

SAAFPAKISTAN

REVOLUTIONIZING RECYCLING IN PAKISTAN

Ali Sher, Faizan Munawer, Nouman Ali



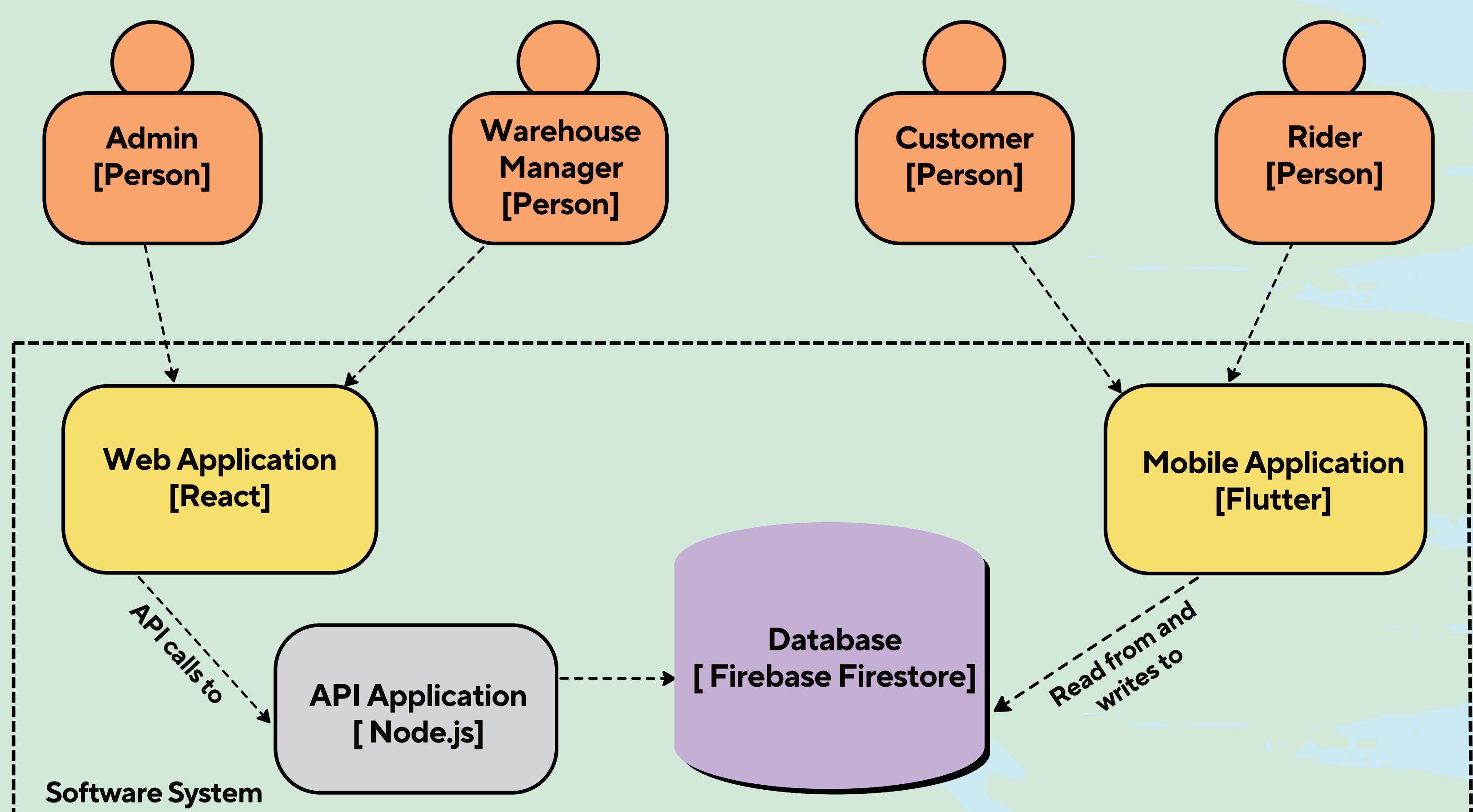
OVERVIEW

SaafPakistan is a mobile application designed to revolutionize waste management in Lahore, Pakistan. It facilitates easy recycling pickup scheduling, uses gamification to boost engagement, and offers rewards for participation. By promoting responsible waste management practices, SaafPakistan aims to foster environmental awareness and sustainability in the community. In addition to the mobile app, the SaafPakistan web application supports administrative functions, enabling efficient management of recycling operations, tracking inventory, and verifying rider activities. This comprehensive approach ensures a seamless and effective waste management system, benefiting both individuals and businesses.

