

# MR BIN: A WASTE MANAGEMENT SYSTEM

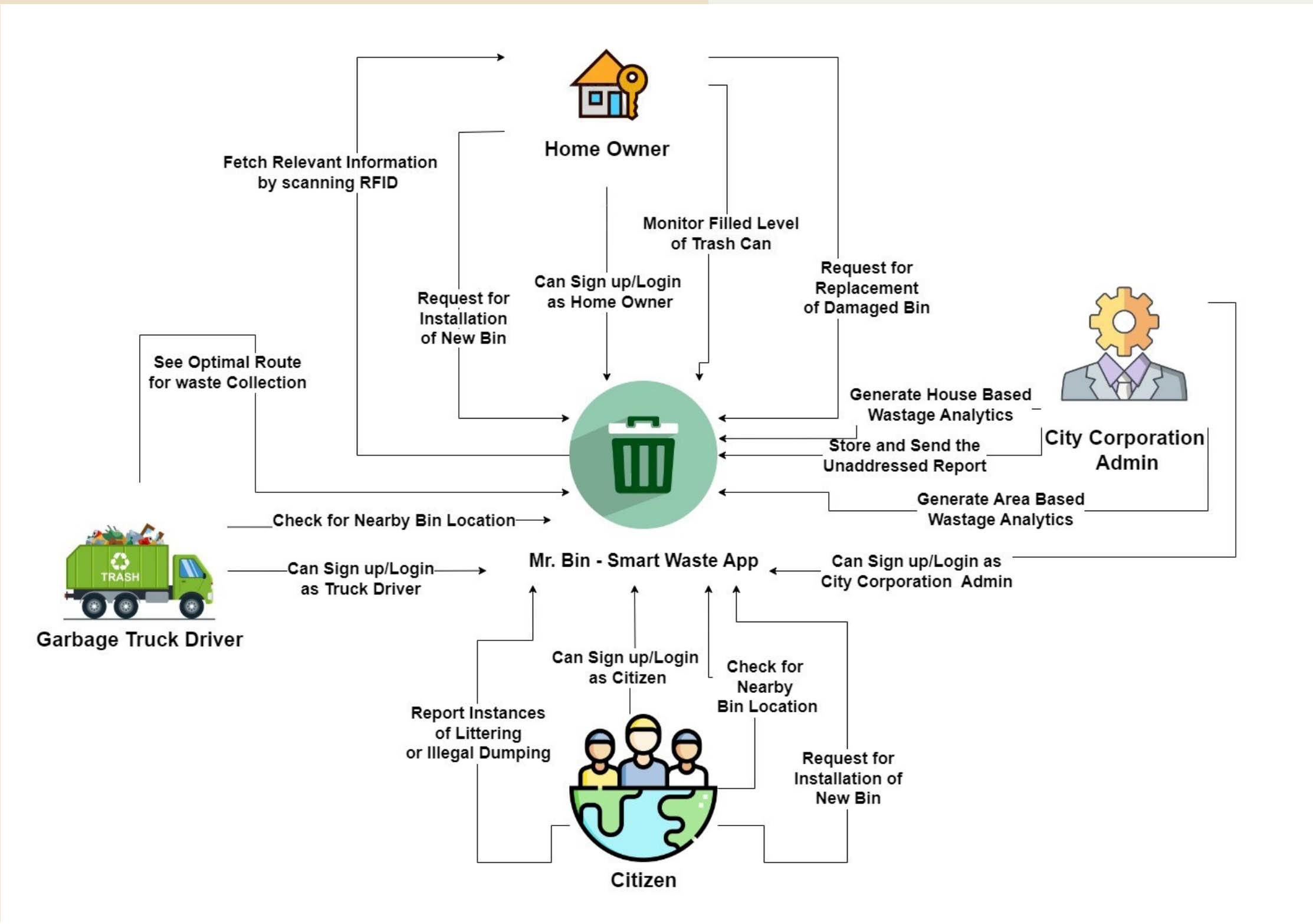
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## PROBLEM STATEMENT

- **High Waste Generation:** Daily waste generation of 37,084.46 tons.
- **Inefficient Recycling Infrastructure:** Recyclable materials cannot be separated adequately
- **Outdated Waste Collection System and E-Waste Surge:** 3 million metric tons of e-waste annually.

## PROPOSED SOLUTION

- **Automated Notification of Full Bins:** Waste collection facilities receive notifications when bins reach full capacity
- **Requesting Bins:** Users can place requests for trash bins to be installed at specific nearby addresses
- **Interactive Bin Map:** An interactive map is available to users, displaying all the bins across the city categorized by trash type.



