

# waste management system

Team 4







# Introduction

## **Title: Overview**

- Brief introduction to waste management challenges.
- Importance of sustainable practices in managing waste.



# Objectives

Title: Project Goals

- Build a user-friendly platform for efficient waste management.
- Enable waste tracking and reporting functionalities.
- Promote community involvement in waste reduction.
- Ensure scalability and responsiveness in design.





# Contents





# Features

## Title: Key Features

- User Registration and Login: Separate interfaces for users and admins.
- Services Section: Responsive layout highlighting waste management services.
- Waste Reporting System: Users can log and track waste collection.
- Admin Dashboard: Manage users, track reports, and generate analytics.
- Responsive Design: Optimized for mobile and desktop users.







# System Architecture

Title: Technical Overview

- Frontend: HTML5, CSS3, JavaScript for a clean and interactive interface.
- Backend: Django framework for robust data handling.
- Database: MySQL for storing user and waste data securely.
- Hosting: Deployed using [hosting platform].
- Workflow:
  - a. User submits a waste report.
  - b. Admin reviews and schedules a resolution.
  - c. System updates user with status.



# Challenges and Solutions

Title: Overcoming Obstacles

- Challenge: Integrating a responsive design.
  - Solution: Applied Bootstrap for layout consistency.
- Challenge: Dynamic redirection post-login.
  - Solution: Django custom user authentication logic.
- Challenge: Data handling and security.
  - Solution: Encryption protocols and validation mechanisms.

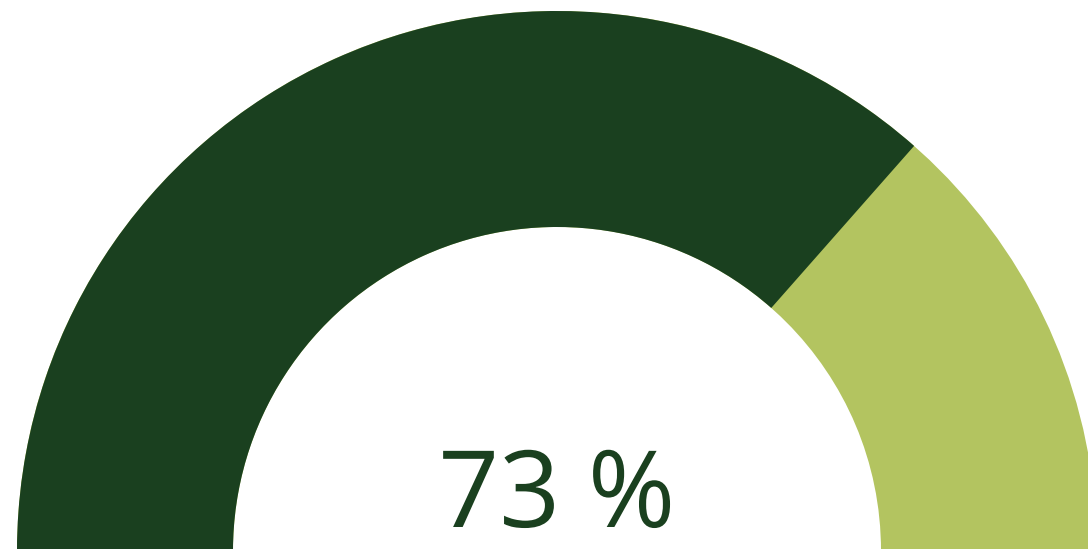




# Results and Impact

## Title: Outcomes

- Impact: Increased community participation in waste management.
- Metrics:
  - User Engagement: Achieved 73% growth in user registrations.
  - System Efficiency: Reduced waste reporting delays by 73%.
- Enhanced user experience through streamlined functionalities.





# Future Scope

- Integration of IoT for smart waste bin tracking.
- AI-based prediction for waste generation trends.
- Expanding to include recycling and composting guides.





# Conclusions

Title: Final Thoughts

- Recap of the project's significance in sustainable development.
- Commitment to improving waste management practices.
- Acknowledgment of team contributions and stakeholders.

