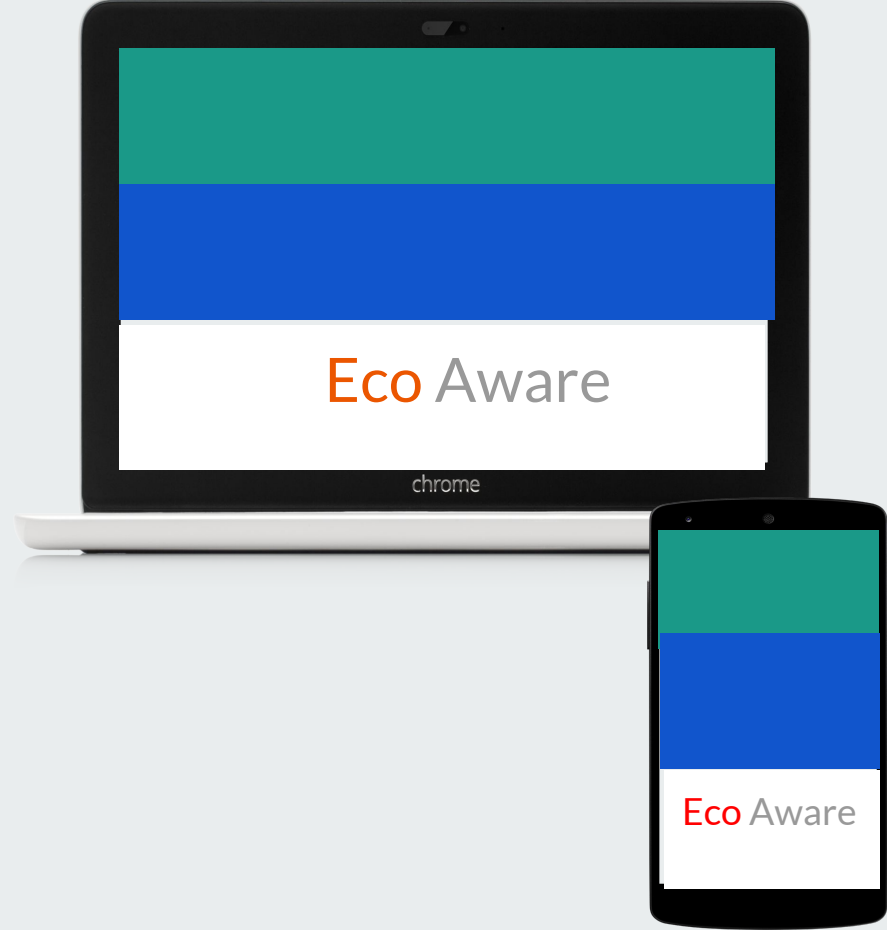




# Project Eco Aware

## Team members

1. Opata Nicholas Bravo
2. Linda Kombo
3. Sharon Mungania
4. Joseph Muturi
5. Paul Mwasame
6. Sebastian Wasike





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## Problem:

Climate change has been seen to threaten the quality of human life in Thika Municipality and the among the major causes is pollution

## GCGO: Climate Change

Why it matters

Climate change and pollution matter because they have a profound impact on our planet and our health.

