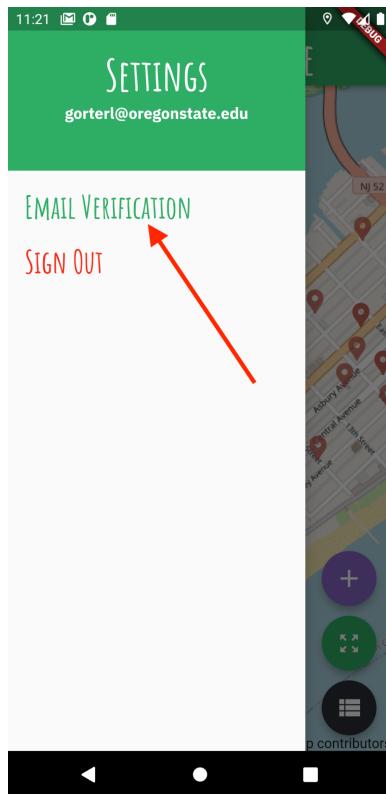


Email Verification

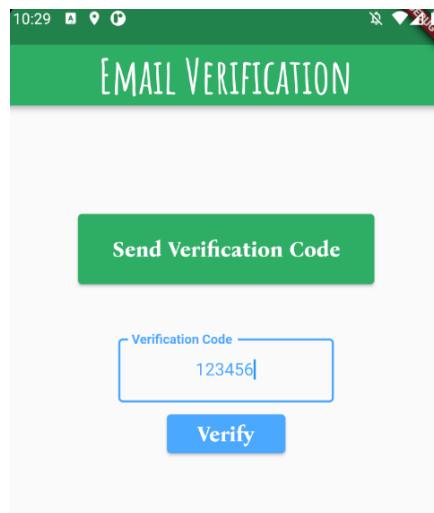
1. Sign into the app or create an account, making sure that the email used is valid and accessible
2. On the map screen (you should be taken there automatically after successful account creation or login), press the drawer in the top left corner



3. Press the Email Verification button



4. Press the Send Verification button and note in the bottom message if it was successfully sent
5. If so, check your email and enter the code to verify your email



The Bike Kollective | Email Verification External



The Bike Kollective <thebikekollective@gmail.com>
to me *

[This email originated from outside of OSU. Use caution with links and attachments.]

Verification Code: 639727

Please enter the verification code in The Bike Kollective app to verify this email address.

Best wishes,
The Bike Kollective

Email sent via [EmailJS.com](#)

[Reply](#)

[Forward](#)

6. Re-pressing the email verification button should alert you that your email is already verified

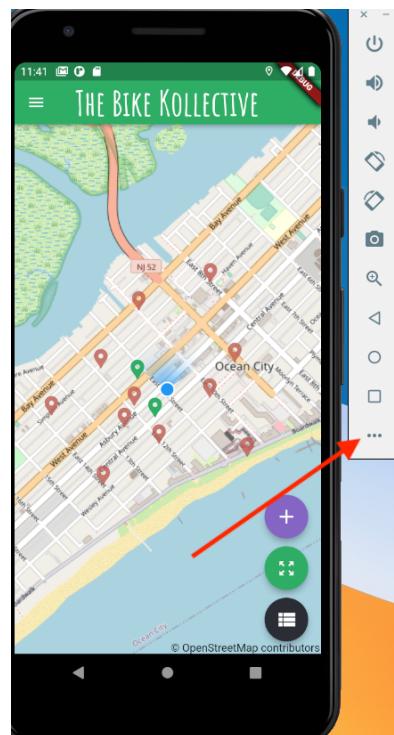
Map View

1. Once successfully logged in by following the steps above you will automatically be in the Map View. The Map View starts off at the user's location.

