DEPARTMENT OF COMPUTER ENGINEERING

Recyclo : Reselling of Recycled Goods

Shivam Singh	(A |57)	EU1222008
Lucky Yadav	(A | 62)	EU1222006
Ramsaheb Prasad	(A | 42)	EU1222025

Mrs. Aditi Raut | Assistant Professor

17 February 2024

Contents

- **Abstract**

1. **Introduction**
   - Introduction
   - Motivation
   - Problem Statement
   - Objectives
2. **Literature Survey**
   - Survey of Existing System
   - Limitation Existing system or research gap
   - Mini Project Contribution
3. **Proposed System**
   - Architecture/ Framework
   - Algorithm and Process Design
   - Details of Hardware & Software
   - Experiment and Results
   - Conclusion and Future work.

Abstract

- The project is dedicated to solve the recycling gaps present in society in more advanced way, at the fingertips of the individual.

- This project acts as a channel between different recyclers, industries, and household.

- The user can login in the website and can select to buy or sell the products then the next step will be select the category in which the product lies and can find the best deals for them.

- This project motivates the users to sell the goods that can be recycled and be the part of the growing industries that are creating goods from waste.

Introduction

This project has been designed with the objective of addressing the prevalent 'Recycling problem faced by Humans today.' A significant contributing factor to the mismanagement of waste is the lack of awareness and knowledge regarding the proper channels for waste disposal. This project aims to educate the public on responsible waste management and facilitate their connection with the appropriate parties for waste disposal. It serves as a sustainable business model, encouraging individuals to participate in recycling practices. Furthermore, it provides a platform for companies that generate substantial quantities of recyclable waste to connect with suitable buyers. The project holds substantial promise both from an ethical and business perspective, particularly in the context of India, where the recycling industry is already valued at 15 million dollars. This website is poised to create economic opportunities for both buyers and sellers, contributing to a more sustainable and profitable waste recycling ecosystem.

Introduction

Motivation

- The motivation to create this project has been gained from the improper and less adequate recycling system of our country.

- It has been found that the problem can be solved with our system making profitable for the individual to recycle the good by selling it to best buyers and recyclers within the country.

- The project will help people to reach the correct person by just sitting at the home and at their fingertips.

Introduction

Problem Statement

- Tons of recyclable materials clog landfills while companies search for sustainable sources. A platform connecting individuals with businesses seeking recycled materials could divert waste, empower eco-conscious consumers, and foster a circular economy. This project will build and test such a platform, measuring its impact on user participation, waste reduction, and community awareness.

Literature Survey

Survey of Existing System

Sr. No.	Title	Author	Conclusion	Research Gap
1	Sustainability and Sustainable Development Research around the World	Peterson K. Ozili	This paper reviews the existing research on sustainability and sustainable development around the world. It begins by defining the sustainability and sustainable development concepts.	The research paper discussed the problem of sustainable development around the world but failed to give any solution to the problem.
2	case study of olx	Fatima naveed	The paper discussed about the the foundation, working,and the different aspects of the olx app.	The case study didn't focused more on the sustainable development and reusability of the product by modifying the product.

Literature Survey

Mini Project Contribution

•**Revolution**: The project will be a huge success, aiding the public and the government in keeping track of and properly recycling the items.