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# User Persona



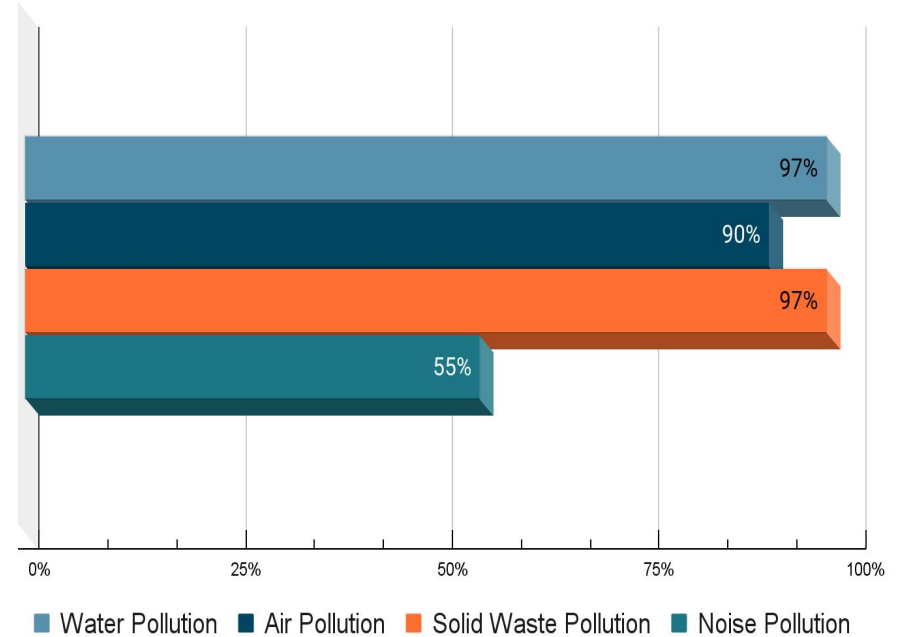
Jane Kawira

Jane is a 35 year old mother of two young children. She lives in Thika municipality and works as a teacher. Jane is concerned about the pollution in her community, especially because she worries about the health of her children and the impact of the pollution on the climate.

# Fact 01

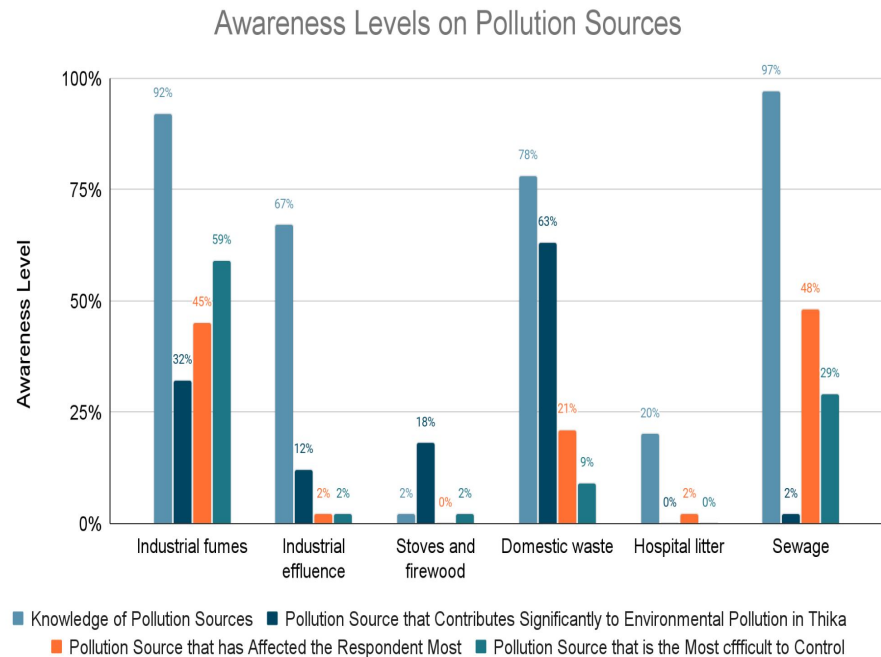
Water pollution emerges to be the most familiar type of pollution together with solid waste from the residents' perspective while Air pollution is also known but by a slightly lower percentage of residents

Pollution awareness Levels



# Fact 02

It is clear that industrial fumes and sewage appear to be the prominent sources of pollution in Thika.





## Fact

03

### Source:

<https://www.ipcc.ch/report/ar6/wg1/>

Human-induced climate change is already affecting many weather and climate extremes in every region across the globe. Evidence of observed changes in extremes such as heatwaves, heavy precipitation, droughts, and tropical cyclones, and, in particular, their attribution to human influence, has strengthened since AR5, {the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC).}

# Solution description

We proposed to design an application that can be used to collect data on the sources, level, and impact of pollution in Thika municipality. The application would be used to spread awareness about pollution and inform citizens about possible actions that they can take to reduce pollution.