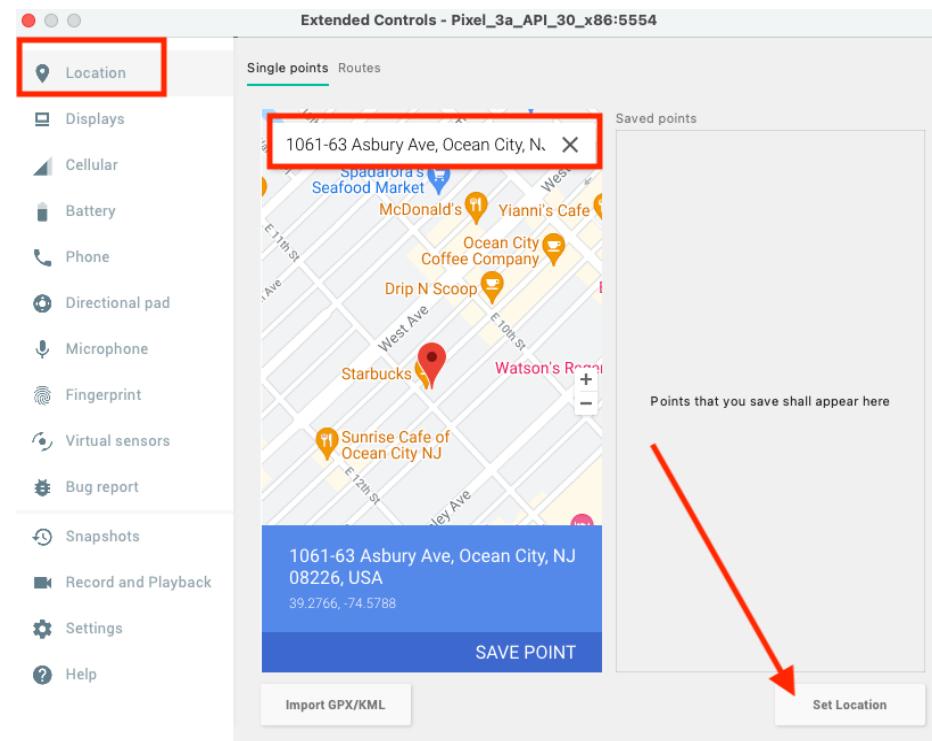
For testing purposes we recommend changing your Android's location to the following coordinates: (39.2767, -74.5792), or the following address: *1061 Asbury Ave, Ocean City, NJ 08226*, which is a Starbucks in Ocean City, New Jersey.

-- This offers a better experience as enough bicycles will be populated and within range. If you prefer not to change location you can add your own bike by following the 'Add Bike' instructions later in this document.

To change your location on emulator click the ellipses on the right-hand side (note this may differ depending on your environment):



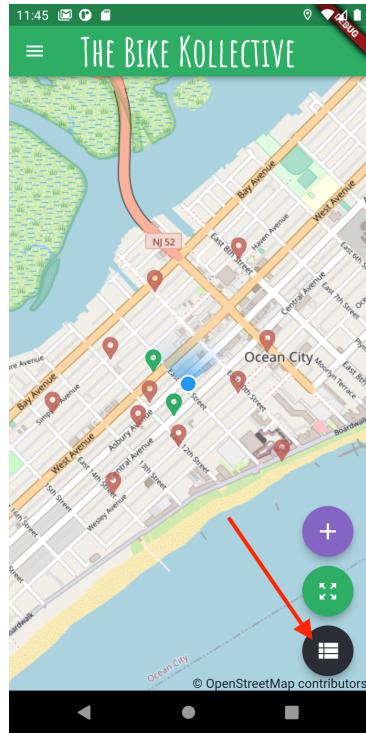
Next - use the Location tab to find the right location and press 'Set Location'



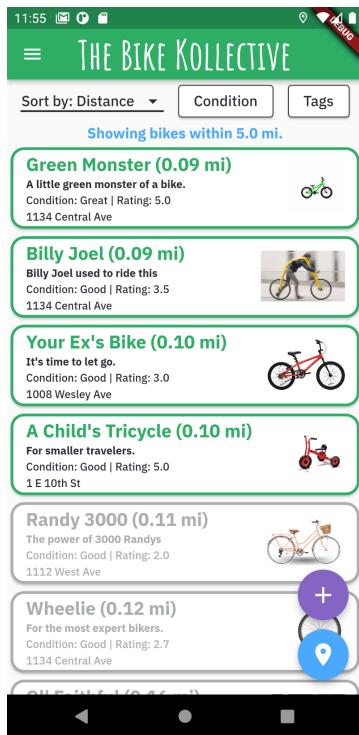
2. You will now see a map with the user's location shown as a blue dot, bicycles within range that are eligible to ride with the green icon and bicycles that are currently out of range for you to ride shown with the icon. Click any icon to show information about that bike pulled from the database.
3. Clicking any non-marker space on the map will close the marker pop-up.

