Reshare

Team 5

Team Members and Roles

- Robert Gonzalez Backend, Frontend
- Ziming Wang Backend
- Arden Yan Backend, Frontend, Database
- Jeffrey Zhan no contribution

Vision Statement

For environmentally conscious foodies who want to reduce their carbon footprint, Reshare is a sustainable recipe-sharing platform that allows users to create and find eco-friendly meals along with their estimated carbon emissions of recipes. Unlike conventional recipe apps that focus solely on taste and convenience, our product prioritizes sustainability, creating a positive impact on both the planet and way people think about the meals they eat.

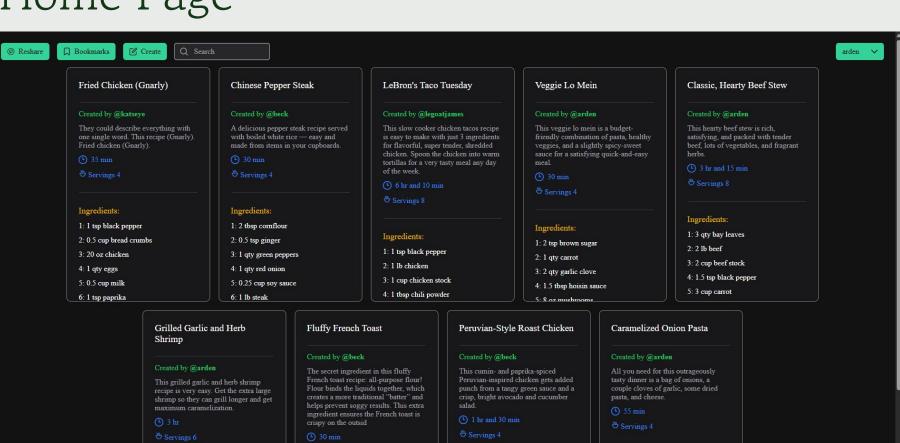
What is Reshare?

 Reshare's goal is to foster a community of users who create, share, and discover recipes that have been given a carbon emission estimate through our sustainability evaluation system.

Features:

- User authentication
- o Recipe creation
- Sustainability rating
- o Recipe bookmarking
- Recipe discovery

Home Page



Recipe Cards

- Recipe cards contain:
 - o Title
 - Author username
 - o Short description
 - o Time to make
 - Number of servings
 - o Ingredients
 - o Steps
 - o Kg of CO₂ emitted
 - Bookmark button





Sustainability Rating Calculation

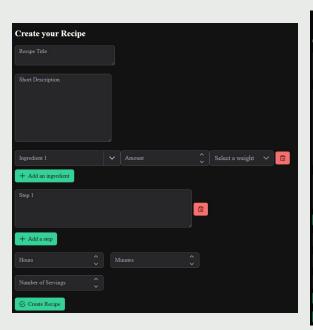
- Used available database of ingredients and their estimated CO₂ emissions from My Emissions https://myemissions.co/
- Formula:

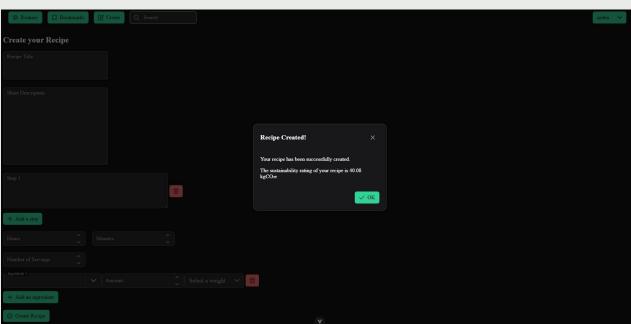
$$TotalCO_{2}Emitted(kg) = \sum_{i=1}^{n} \frac{Weight_{i} \times CF_{i} \times Amount_{i} \times CO_{2}PerGram_{i}}{1000}$$