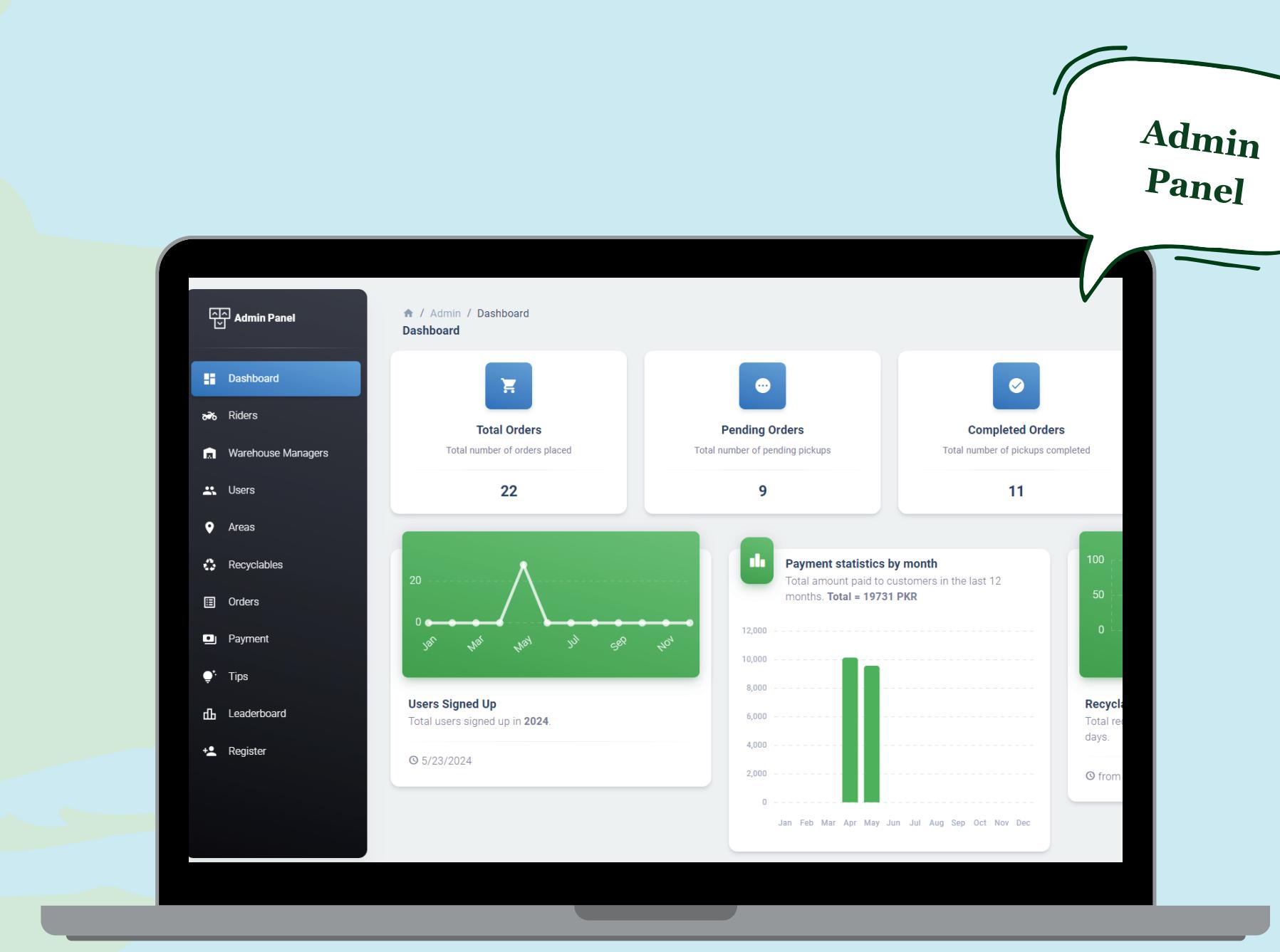
OBJECTIVES

- Conduct a comprehensive review on gamification in waste management.
- Develop a user-friendly mobile app for scheduling recycling pickups.
- Implement a system for managing recycling processes and data.
- Test and evaluate the mobile and web applications for effectiveness and user satisfaction.