List View

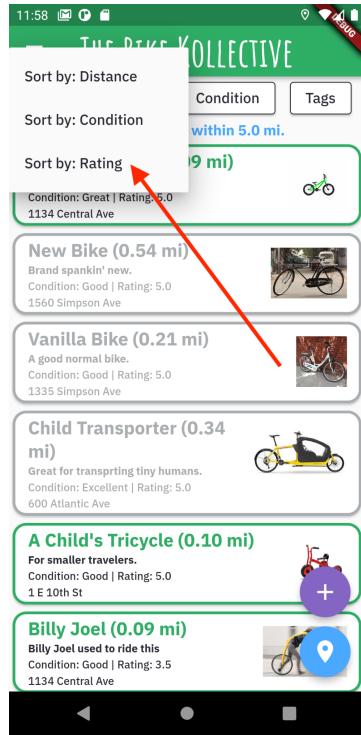
1. To access List View click on the following Floating Action Button in the bottom right corner:



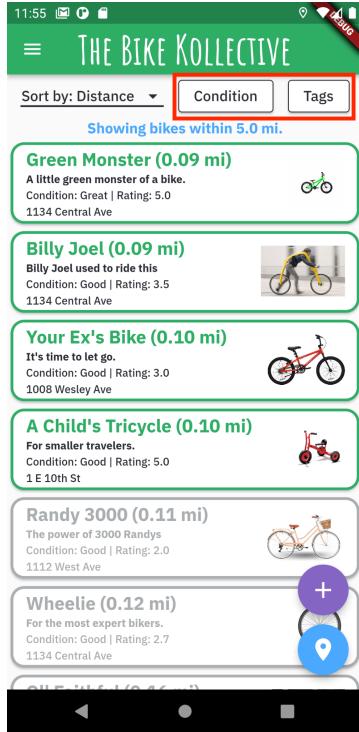
2. List View shows bicycles that are within range and eligible to ride with a green border and green font. Bicycles that are out of range and therefore ineligible to ride are shown with a grey border and grey font. Bicycle information is pulled from the database to populate each tile.



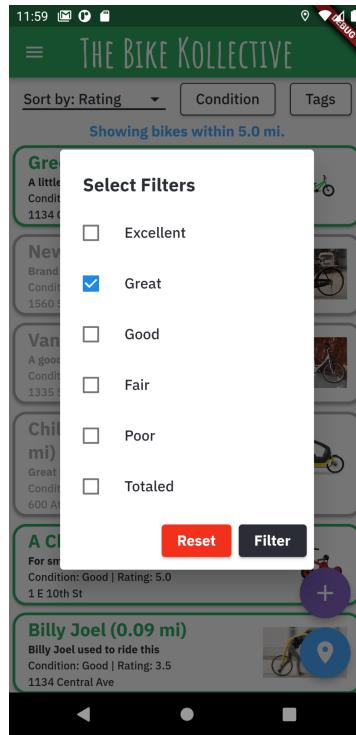
3. By default, bicycles are sorted by distance. You can sort by rating, which uses average ride rating from previous rides, by clicking on ‘Sort by’ in the top left corner then selecting ‘Rating’ you can also sort by condition.



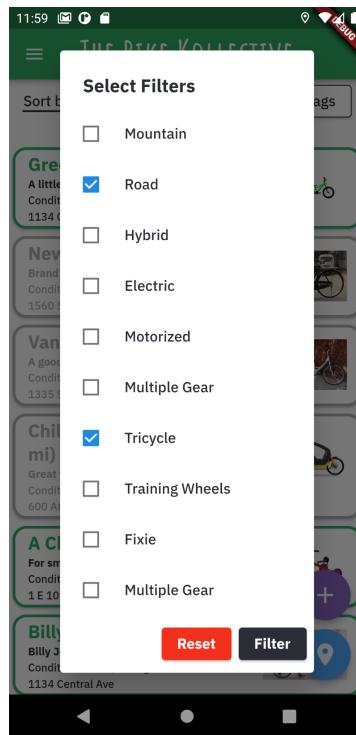
4. In addition to sorting, you can also filter by Condition or using Tags by clicking on the buttons in the top right corner then making your selections.