Together we can  
recycle much more





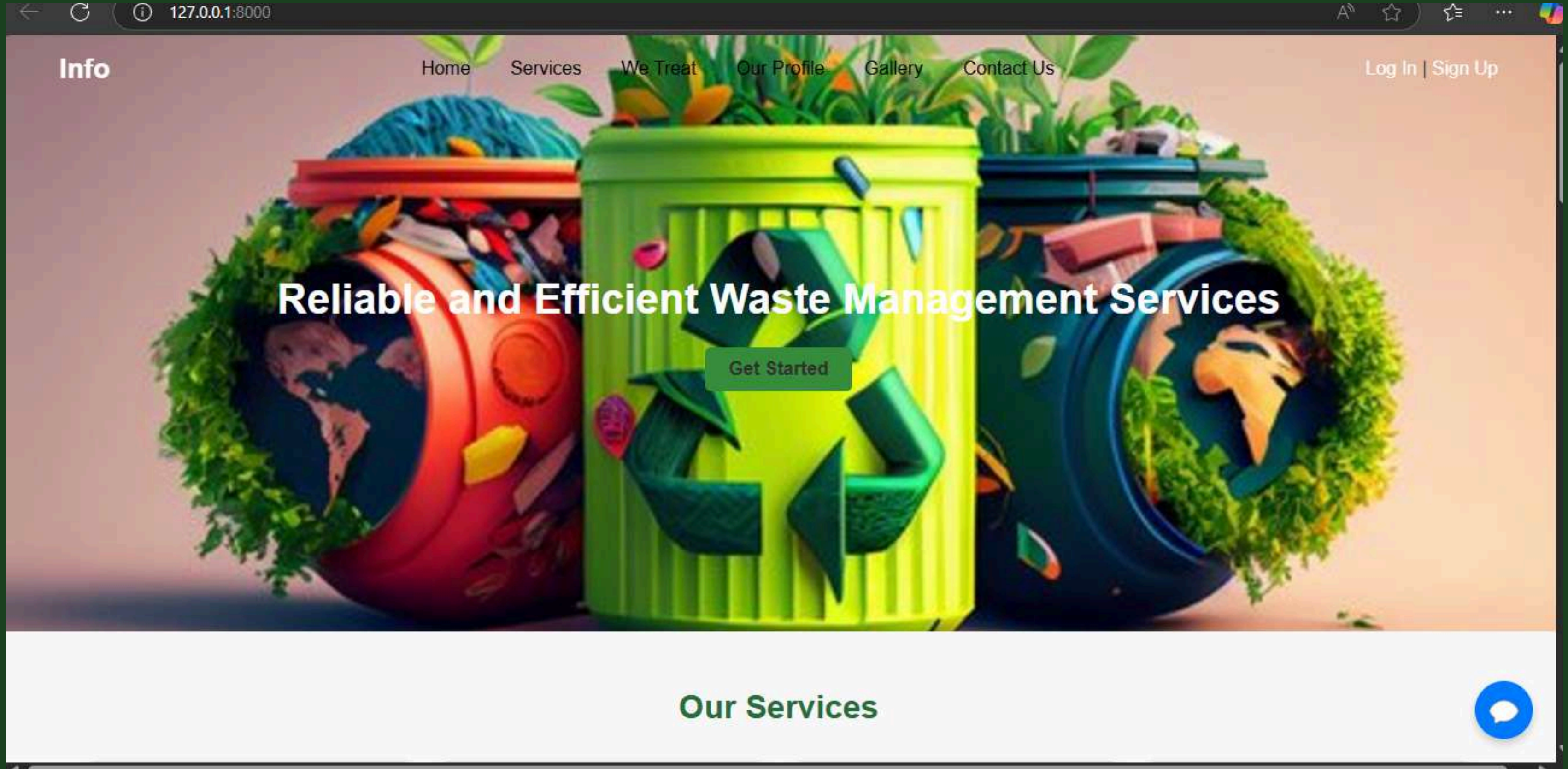


# Thanks

Sandra Haro



# Home





# Login



## Login

Sign in

[Forgot password?](#)

Don't have an account? [Sign up here](#)



