

Working Prototype Known Problems Report

Product Name: Hydro Hero

Team Name: Hydro Homie

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Bugs and issues

- Android Back Button
 - Pressing the Android back button on the Home, History, or Settings tab will return the user to the login page and will not allow the user to log back in until the app is restarted. This could possibly be fixed by completely disabling the Android back button while on the application.
- History
 - The minimum and maximum for the X-Axis values may be incorrect with some dates. The data points are still plotted, but the graph presented doesn't show the right X-Axis values for those data points. It is possible to fix this by setting the minimum and maximum values for the X-Axis with the setMinX and setMaxX, but with how we save our Dates it would be difficult to change.
 - Seven dates are needed in order to set up the spinner and display the graph with the data points. It is possible to edit the number of dates to be needed, but it is currently set up for seven dates so the graph is presentable.
- Notifications
 - Clicking on the notification sometimes crashes the app. The location of fault is currently unknown. A potential fix for this issue is to look into the behavior of clicking notifications.
 - Notifications no longer work after the app is killed. This problem is caused by Android tightening the security of push notifications starting from Android 8.0. This could potentially be fixed by switching to a cloud-based notification system.
- Drink Selection Pop-up Window
 - In order for a custom drink to be added, both the Custom radio button and the Custom editText must be checked/have input. If the user only types a custom value but fails to check the Custom radio button, nothing will be logged. This could be fixed by having the editText remain locked unless the Custom radio button is selected.
- Firebase Database
 - The Firebase database was not completely set up. This is because we had a SQLite database setup for the majority of the project but decided to add user accounts later on in the project. Due to the lack of time, we were unable to connect the database to the user accounts. Therefore, all data is stored locally to the phone and will not change based on which user is logged in.