HIGH-LEVEL ARCHITECTURE



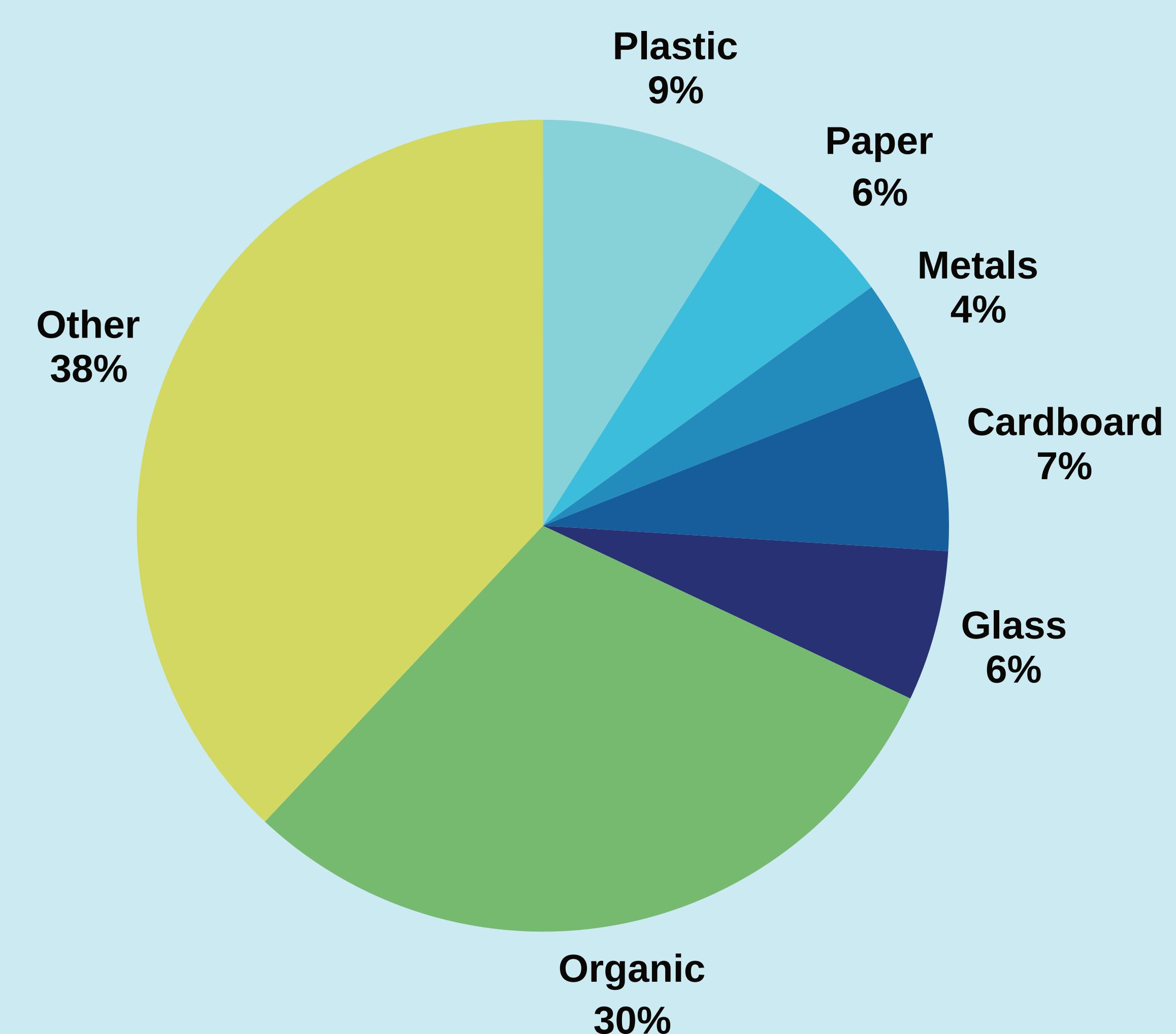
TOOLS



FUTURE WORKS

- Integrate real-time tracking of recycling pickups.
- Expand reward partnerships.
- Incorporate machine learning algorithms to predict and optimize recycling patterns.
- App deployment on Google playstore.

PHYSICAL COMPOSITION OF MSW



METHODOLGY

- Studied existing waste management and gamification techniques.
- Identified gaps in Lahore's current waste management.
- Developed a user-friendly application to encourage and facilitate recycling efforts.
- Iterative testing and user feedback for continuous improvement.

