

Food Avenger



- **Problem statement title:** "Reducing Food Waste: Empowering Communities for a Sustainable Future".
- **Team name:** CODERUNNERS
- **Team Leader Name:** Deepali Saini
- **College:** Delhi Technological university
- **Theme name:** Sustainability
- **Project name:** Food Avenger



IDEA DETAILS

Mobile app/web app

APPROACH/ SOLUTION

- **Item Management:** Enable users to input and store details of grocery items, including name, quantity, purchase date, and expiry date.
- **Expiration Prioritization:** Implement algorithms to prioritize items based on their expiry dates, ensuring that those nearing expiration are prominently displayed or easily accessible.
- **Real-time Updates:** Continuously monitor the expiry dates of items and update the list in real-time to reflect changes in priority.
- **User Interaction:** Allow users to interact with the list by adding, removing, editing, or marking items as consumed, ensuring flexibility and customization.
- **Customization Options:** Provide users with options to customize their preferences, such as setting notification thresholds or choosing display formats for the list.

IDEA DETAILS

SHOW STOPPERS

- keeps track of purchases made by **manual entry**, **scans barcodes** using a smartphone camera, and automatically retrieves product information from a database..
- **Integration with Receipts**: Users can upload photos or scan receipts from their grocery purchases. The app can then use **optical character recognition (OCR) technology** to extract relevant information from the receipts, such as item names, prices, and dates
- **Integration with Grocery Stores**: have partnerships or integrations with selected grocery stores or online platforms. Users can link their accounts, and the app automatically pulls in purchase history and details from these sources.
- direct access to information on items bought for better **inventory management**.
- Integrated feature to **donate soon-to-expire food items to charity**.
- Connects with shopkeepers to facilitate **quick sale of perishable items** at discounted rates.
- **recommends personalized recipes** based on available ingredients, dietary preferences, and user profiles, maximizing ingredient usage and minimizing food waste.

IDEA DETAILS

REVENUE STREAMS:

- **Subscription Model:** Users pay a recurring fee to access premium features such as exclusive recipes, cooking tutorials, or personalized meal plans. Encourages long-term user engagement.
- **Advertisement Revenue:** Displaying targeted advertisements from relevant advertisers within the app. Advertisers pay for impressions (views) or clicks on their ads.
- **Affiliate Marketing:** Earning commissions by promoting products or services through affiliate links within the app.
- **Data Monetization:** aggregating anonymized user data and insights, which can be sold to third parties such as food retailers, manufacturers, or advertisers.
- **Partnerships and Sponsorships:** collaborating with food-related businesses, meal kit services, or cooking influencers for sponsored content, brand partnerships, or co-branded promotions.




CHANNELS:


- **Mobile App Stores**
- **Website**
- **Social Media Platforms**
- **Partnerships:** Grocery stores, brands, influencers
- **Email Marketing:** Updates, recommendations
- **Referral Program:** Incentives, referrals
- **Customer Support:** In-app chat, email, FAQ

TECHNOLOGY STACK USED

- **Frontend** HTML5, CSS3, JavaScript (React.js)
- **Backend** Node.js, Express.js, MongoDB
- **Mobile Development** React Native
- **Integration (Grocery Websites)** RESTful APIs, Web scraping
- **Charity Integration** Charity organizations' APIs
- **Shopkeeper Integration** Real-time inventory management systems

PROTOTYPE





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YOUR CERTIFIED GUIDE TO MINDFUL NUTRITION
AS A WAY OF LIFE

FOOD AVENGER



DISCOVER SMART SOLUTIONS TO
MANAGE YOUR GROCERIES

SMART FRIGDE
INTEGRATION

The ideal choice if you want a personalized plan that is tailored to your goals and lifestyle.
[Learn more](#)

UP-TO-DATE EXPIRY
LIST

Explore wellness principles on your own schedule through a variety of online lessons.
[Learn more](#)

RECIPE
SUGGESTION

Begin your wellness journey with full access to our beginner-friendly live webinars and events.
[Learn more](#)

CHARITY
INTEGRATION

Begin your wellness journey with full access to our beginner-friendly live webinars and events.
[Learn more](#)

NUTRITION GUIDANCE



IMPROVING YOUR RELATIONSHIP WITH FOOD

TRY SOMETHING NEW

Begin exploring your relationship with food by trying any of my free recipes and meal plans. Healthy food should also be delicious.

[Explore seasonal recipes](#)

TARGET SPECIFIC ISSUES

If allergies, illness, or other aversions have complicated your relationship with food, a personalized plan might be right for you.

[Schedule a consultation](#)

SHOPKEEPER COLLABORATIONS



EMPOWERING COMMUNITIES, ONE PARTNERSHIP AT A TIME-WHERE LOCAL BUSINESSES THRIVE AND SHOPPERS SAVE!"

"Discover exclusive deals from local businesses through our Shopkeeper Collaboration feature. Support your community while saving on fresh produce and essentials. Together, let's make a difference in how we shop and support local!"

SHOP NOW

"FROM FOOD SCRAPS TO SUPERHERO SNAPS: JOIN THE FIGHT AGAINST WASTE WITH FOOD AVENGER!"



EFFICIENCY



SUSTAINABILITY



COMMUNITY



CHARITY

BE THE HERO AND SAVE YOUR PLANET SAVE FOOD!

Email Address

Sign Up