



SUSTAINABILITY HACKATHON 2023

ShareEat

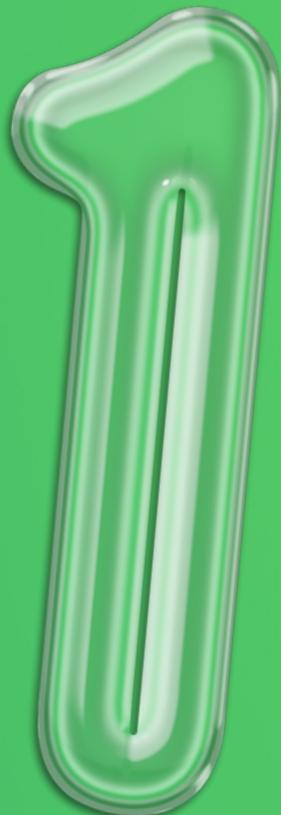
Mobile app idea presentation

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Problem

A billion people across the world are deprived of food on a daily basis. Yet, a third of our food goes to waste due to unregulated consumption practices and a lack of resources to distribute the food among the needy.



Problem

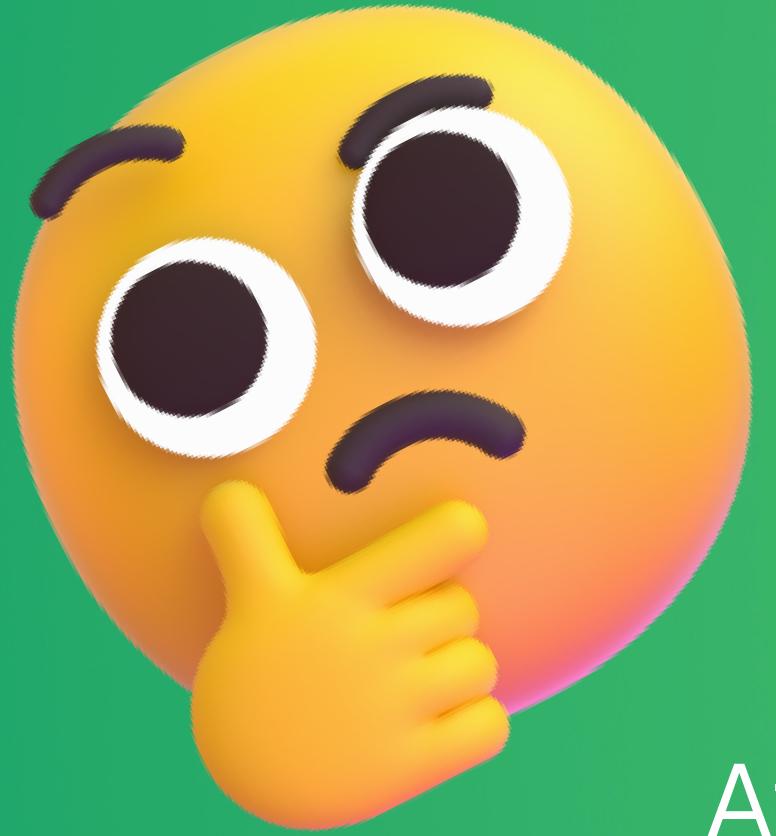
About 1.3 billion tons of food, which could feed millions of hungry people has a negative impact on the environment.



Problem

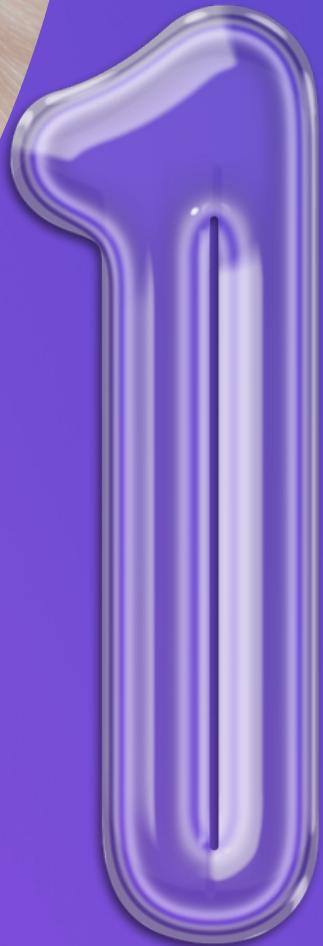
Food waste generates greenhouse gases, consumes valuable resources, and contributes to food insecurity and poverty.





