



# Dawwerha

An Application That Enhances People Awareness In Recycling And Disposing Wastes By Using Image Classification



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## Abstract

Recycling is important for reducing environmental pollution and according to Saudi Arabia's Vision 2030 aims to protect the environment through waste recycling. Our application enhances people awareness in recycling and disposing wastes by using image classification, and facilitates communication between the user and the recycling companies and calculating the user's impact on the environment.

## Objectives



Take advantage of technology to save the environment by recycling



Using Image classification technique that helps the user classify the type of material that would be recycled



Enhances people awareness about recycling



Using some persuasive technology technique in the motivating process



Facilitating reach contact companies' information that can recycle materials

## Prototype

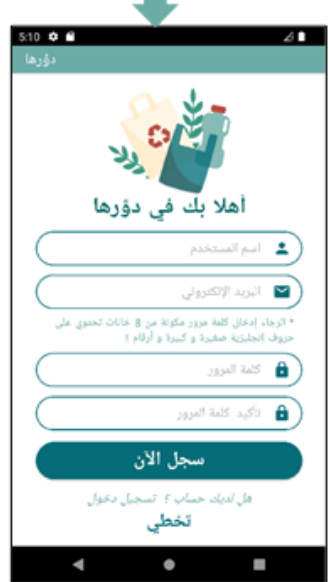
The prototype shows interfaces work sequence in the application.



Opening Interface



Welcome Interface



Sign up Interface



Homepage Interface



Log in Interface



Recycling Companies Contacts Interface



Impact on the environment Interface



Take a photo Interface



Select material Interface



Homepage List Interface



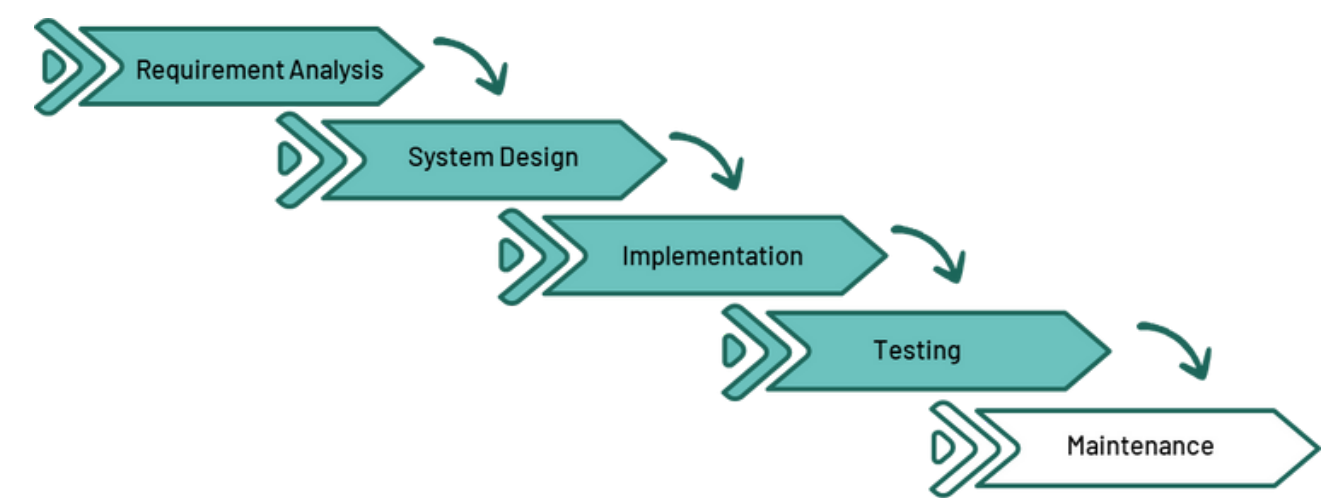
View profile Interface



About us Interface

## Methodology

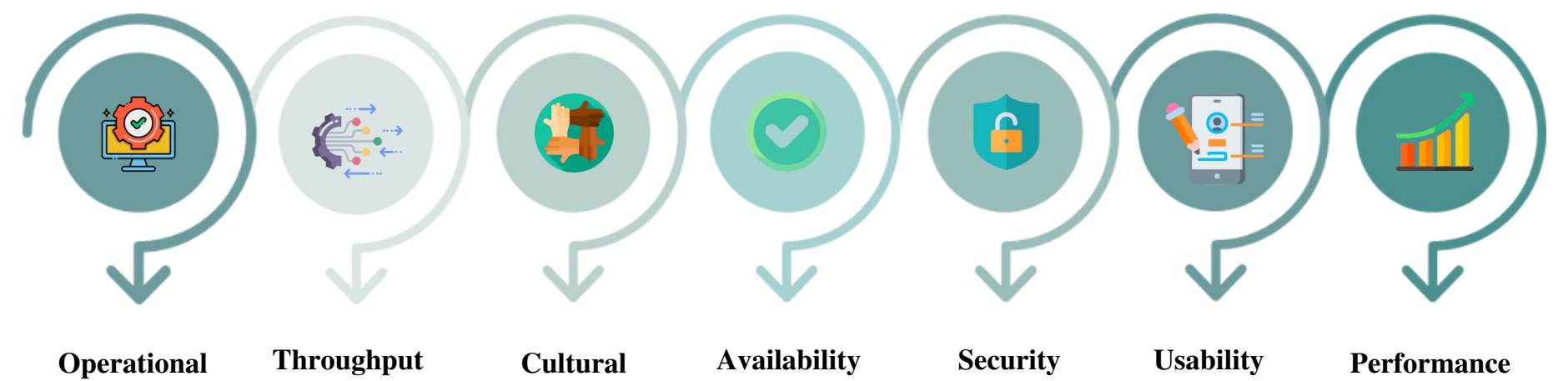
The waterfall model chosen for this project.



## Tools



## Result



## Conclusion

Today we see that technology is present in our world more and better than before, so we as programmers must use the technology to serve, promote and develop our society.

In this project, we used some techniques that help increase society's awareness of recycling, which is one of the most required goals by the world.

## Future Work

- 1 Add display nearby companies' location feature
- 2 Users obtain financial support for each recycling quantity
- 3 Add Communication feature between companies and users through the application
- 4 Add points and rewards within the application by cooperation with the companies to encourage users to recycle

## Contact

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## References