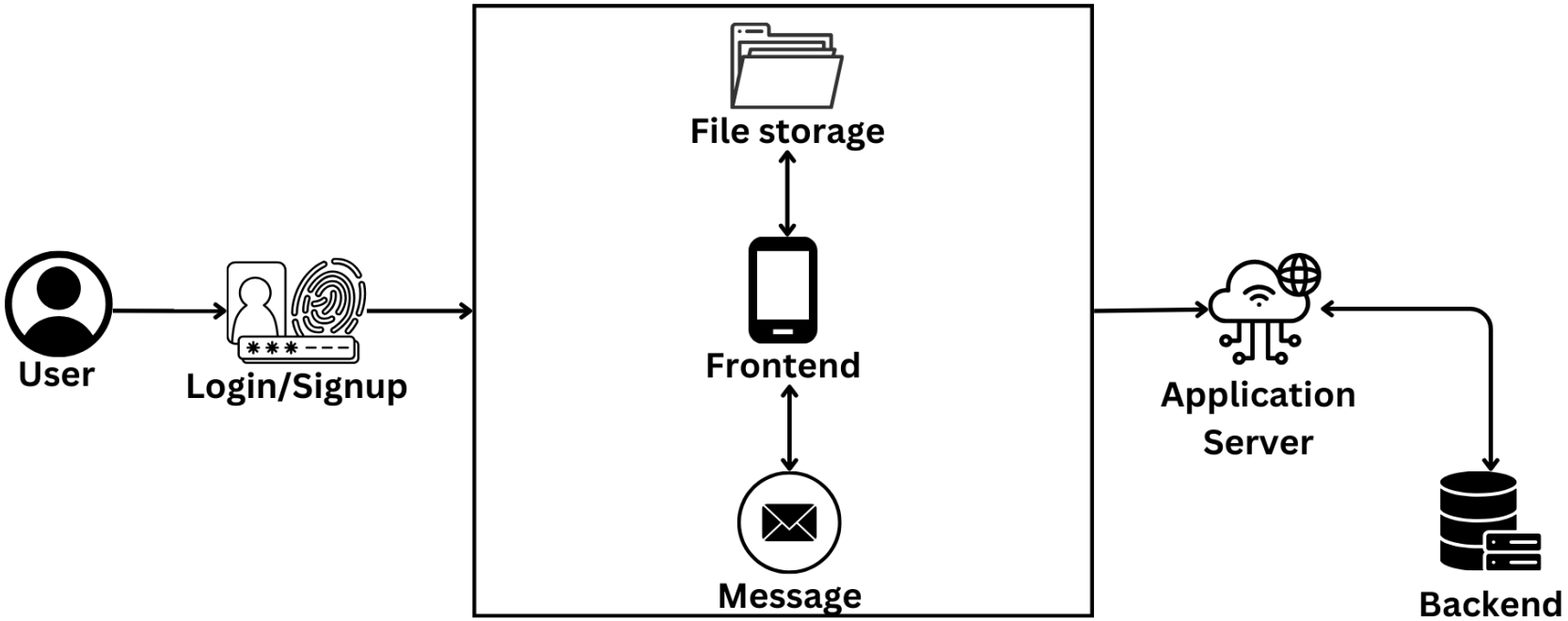
•**Helper**: The initiative will assist individuals in contacting the right person to resell their things.

•**Motivation**: People will be encouraged to recycle their things since they will receive the best price for their goods.

•**Time-saving**: People can save time by just searching for the thing they want.

Proposed System

Architecture/ Framework



Figure

Proposed System

Algorithm and Process Design

- The user will first open the first page which will contain the information about the website.
- When the user visits the site, they'll need to sign up or login into the site.
- There will be a home page which will contain the various products and services offered by the site.
- Then the user need to search and select appropriate service for herself/himself.
- The user can then contact the seller by contacting them with the means of Email system provided within the website.
- And follow all the steps as directed/ mentioned above.

Proposed System

Hardware Requirements	
Min. Intel 4 and Equivalent processor	Ram 4GB(min)
Min. Windows 10(OS) or equivalent processor	SSD 512GB
Software Requirements	
HTML	CSS
SQL	JAVASCRIPT

Proposed System

Future work.

- The project is built with a view to expand the recycling industry of the world.

- As the shops are coming online the world is getting more and more used to online shopping then this website will be revolution in the industry making it go to online platform and elaborate the reach of the businesses.

Proposed System

Demo

(switch to working of your project here)

References

1. Peterson K. Ozili, Global Research & Policy Scholar, **"Sustainability and Sustainable Development Research around the World",** Managing Global Transitions 20(3), February 2022.

1. F. Naveed, "**case study of olx**", Business research method, University of Faislabad, India,[2021]

Acknowledgments

- We would like to express our deep gratitude to our project guide, Mrs. Aditi Raut (Assistant Professor, Department of Computer Engineering, St. John College of Engineering and Management), for his/her guidance with unsurpassed knowledge and immense encouragement. We are grateful to Dr. Nilesh T. Deotale (Head of Department), Computer Science and Engineering, for providing us with the required facilities for the completion of the project work.

- We would also like to thank Dr. G. V. Mulgund (Principal, St. John College of Engineering and Management) and the members of Aldel Education Trust who have given us the background to conduct this S.E project.

Thank You !!!

Q & A