After seeing this all, we needed a solution to reduce food waste, feed the needy, and promote sustainability.





Solution

We came up with a solution as a mobile application platform that would connect local food businesses with community members who are interested in donating food to the needy, reducing food waste, and saving money on meals.





Solution

The app would allow businesses, food banks, and individuals to post their surplus food inventory, such as restaurant meals, grocery items, and baked goods. Users would browse the available inventory and purchase items at a discounted price.





3



Solution

Additionally, businesses could post promotions such as buy-one-get-one-free offers and stock clearance sales of food products that are about to expire.





So, what's our product?



Well, we're still baking 'Eat'



Ah sorry, making it...



* Here's just a starter (Main course will be given in prototyping stage!)

INTRODUCING



An intuitive mobile app
that connects local
food businesses with
community members
who are interested in
donating food to the
needy, reducing food
waste, and saving
money on meals.



What is ShareEat?

With ShareEat, businesses can post their surplus food inventory on the app and users can browse and purchase these items at a discounted price.

Users can also receive notifications for flash sales and promotions, such as buy-one-get-one-free deals or stock clearance sales.

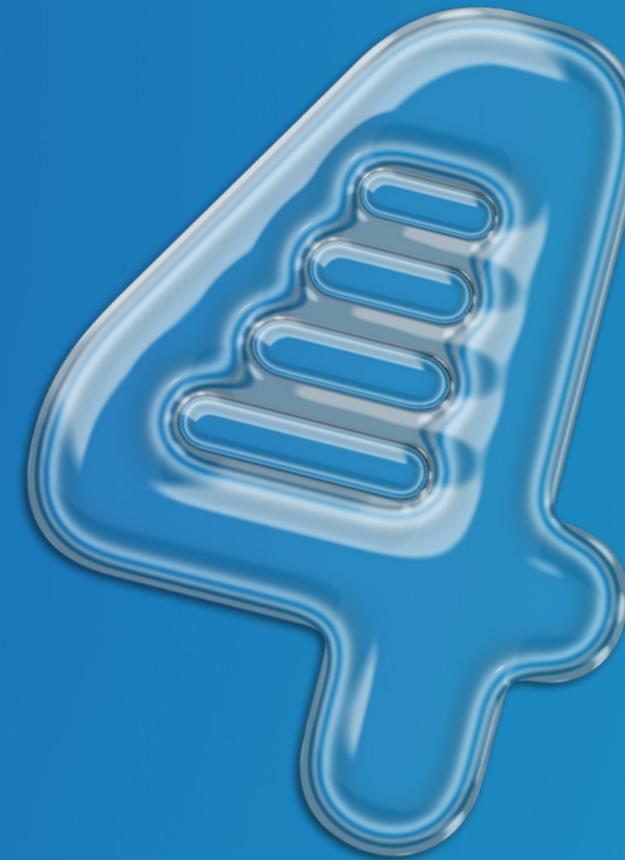


* What is ShareEat? *

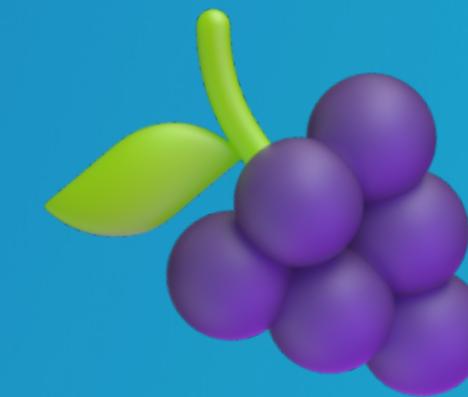
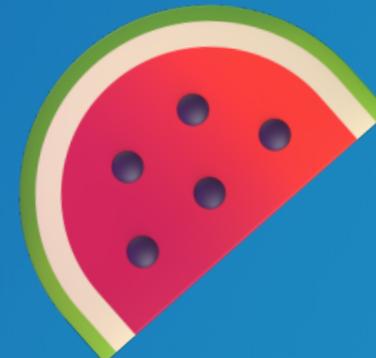


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Users can conveniently PostEat, SearchEat, ExploreEat and BuyEat with ShareEat. Thanks to 'Eat's simple user interface, in-built map, and AI-powered features.