Using Condition:

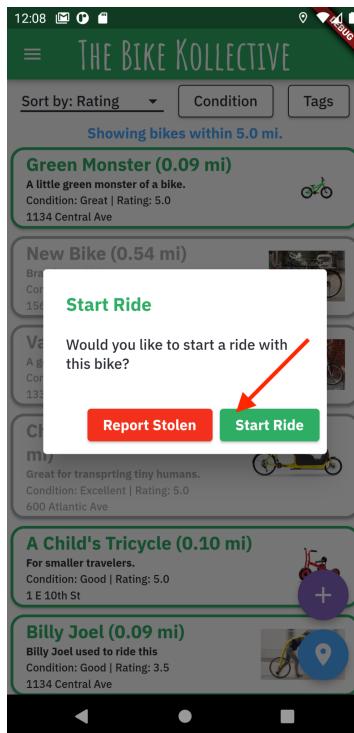


Using Tags:

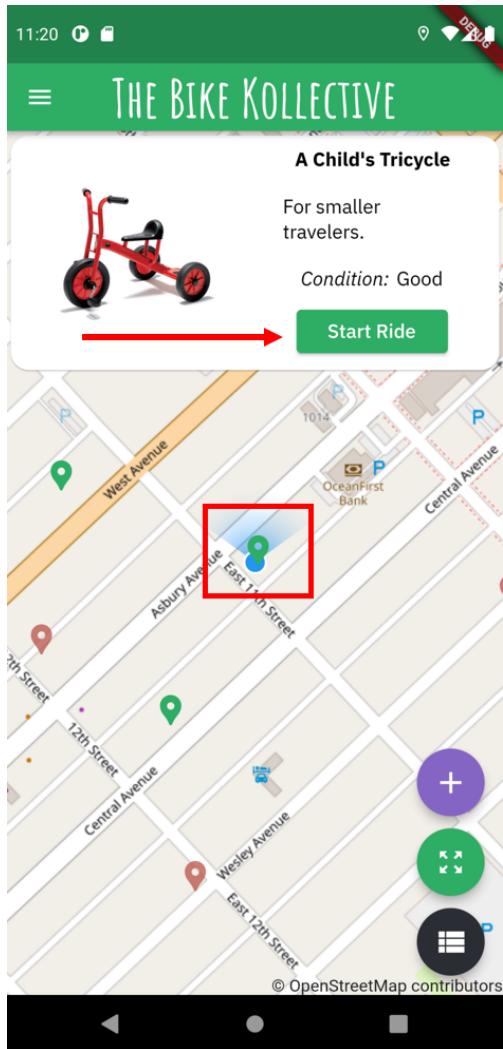


Starting and Completing a Ride

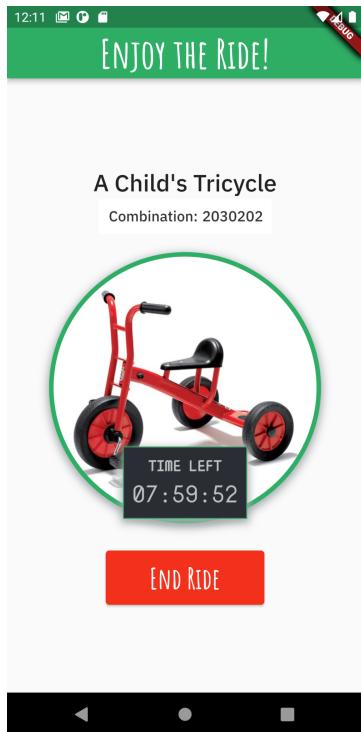
1. Starting a Ride can be done from either the Map View or the List View (described above). In List View, simply select a green border bicycle (eligible to ride) then click ‘Start Ride.’ Please note that you can also report a bike stolen at this screen, which removes it from the map and list view to assist other users looking for a valid bike.



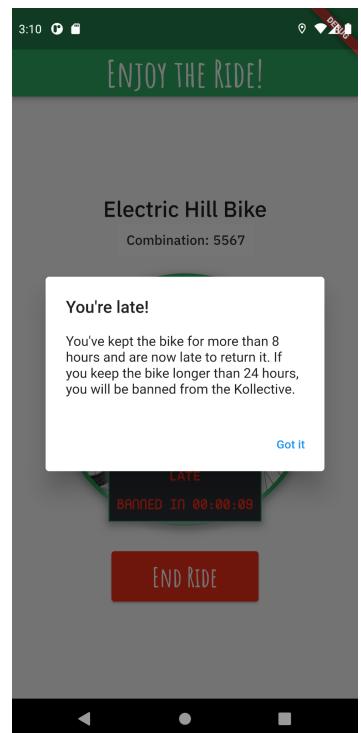
In Map View click on one of these icons: which selects an eligible bike then click ‘Start Ride’