where

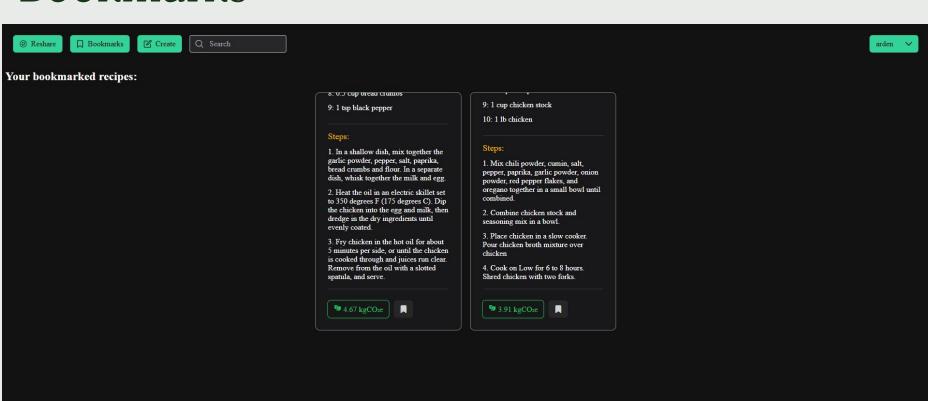
- n = number of ingredients selected
- i = index representing each ingredient
- CF = conversion factor of selected weight to grams

Create Recipe

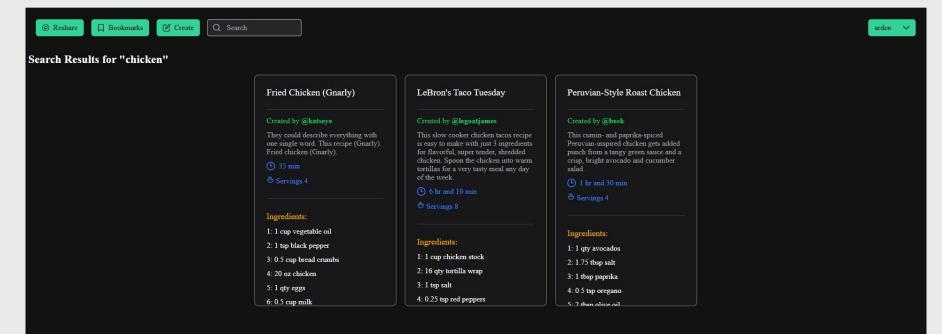




Bookmarks



Search



Profile











@arden

Recipes:

Slow Cooker Beef Stew

Created by @arden

This easy slow cooker beef stew recipe made with potatoes, carrots, celery, broth, herbs, and spices is hearty and comforting.

4 hr and 20 mir

Servings 6

Ingredients:

- 1: 1 qty bay leaves
- 2: 2 lb beef
- 3: 1.5 cup beef stock
- 4: 0.5 tsp black pepper
- 5: 4 qty carrot

Veggie Lo Mein

Created by @arden

This veggie lo mein is a budgetfriendly combination of pasta, healthy veggies, and a slightly spicy-sweet sauce for a satisfying quick-and-easy meal.

1) 30 min

Servings 4

Ingredients:

- 1: 2 tsp brown sugar
- 2: 1 qty carrot
- 3: 2 qty garlic clove
- 4: 1.5 tbsp hoisin sauce
- 5. 8 oz mushrooms

Classic, Hearty Beef Stew

Created by @arden

This hearty beef stew is rich, satisfying, and packed with tender beef, lots of vegetables, and fragrant herbs.

- 3 hr and 15 min
- ⇔ Servings :

Ingredients:

- 1: 3 qty bay leaves
- 2: 2 lb beef
- 3: 2 cup beef stock
- 4: 1.5 tsp black pepper
- 5: 3 cup carrot

Grilled Garlic and Herb Shrimp

Created by @arden

This grilled garlic and herb shrimp recipe is very easy. Get the extra large shrimp so they can grill longer and get maximum caramelization.

- © 31
- ⇔ Servings 6

Ingredients:

- 1: 3 tbsp basil
- 2: 1.5 tsp black pepper
- 2. 1.5 tsp oldek pepper
- 3: 0.25 tsp cayenne pepper
- 4: 3 qty garlic clove

Caramelized Onion Pasta

Created by @arden

All you need for this outrageously tasty dinner is a bag of onions, a couple cloves of garlic, some dried pasta, and cheese.

- O 55
- ♡ Servings 4

Ingredients:

- 1: 3 tsp black pepper
- 2: 2 tbsp butter
- 3: 2 qty garlic clove
- 4: 2 tbsp olive oil
- 5: 2 lb onion