



Project Overview

Version - Date	Member	Changes
v1 - 15 Mar 2024	@Vincent Kurniawan	Initialized structure to <ul style="list-style-type: none">• Overview: includes problem outline, client background, and objectives with limitations of as-is-system and opportunities• Stakeholders• Scope: between GR-Wombat and GR-Koala
v2- 17 Mar 2024	@Vincent Kurniawan	Added resources used for client background
v3 - 19 Mar 2024	@Vincent Kurniawan	Apply suggestions as discussed in 19-03-2024 Team Meeting #4

Problem Outline

The current state of recycling in Australia is highly complex and variant, with regulations varying significantly depending on your residential zone. Each zone have its own waste regulations and disposal schedules, and many packaging materials must be taken through special collection points for recycling. Hence, these varying regulations make recycling even more confusing for the general population and disincentivize them from separating recyclable materials from landfill ones. Consequently, this leads to increased costs for councils and recycling companies in cleaning and managing waste, as well as amplifying the planet's issue of ever-growing landfill sites.

Client Background

GreenQueen (Aus, Pty Ltd) is an Australian-based start-up with the vision of improving recycling in Australia. They are a team of avid recyclers with a mission to collaborate with individuals, government, and businesses to mitigate waste and be more informed on how to properly manage it. They noticed the lack of an easy-to-access platform that serves as an informative recycling hub, providing educative information on local recycling, reuse, and upcycle schemes for the general Australian population to use. Furthermore, existing platforms lack information on sustainable initiatives in local communities for a specific council area.

In response to this problem, GreenQueen has developed a digital solution Binfluence, an informative recycling web application tailored to residents seeking clear local recycling regulations and initiatives, councils targeting to mitigate costly waste management practices, and companies committed to promoting sustainable practices in Australia.

Objectives

In this project, GreenQueen's founders, Rebecca Awdry and Mandy Pritzkow, have expressed their interest in improving their existing Binfluence application. This project is assigned to two different development teams, GR-Wombat (us) and GR-Koala. Each team are tasked to work on different features of the requirements. The client has requested the following improvements and evaluations of their current application:

1. Divide "Council" database into 3 distinct databases: "Council", "Owner Corporations", and "Companies".
2. Evaluate existing database setup for scalability to accomodate a growing user base.
3. Improve the bin calendar by:
 - Adding different bin collection dates for different zones within a Council.
 - Adding 24 hours notification before a bin day collection date, and be able to manually edit notifications.
 - Add hover on bin types in the bin calendar to provide more information about the bin type.

4. Conduct research on an optimal approach to integrate multiple language options for the application, considering aspects such as handling static and dynamic data, integration with current setup, performance concerns, and determining ideal number of languages to begin with (Optional).

Additional Context:

Client Wants and Whys:

GreenQueen aims to optimize their app to attract more users, including ordinary residents, companies, building owners, and councils. They want to expand their user base and reach a wider audience to promote responsible waste management and benefit from collaborating with building owners, companies, and councils.

Industry Need:

The waste management industry needs a solution like *Binfluence* to address the growing concern of environmental waste. With increasing awareness of the impact of improper waste disposal, there is a demand for accessible and user-friendly platforms that provide guidance and resources for responsible waste management. It also promotes collaboration between different stakeholders and encourages environmental sustainability, benefiting the industry as a whole.

Values for Users:

Binfluence simplifies the process of finding appropriate waste disposal locations, saving users time and effort. It provides a user-friendly interface and personalized information, enhancing the overall user experience and convenience.

Stakeholders

Users	Roles
Admin	Responsible for the development and maintenance of <i>Binfluence</i> , providing strategic guidance, and ensuring that the platform meets the needs of users and stakeholders. Uses Binfluence CMS.
Team	Developers, designers, and project managers implement desired features and improvements.
Residents	Primary users, seeking resources for responsible waste management. Uses Binfluence.
Councils	Responsible for waste disposal regulations within their zones. Uses Binfluence CMS.
Owner's Corporations	Responsible for waste management within properties. Uses Binfluence CMS.
Recycling Companies	Involved in collecting and processing recyclable materials. Information displayed in Binfluence.