# Signup



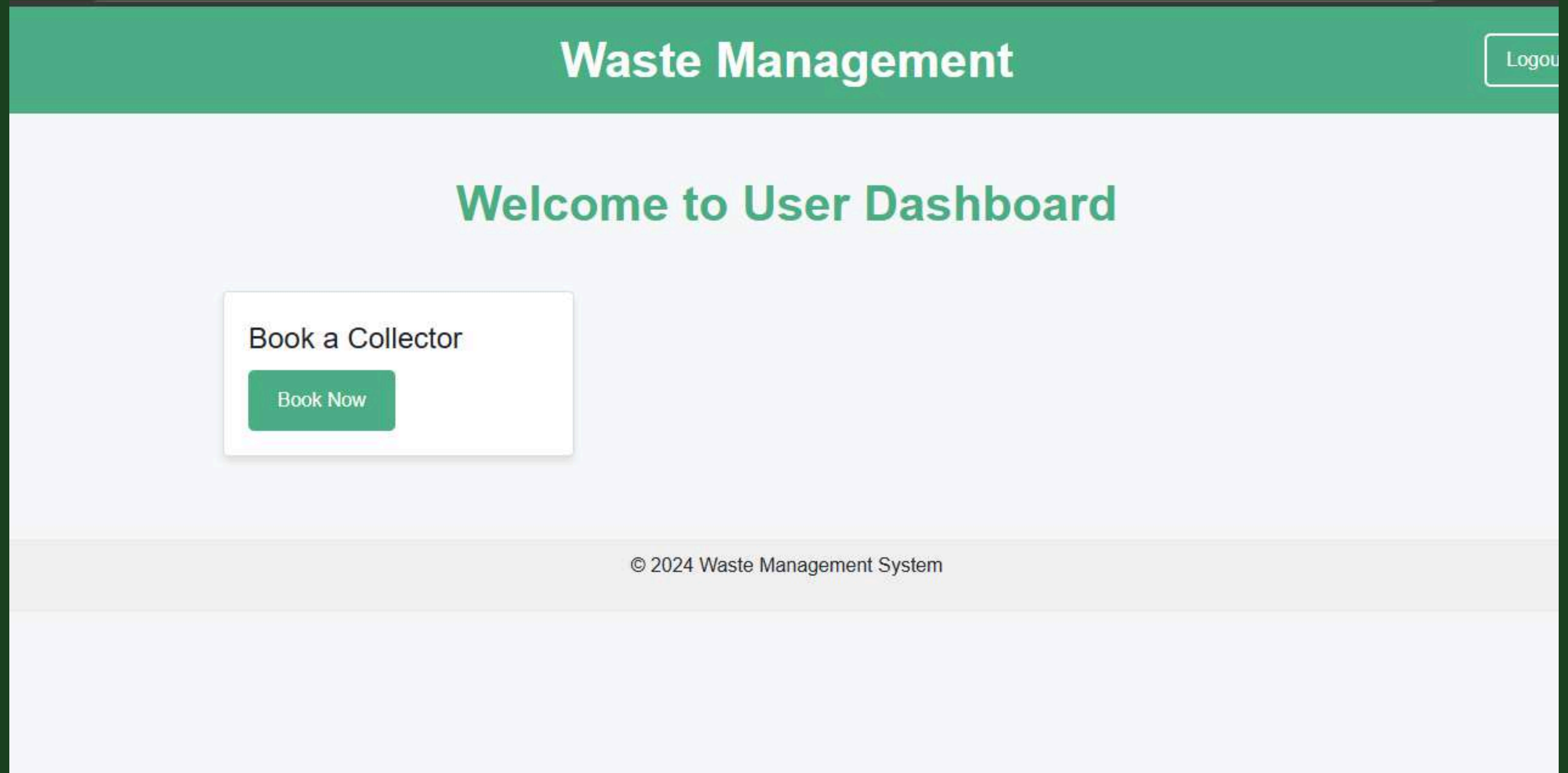
## Signup

Please fill out this field.

**Sign up**

Already have an account? [Log In](#)







# Book collector



## Book a Collector

Name:

Email:

Collection Date:

dd-mm-yyyy



Collection Time:



# Admin dashboard

Waste Management

Logout

Welcome to the Admin Dashboard

Total Users: 11

Pending Requests: 0

Completed Requests: 22

Rejected Requests: 9

Manage Booking Requests

Name	Email	Date	Time	Address	Phone	Status	Actions
sairedddy	rsai56095@gmail.com	Nov. 11, 1111	11:11 a.m.	Delhi	08848484848	Rejected	<div>Complete</div> <div>Reject</div>
prakash sowmya	panugantivamshi203@gmail.com	Nov. 22, 2024	6:09 a.m.	pluto	6969696969	Rejected	<div>Complete</div> <div>Reject</div>
tillureddy	tillureddy382@gmail.com	Nov. 26, 2024	9:30 a.m.	Delhi	9756654545	Rejected	<div>Complete</div> <div>Reject</div>
sairedddy	rsai56095@gmail.com	Nov. 11, 2024	9:30 a.m.	Delhi	08848484848	Rejected	<div>Complete</div> <div>Reject</div>
sairedddy	rohithreddy944er@gmail.com	Nov. 11, 1111	11:11 a.m.	Delhi	08848484848	Rejected	<div>Complete</div> <div>Reject</div>
sairedddy	rohithreddy944er@gmail.com	Jan. 2, 2004	11:20 a.m.	Delhi	08848484848	Rejected	<div>Complete</div> <div>Reject</div>
tillu reddy	rohithreddy944er@gmail.com	Nov. 11, 1111	11:11 a.m.	nehiwhfewufhew	08848484848	Rejected	<div>Complete</div> <div>Reject</div>



# Forgot password

## Forgot Password

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