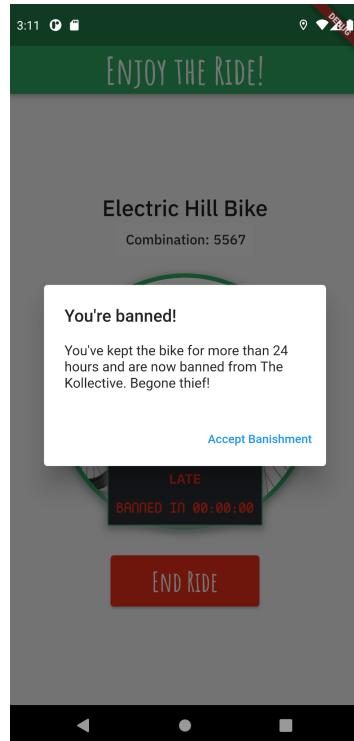
- Once a ride is started a screen is displayed with a timer and the bike's combination. Once a ride takes 8 hours or more a notification pops up and a new countdown is displayed letting the user know they must end the ride before 24 hours has passed or be banned. If the ride lasts 24 hours the user is notified that they have been logged out and banned forever. The bike is then listed as Stolen and removed from the kollective.



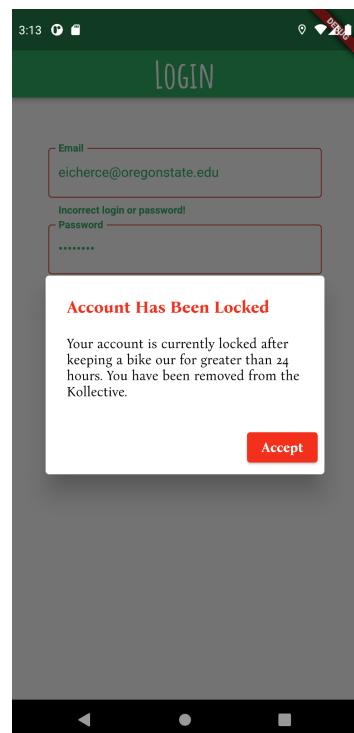
8 Hour Alert:



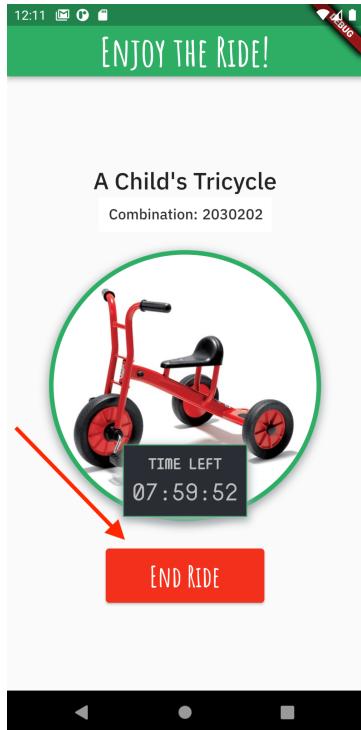
24 Hour Alert:



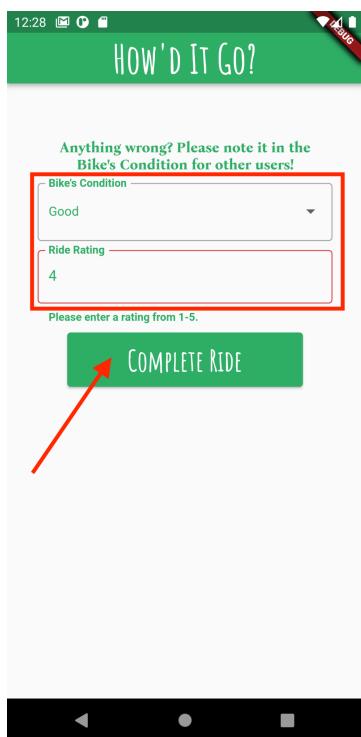
If the user tries to log back in:



3. When you're ready to complete your ride click the 'End Ride' button.



4. Fill out the form fields to update the bike's condition and provide a rating. This feeds the database and influences the list view. Click 'Complete Ride.' You will be taken to the Map View and the bike will now be located exactly where the user is.

