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| Project Title: | GreenSync |

Stakeholder Vision Document

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| INSTRUCTIONS:  Populate the below fields to create a common agreement on key project objectives and deliverables. Keep in mind that you will need input from your stakeholders when completing this document. This should be a team effort in order to maintain alignment. |

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| High-Level Scope: |
| GreenSync is an AI-driven waste management platform that enables community users to register, log in, and upload photos of potential waste sites, with geolocation data captured automatically. The platform leverages an advanced AI engine to detect the presence of waste and accurately categorize its type. Once a report is submitted, it is automatically marked as pending for review, and only administrators can update the status through in progress and eventually to completed. Users are incentivized with an initial reward (such as 10 points or a variable reward X) for validated reports, along with additional bonuses upon successful completion, while a public ranking board displays user performance to promote community engagement. |
| High-Level Release Plan: |
| * **Phase 1:**   Implement user registration, login, photo upload with geolocation, and integrate the AI for waste detection and categorization.   * **Phase 2:**   Develop an admin dashboard for updating report statuses from pending to in progress and completed.   * **Phase 3:**   Integrate the reward system and public ranking board, followed by comprehensive testing and stakeholder feedback. |
| Product Consumers: |
| * Community users reporting local waste issues. * Local authorities and waste management companies leveraging the data for operational improvements. * Platform administrators managing and reviewing report statuses. |
| Method(s) To Gather Feedback: |
| * In-app surveys and feedback forms * Beta testing with target users * Regular focus groups and stakeholder meetings * Analytics on system performance and user engagement |
| Acceptance Criteria: |
| * **User Authentication:** Secure registration and login. * **Photo Upload & Geolocation:** Successful photo uploads with automatic geolocation capture. * **AI Waste Detection:** Reliable detection and categorization of waste. * **Report Lifecycle Management:** New reports are auto-marked as pending, with only admins able to change statuses. * **Reward System & Leaderboard:** Users receive rewards for validated reports, with a dynamic leaderboard reflecting their rankings. * **System Performance:** Consistent, reliable performance with clear notifications at each stage. |