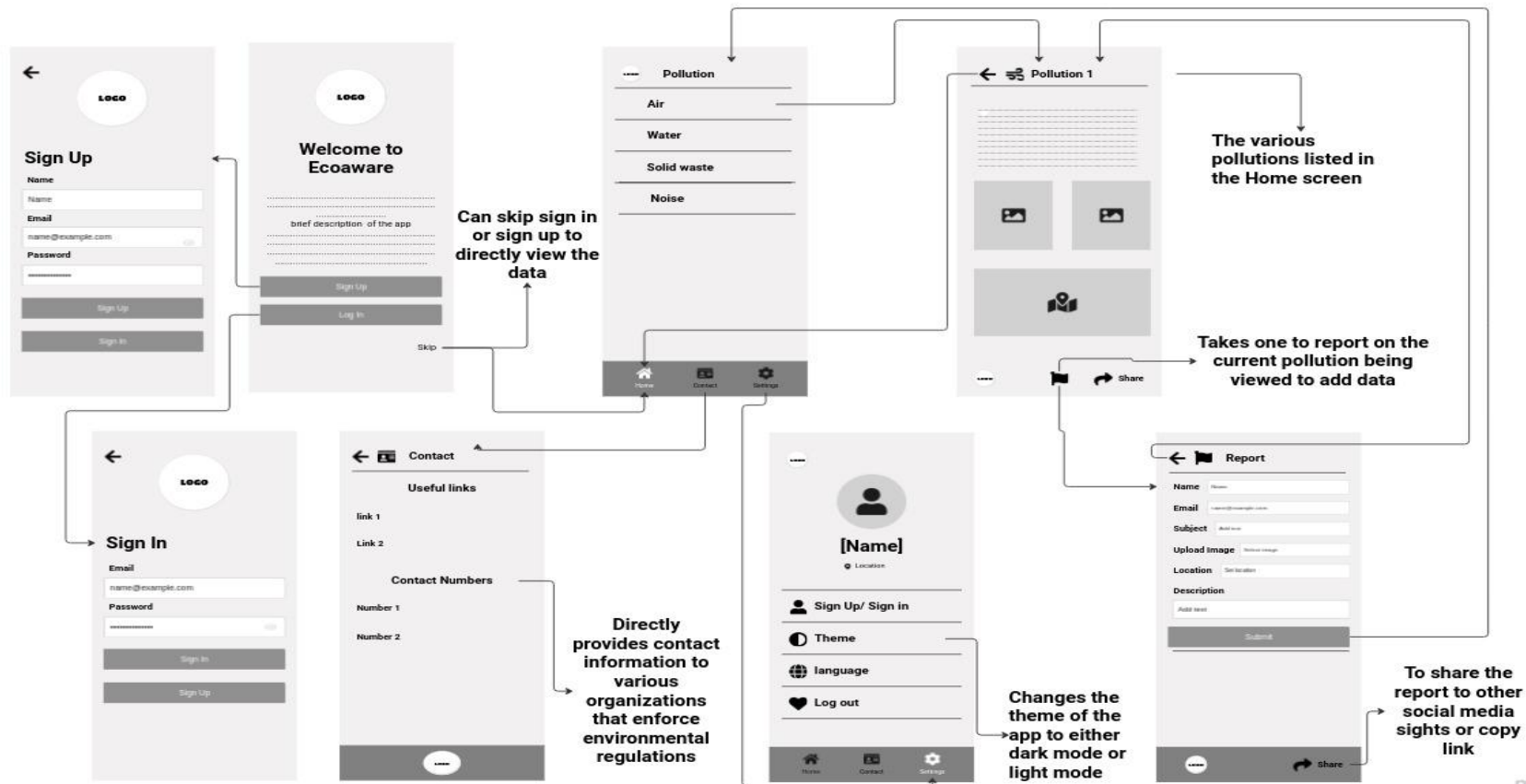
## Why we chose this solution

We chose this solution because it is a scalable and sustainable way to address the problem of pollution in Thika Municipality. The application would collect data in real time, which would allow us to track the effectiveness of our interventions

## Why the solution is likely to be effective

Awareness can be effective for several reasons that include: It can lead to change of behaviour in people, it can lead to political action and can also lead to technological innovation.

# Wireframes





# Use Feedback



## Needs and pain points

- Users need a user-friendly application.
- Users needs the application to provide more information about the sources of pollution.
- Users needs the application to provide more information about the possible actions that they can take to reduce pollution.



# Recommendations

- We should make the application more user-friendly by improving the user interface and adding more features.
- We should include events that correspond to the proposed solutions to the users
- We should increase the geographic scope of impact to more areas
- We should provide more information about the possible actions that users can take to reduce pollution by adding a list of resources to the application.

# Next steps

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If given funding , we would continue to develop the application and expand its reach. We would also work to partner with local governments and businesses to implement our recommendations.

We would also work with other organisations to spread awareness about the application and encourage citizens to use it.



## Return to why

We believe that our solution could make an important difference on the lives of the people of the Thika Municipality and the world at large. By providing accurate and up to date information on pollution , we can help people to take steps to protect their health and also help in curbing climate change.

THANK YOU