



Encouraging Sustainable Waste Management



Team Members: Ronak Patel , Dennis White, Miki Solomon,
Elvis Velasquez



Introduction

- Inspired to make a difference in our world and raise awareness.
- Convey the large amount of waste
- Help communities heal from wasteful disposal practices

Product Vision

- Community service and people oriented
- Global scope
- Intuitive/easy navigation
- Education for everyone
- Encourage sustainable behavior
- Brighter future

User Stories

- Elvis: As a leader for a waste system development project, I want to see what countries need help covering their population in a waste management system in order to focus resources there.
- Dennis: as a government official for the city of Asheville, NC, I want to see waste cut down and more competitive with communities that have good waste management numbers.
- Miki: As the president of the United States I have tried to make others more aware of the damage being done by not taking care of our environment. All I want is for others to actually know the the amount of waste that's actually in our world.
- Ronak: As a waste management officer for Mecklenburg county. I want to make people aware that the waste they make how bad it is for the environment and encourage them to reduce their waste.

Lessons Learned

- Plan carefully
- Write code later
- Appropriate Time Management
- Python Fundamentals
- Synthesize data/ make graphs functional/visible
- Picking an appropriate server

Customer Description

- Clientele that want to help communities
- Climb to a more sustainable community
- Assess population/waste ratio
- Gather information of waste around the world

Future Enhancements

- Ability to donate to waste projects
- Update databases with information not available currently

Sources

Data sources:

<https://drive.google.com/file/d/1r7DmXX2dHG2ihNxavy1Tj4BuF16uZGQD/view?usp=sharing>

<https://drive.google.com/file/d/1oJpvisJGn2GUcTaGO6ySYOVHlqhyKKWo/view?usp=sharing>

These datasets provide extensive information about the state of waste management around the world, composition of waste, and country and city information.

Info Sources:

link source: [Trends in Solid Waste Management \(worldbank.org\)](https://data.worldbank.org/SDG11.6.1)

The link above gives a good big picture of global waste in general as well as graphs.

Source: [Waste Management Market | 2021 - 26 | Industry Share, Size, Growth - Mordor Intelligence](https://www.mordorintelligence.com/industry-reports/waste-management-market)

The link above shows growth in global waste as well as countries that cause the most global waste.