

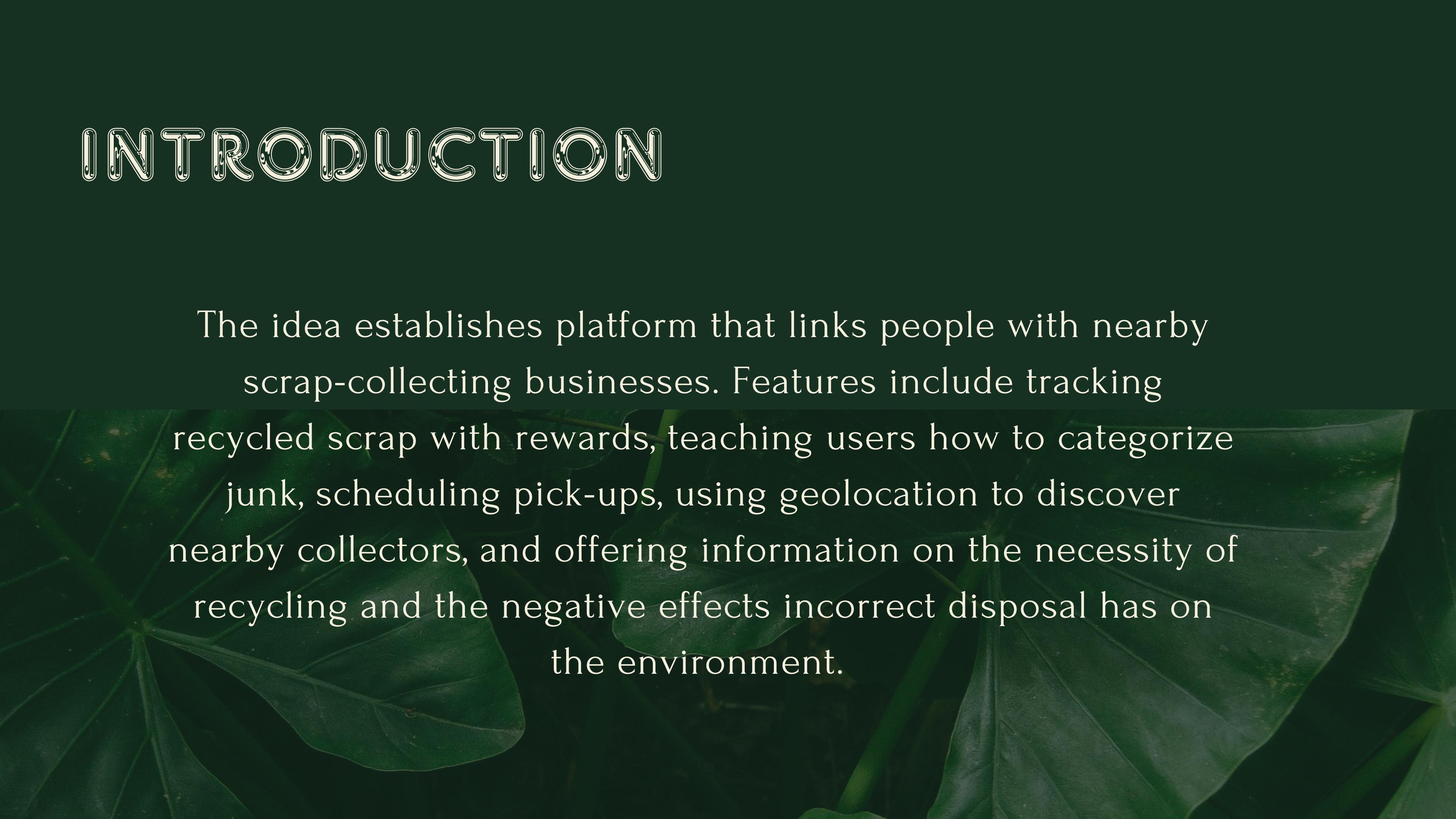


RECYCLEMATE

TEAM SYNC -

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INTRODUCTION



The idea establishes platform that links people with nearby scrap-collecting businesses. Features include tracking recycled scrap with rewards, teaching users how to categorize junk, scheduling pick-ups, using geolocation to discover nearby collectors, and offering information on the necessity of recycling and the negative effects incorrect disposal has on the environment.

SDG GOALS

11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



15 LIFE
ON LAND



IMPLEMENTATION

Technology Stack

Frontend Development

- Technologies: HTML, CSS , JS (Web)
- Focus: Responsive, user-friendly UI/UX

Geolocation Services

- Technologies: Google Maps API/Mapbox
- Focus: Accurate and reliable location-based features

Backend Development

- Technologies: Node.js
- Focus: Secure, scalable, and efficient infrastructure

User Authentication

- Focus: Secure authentication, protecting user data

Database

- Technologies: SQL
- Focus: Real-time data management (user info, scrap categories, transaction history)

AI & Data Analytics

AI-Powered Recommendation System

- Recommends: Factories for large scrap quantities
- Suggests: Consumers/collectors for smaller quantities

Focus

- Optimizes: Material flow for maximum reuse
- Enhances: Decision-making with user and impact insights