

EcoBites

“Helping You, Help the Planet”



Group 22

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Discussion Forum



Repo:
https://github.com/OryWickizer/Software_Engineering/tree/main/proj2



Video

Mission Statement

EcoBites empowers customers to make every meal an eco-conscious choice by providing a sustainable meal delivery web app with transparent carbon tracking and engaging rewards, making sustainable eating measurable and beneficial for the planet.

Stakeholders

Customers

Restaurants

Delivery Drivers

Release 1 Milestones

Eco Packaging Selection

Restaurants can choose if their packaging is reusable, minimal, or compostable, and customers can use that information to inform their eco-friendly selections.

Community Sharing / Group Orders

Customers can opt-in to having their order combined with a neighbor or co-workers order to reduce packaging and waste. This will earn them rewards, in order to encourage eco-friendly choices.

Authentication System Attractive UI Framework to Build On

Restaurants can add menu items, customers can order, and drivers can update deliveries. Each stakeholder also has an order history. Users are able to login to accounts with appropriate functionality.

Seasonal Menu Highlight

When adding items to their menu, restaurants can highlight an item as seasonal and customers can earn points for ordering seasonal items.

Rewards System Partially Implemented

When customers select seasonal items or group their orders to reduce packaging waste, driver's earn points for selecting those orders.

Release 2 Milestones

Eco Challenges & Gamification

Participate in challenges like reducing single-use plastics or trying plant-based meals to earn rewards and points on the leaderboard.

Canceled Orders & Leftovers

If someone cancels an order or has leftovers, others can bid to claim it, reducing food waste.

Eco Impact Receipts

View a personalized impact dashboard showing water saved, CO₂ prevented, and weekly comparisons.

ML / LLM Eco-Friendly Restaurant & Food Recommendation

Get AI-powered recommendations for meals and restaurants with the lowest environmental impact.

Drivers Get Incentives for Using Eco Friendly Vehicles

Drivers using electric vehicles, bikes, or low-emission methods earn incentives for greener deliveries.

Implement Rating System and Carbon Tracker

Right now the rating system and carbon footprint tracker are static.

Test Cases

146 Tests

76% Coverage

Why You Should Choose Our Project

Our product could help battle one of humanity's greatest challenges: climate change. It can help improve consumer choice and allow restaurants stand out by sharing with customers that they also care about more than just making money.

Our tech stack is easy to use and AI-friendly. The framework is already built, so all you have to do is add in fun features.

A Better Version...

The next version of this app could look better and make some of the static pieces dynamic. For example, the rating system could be implemented for real, along with the carbon footprint feature.

