Recycle all the things

Primary Purpose

The purpose of this web app is to facilitate MORE RECYCLING! One of the most common questions I hear is "Is this recyclable?". With this app, I hope to mitigate the confusion behind recycling by providing a clear "Yes" or "No" answer.

App Function

This app should allow you to query any number of common, and some not so common, items to learn if they are recyclable. The returned result should provide a "Yes" or "No" answer, and any special instructions on how to recycle or dispose of the items.

Minimum Viable Product

Because city recycling facilities are the key to what can be recycled, the minimum viable product will consist of recycling standards for the city of the San Antonio. Future scalability options would offer multiple cities and a user interface where city accounts could be created, updated and maintained.

Main Pages (MVP) – whole site will have header that has one main input field to query items table for Boolean.

Home – One main input field to query items table for Boolean. Links to other information and resources about recycling.

Results – Returns the query result with Boolean for item, short description, and optional media or further resources for item.

Why Recycle – Informational page about History and Reasons we recycle and should make goals towards MORE recycling.

All Recyclables – List of all Recyclable items

Local Facilities – Informational page about Local Recycling facilities (San Antonio) and why some seemingly recyclable items are NOT recyclable.

Secondary Pages

Contact – Information on how to contact

Terms of Use – Law stuff.

Database Tabels

Cities Table - Table of cities / San Antonio etc.

- id -int[]

- name – varchar[200]

- recyclables_count - int[]

- created - datetime[]

- modified – datetime[]

Categories Table - Table of categories / Plastics etc.

- id - int[]

- name - varchar[300]

- items_count - int[]

- created - datetime[]

- modified - datetime[]

Items Table - Table of items / Pizza Box etc.

- id - int[]

- name – varchar[300]

- description – text[]

- recyclable – bool[]

- category_id – varchar[300]

- status – varchar[200]

- created - datetime[]

- modified - datetime[]

Recyclables Table - IF item has a city specific override / In SA, Pizza boxes are not recyclable etc.

- id – int[]

- city_id – int[]

- item_id – int[]

- recyclable – bool[]

- description – text[]

- created – datetime[]

- modified- datetime[]