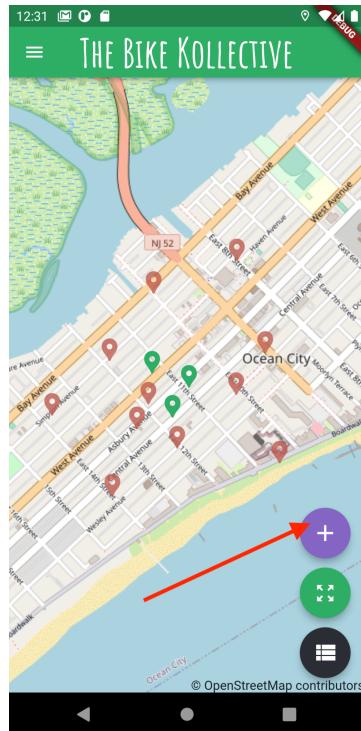


Add Bike

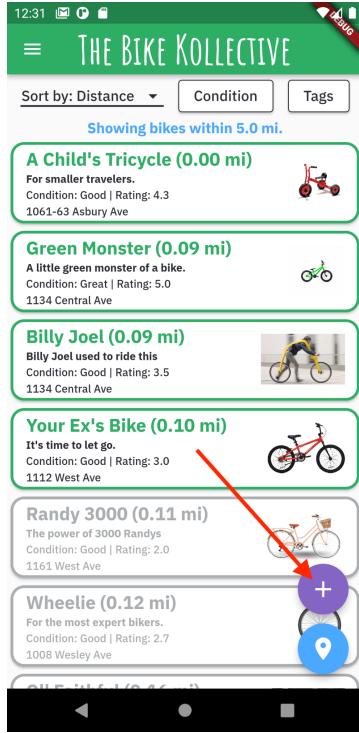
Note: Before starting this process either make sure you have a photo saved to your device or emulator in the gallery (dragging and dropping photos from your computer onto the emulator works) or use the camera option.

1. Adding a bike can be done from either the Map View or List View by clicking the Floating Action Button with the 'Plus' icon.

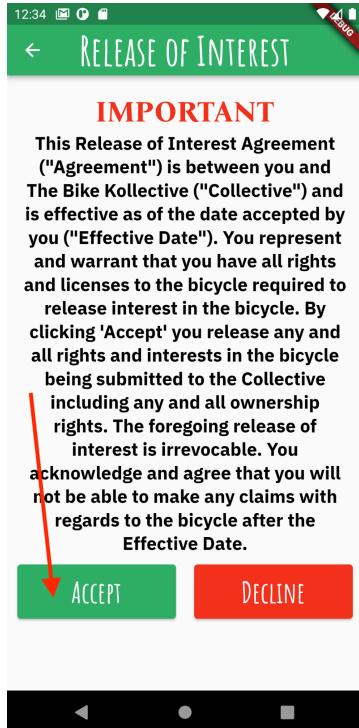
Map View:



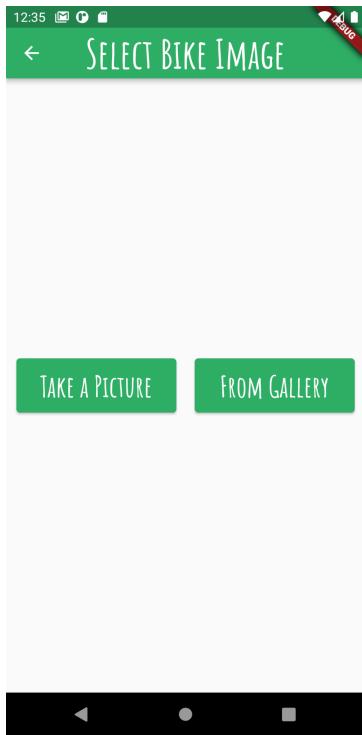
List View:



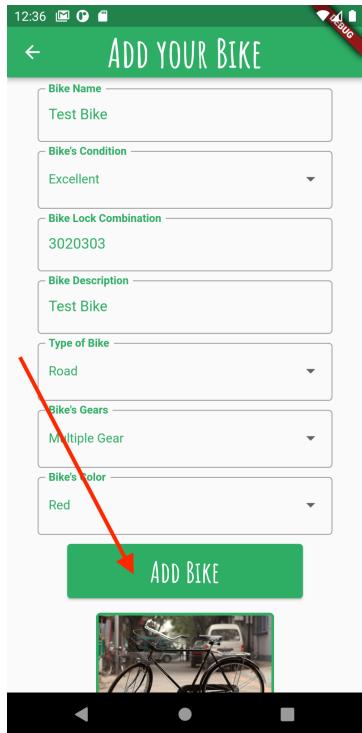
2. Click 'Accept'



3. Select either 'Take a Picture' to access your device/emulator's camera or 'From Gallery' to select an existing photo.



4. Complete all of the form fields then click 'Add Bike'



5. The bike will automatically be placed at the user's location and will now be available for use by other users.