## KEY CHALLENGES

- **Unregulated Dumping and Pollution:** indiscriminate dumping and environmental pollution due to lack of proper waste management.
- **Limited Accessibility to Trash Receptacles:** Remote areas suffer from a lack of sufficient trash cans
- **Lack of Awareness of Nearby Trash Bins:** People lack real-time information about the location of nearby trash cans

## UNIQUE FEATURES

- **Enhanced Commuting Convenience:** Efficient waste collection leads to cleaner streets, making commuting smoother and more pleasant for residents.
- **Waste Type Segregation:** Implementation of technology enables proper waste management by categorizing and managing waste based on their types.



### Collection Records

Show 

10

 entries

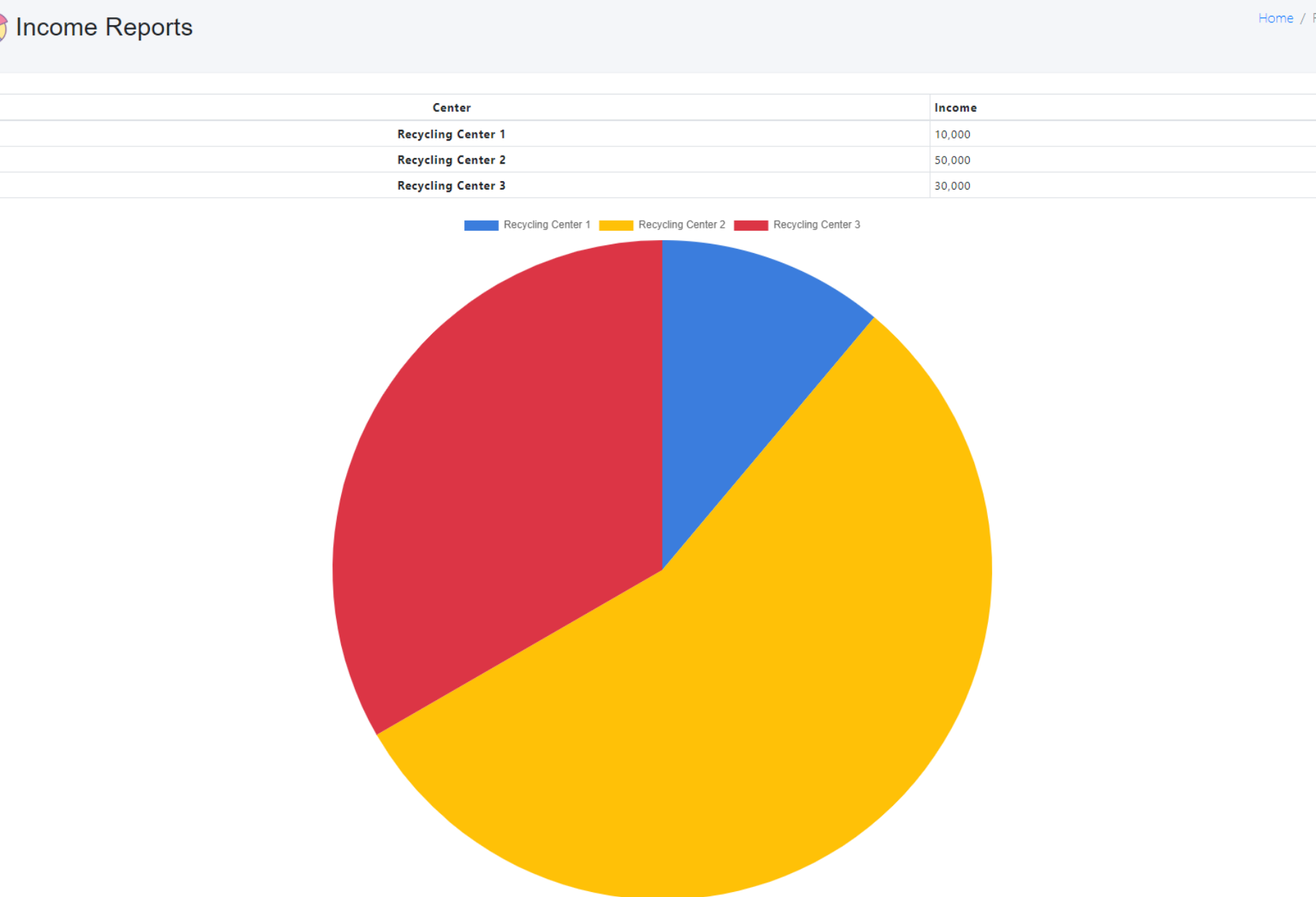
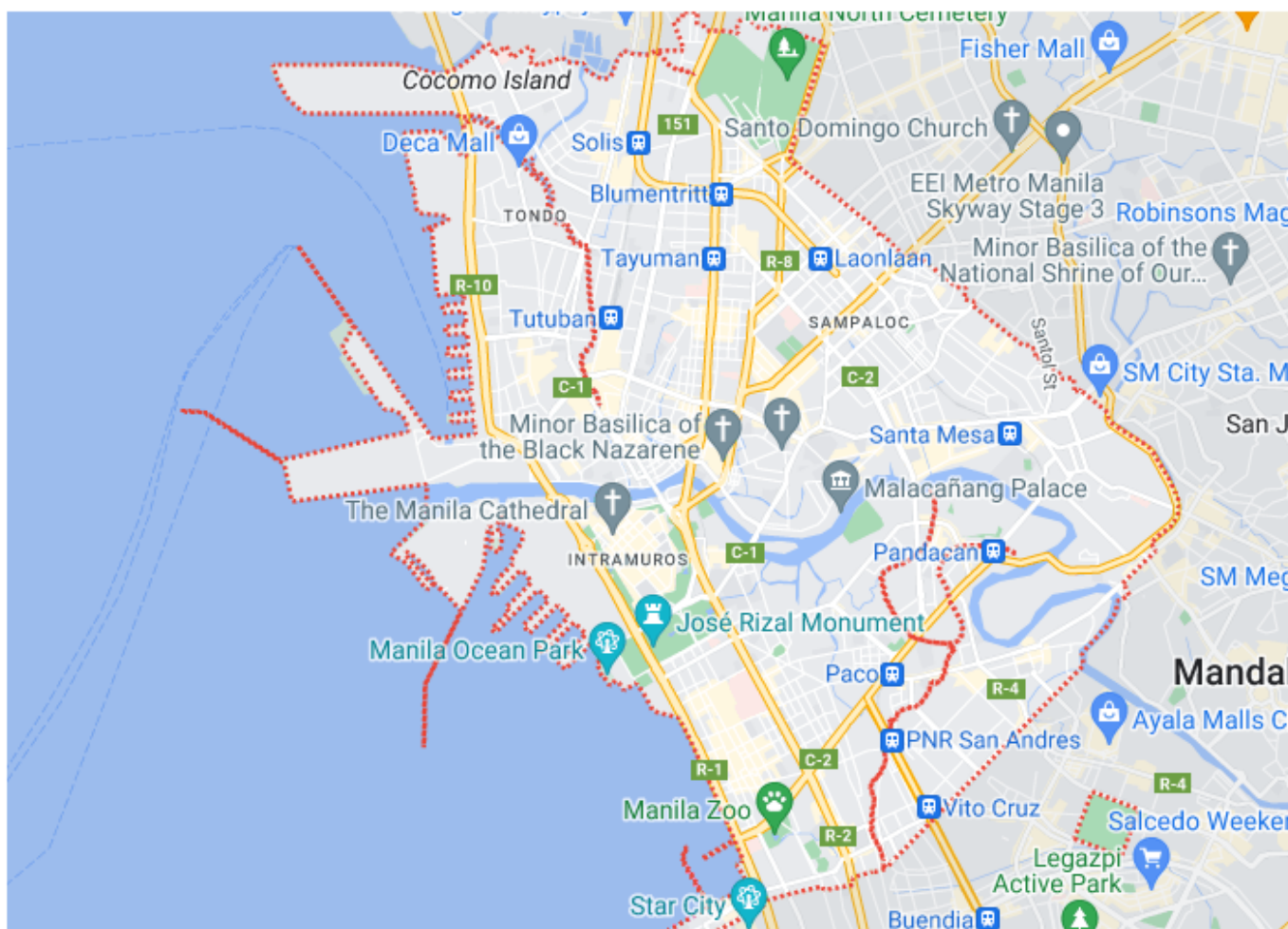
Search:

