

WeClean

WeClean is a location-based tool for people and communities to clean and keep track of pollution in their area while educating them on environmental issues. The overall data can then be used to tackle pollution individually in certain areas.



With WeClean, users can post the location of trash they find in their area(s), and check the posts of others.

Learning Tool

When users see posts of trash that has not been marked as 'discarded', they can go properly dispose of it themselves! To do this, the app immediately provides information on how to properly remove garbage, and the negative effects it can have on the environment if not taken care of, depending on the type of pollution it represents.

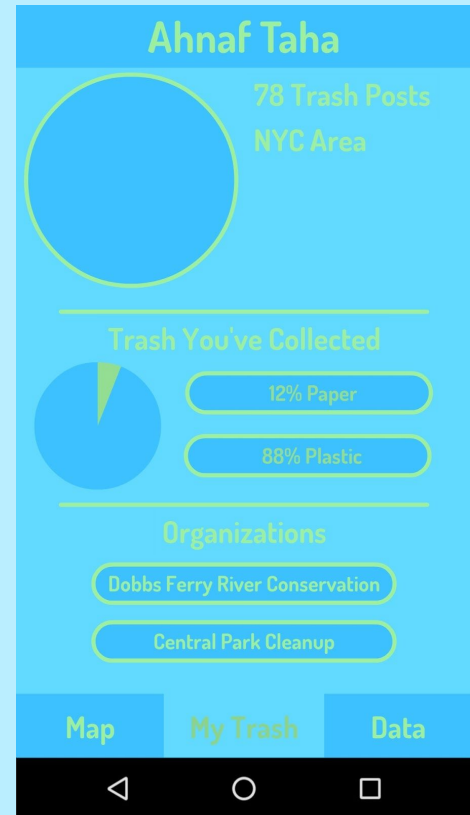
On the left, you can see an image of the app's 'Plastic Pollution' screen. Users can see disposal methods and find greater information on that specific kind of pollution.



Social Platform

WeClean makes cleaning your neighborhood feel significantly more social. Users can work together to track the trash collected in their area, and work together to clean up harder tasks. Each person's individual profile reveals how much they've contributed to keeping the environment safe!

Users can even join together in groups, and track their data together. Local volunteer groups can form groups to track the trash they collect, and even use it as an indicator of how much of an impact they are making in their communities!



Data for Change

With all of the information WeClean collects, it can be used as a greater tool for change! By knowing the kind of trash reported in specific regions, law-makers can then introduce policies to curb pollution. For example, a mayor can impose a tariff on the use of plastic bags in stores if WeClean users report 75% of the trash they find being plastic.

This data would be open-source and available to anyone! It would be real and live data on efforts to fight off pollution.



Technical Information

App

The current version of WeClean is being developed on Corona SDK, a multi-platform app development tool. This speeds up development time by enabling the app to be deployed on both iOS and Android with minimal coding between platforms. Much of the coding is done in the Lua language. You can find out more about Corona at <https://coronalabs.com/>.

Server & Database

WeClean currently uses the free-plan of Google's Firebase-a cloud database-to record trash data. Images are hosted for free (as this project has no commercial benefits) on Imgur. You can learn more about Google Firebase at <https://firebase.google.com/>.

Contact

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Please feel free to add me on LinkedIn! You can find some more information about me on my website: enoughtaha.github.io

How You Can Help

For WeClean to be as successful as possible, it is going to need as much support as possible! Please reach out to me if you wish to contribute in any way. This can involve helping with the platform's development or just some simple suggestions! The support of anyone involved in government would be incredible! If you hold a position of public office, you can encourage use of the app among people in your neighborhoods.