'Eat' creates a win-win situation for everyone who want to promote sustainability, reduce food waste, and feed the needy.





*Together we share, together we eat.
Just ShareEat!*

User Segment and Pain Points

ShareEat's target audience includes community members who are interested in donating food to the needy, reducing food waste, and saving money on meals, as well as local food businesses looking to increase revenue and reduce food waste.

Users of ShareEat may include college students, busy professionals, and environmentally-conscious individuals who are looking for affordable and convenient meal options.

User Segment and Pain Points

Pain points for businesses include lost revenue from excess food inventory, logistical challenges in managing surplus inventory, and a desire to reduce food waste and improve sustainability practices.

Pain points for users include limited access to affordable and healthy food options, lack of awareness about surplus food inventory at local businesses, and concerns about the environmental impact of food waste.



ShareEat addresses all these pain points by providing users with access to affordable and healthy meals, increasing awareness about surplus food inventory at local businesses, and helping businesses reduce food waste, helping most of the people who are deprived of food on a daily basis and improve sustainability practices.

Competitors and Key Differentiators

1

- * There are several food-sharing apps on the market, including Too Good To Go, OLIO, and Karma. Too Good To Go and OLIO are both user-generated content platforms that allow individual users to share surplus food items with each other, whereas Karma focuses on connecting users with local restaurants and cafes.



Competitors and Key Differentiators

2

While these apps have gained popularity in recent years, they are not without their limitations. Some users have reported inconsistent food quality and limited availability of inventory in certain areas.



Competitors and Key Differentiators

3

- ShareEat aims to address these pain points by partnering directly with businesses to ensure a reliable and consistent supply of surplus food inventory, as well as providing personalized meal recommendations and sustainability tracking through AI-powered features.



Now, let's talk about AI

Here is a list of AI features we are going to add to ShareEat:

- Personalized meal recommendations based on user preferences and dietary restrictions
- Sustainability tracking to monitor the environmental impact of food waste reduction efforts
- Predictive inventory management to help businesses optimize their surplus food supply and reduce waste
- Natural Language Processing (NLP) to analyze customer feedback and improve the user experience
- Machine Learning (ML) algorithms to optimize pricing and discounts for surplus food inventory
- Map-based searching to allow users to search for surplus food inventory by location.



Now, let's talk about AI

To achieve these AI features, we'll use these MS tools and services:

- Azure Cognitive Services for NLP
- Azure Machine Learning for predictive modeling and ML algorithms
- Azure IoT for data collection and analysis
- Power Platform for building custom apps and automating workflows
- Azure Digital Twins for creating virtual models of physical environments and assets for predictive maintenance and optimization
- Azure Maps to add the map-based searching feature





Future of ShareEat

Our future expansion plans for ShareEat are as follows:

- Expand to other cities and regions to further reduce food waste and increase access to affordable meals.
- Implement more AI features such as personalized meal recommendations based on user preferences and purchasing history.
- Introduce a rewards program for users and businesses to incentivize further participation in reducing food waste.*
- Partner with local organizations and charities to donate surplus food to those in need and reduce food insecurity in the community.
- Explore the potential of blockchain technology to increase transparency and traceability in the food-sharing process.
- Expand to include non-food items such as clothing and home goods to reduce waste in other areas. *



And, last but not the least...

**These are the
sustainable
Development Goals
(SDGs) that ShareEat
could contribute to:**

- **SDG 2: Zero Hunger** - by reducing food waste and improving access to affordable food.
- **SDG 8: Decent Work and Economic Growth** - by creating opportunities for local food businesses to sell their surplus inventory and potentially increase their revenue.
- **SDG 12: Responsible Consumption and Production** - by promoting sustainable consumption patterns and reducing waste.

That's Eat!

Thank you for your time and attention!

Supportive documents:

[Click here to open GitHub repo](#)

Prototype link:

[Click here to run the prototype](#)