Member Name	Garbage Type	Quantity	Unit	Total Amount	Date	Action
Dominos	Food Waste	12	KG	12.00	08-16-2023	<div>UpdateDelete</div>
IUB Fab Lab	Metal Waste	2	KG	2.00	02-15-2023	<div>UpdateDelete</div>
KFC	Plastic Waste	32	KG	32.00	06-06-2023	<div>UpdateDelete</div>
Shikdar Foods	Food Waste	26	KG	26.00	02-20-2023	<div>UpdateDelete</div>

Showing 1 to 4 of 4 entries

Previous1Next

### Junkshop Location



### Garbage Type

+

 Add New

Bottle  
Taka : 10.00

 Paper  
Taka : 20.00

### Dashboard

Recycling Centers  
5

Members  
100

Garbage Collected  
75

Garbage Type

Plastic

Total Amount

Date

Choose Picture

Cancel Save

### Junkshop Information

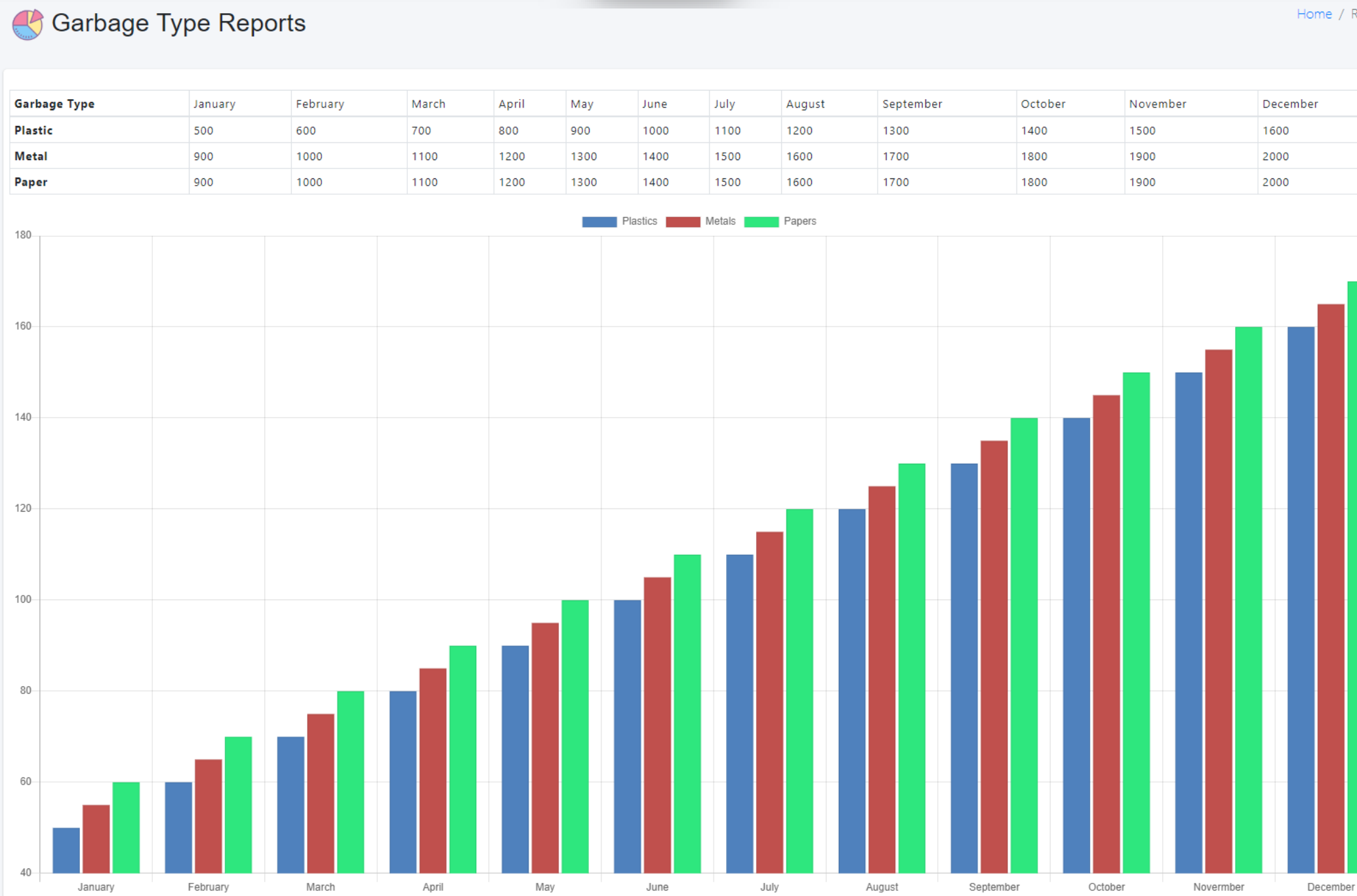
Junkshop Name

Address

Contact

Email

Cancel Save



## SPECIAL FUNCTIONALITIES

**Garbage Type Report:** Users can generate comprehensive reports categorizing waste by type. This functionality aids in understanding the composition of waste being collected, enabling more targeted recycling efforts and informed decision-making.

**Income Report:** The system also provides an income report feature, offering insights into the financial aspects of waste management operations. This report assists authorities in tracking revenue generated from waste collection.