**WRAP Research Document**

**Introduction:** The WRAP App is an application designed to assist users in managing waste disposal effectively. This app will provide a platform for users to track and monitor their waste disposal habits, learn about environmentally friendly waste disposal methods and connect with local waste management service providers.

**Objective:** The objective of this document is to outline the requirements for the Waste Management App.

**User Requirements:**

1. Registration: The app should allow users to register and create an account to access all features of the app.
2. User Profile: The app should allow users to create a profile that will include their name, location, and contact information.
3. Waste Tracking: The app should allow users to track their waste disposal habits, including the amount and type of waste generated.
4. Schedule Pickup: Allows the users to choose the time slot for waste door pickup or drop-off at collection points.
5. Waste to rewards: At every pickup, user receives a WRAP coin as reward. Using WRAP coins users are able to redeem rewards.
6. Waste Reduction Tips: The app should provide users with waste reduction tips and encourage them to adopt eco-friendly waste disposal methods.
7. Service Provider Listing: The app should provide users with a list of local waste management service providers, including their contact information, service area, and services offered.
8. Service Provider Reviews: The app should allow users to rate and review service providers based on their experience.
9. Notifications: The app should send notifications to users reminding them of waste disposal days and providing tips on waste reduction.
10. Privacy and Security: The app should ensure user privacy and data security by implementing secure login, data encryption, and protection of user information.

**Functional Requirements:**

1. User Interface: The app should have an intuitive and user-friendly interface that is easy to navigate.
2. Database: The app should have a database that stores user information, waste disposal data, and service provider information.
3. Geolocation: The app should use geolocation to identify the user's location and provide relevant waste management service providers in their area.

**Conclusion:** The WRAP system makes urban environment much cleaner and healthier by accordingly collecting wastes from user’s door steps. The WRAP keeps track of user’s waste and its impact through proper analysis. At every pickup, user receives a WRAP coin as reward. These WRAP coins can be collected overtime to claim products and discount coupons. Let’s properly dispose the scraps for achieving better waste management and amazing rewards while tracking your waste pickup rate.