



FoodBridge

Connecting Surplus to Those in Need

UVICHacks X Inspire 2026

Meet the Team



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The Problem

46.5%
of food produced in Canada is wasted



Grocery stores discard edible food daily



Restaurants throw away surplus meals



Shelters struggle to find consistent supply



No efficient connection between donors & recipients

10 million Canadians face food insecurity while 21.1 million tonnes of food is wasted annually

Our Solution

FoodBridge connects surplus food from businesses/individuals to shelters that need it most



1. Donors List

Businesses & individuals post surplus food with photos, quantity & pickup details



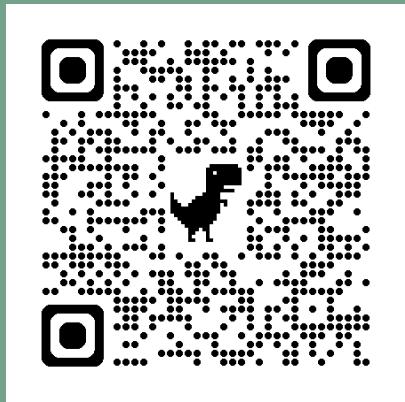
2. Smart Routing

Our system matches donations with nearby shelters & optimizes pickup routes



3. Shelters Serve

Kitchens receive fresh food, track inventory & get recipe suggestions



<https://eshu3104.github.io/uvichacks-jan26/>

Live Demo

Let's see FoodBridge in action

Donor registration & food listing • Shelter dashboard & inventory • Route optimization • Recipe suggestions

Current Solutions

Feature	Too Good To Go	Herluma Project	FoodBridge
Target Users	Consumers	Shelters	Donors, Shelters, and Soup Kitchens
B2B Donations	✗	✓	✓
Route Optimization	✗	✗	✓
Inventory Management	✗	Limited	✓ Full tracking
Recipe Suggestions	✗	✗	✓ Based on inventory
Clearance Deals	✗	✗	✓
Cost to Users	Paid	Free	Free

The Value We Bring

For Donors

- Easy food listing in minutes
- Tax deduction documentation
- Track donation impact
- Zero cost to participate

For Shelters

- Reliable food supply
- Smart inventory management
- Optimized pickup routes
- Recipe suggestions to reduce waste

For Communities

- Reduced food waste
- More meals for those in need
- Lower environmental impact
- Stronger local connections

How Our Code Works

Current Stack (Hackathon)

Production Stack (Future)

Frontend	React + TypeScript + Vite Component-based UI with type safety	Backend	Flask/FastAPI + Python RESTful API, business logic
Styling	Tailwind CSS Utility-first CSS, custom theme	Database	PostgreSQL + SQLAlchemy Persistent data storage
State	React useState/Context Client-side state management	Maps	Google Maps API Routing & distance calculation
Routing	State-based navigation View switching via callbacks	Auth	JWT + OAuth Secure user authentication
Data	Mock JSON data Static data for demo purposes	Deploy	Docker + Cloud Containerized deployment

Architecture: Component-based React → State flows via props → Event handlers trigger view changes → Data from context/API

Next Steps

Phase 1	Phase 2	Phase 3	Launch
Month 1-2	Month 3-4	Month 5-6	Month 7+
<ul style="list-style-type: none">Backend API developmentDatabase setupUser authentication	<ul style="list-style-type: none">Google Maps integrationReal route optimizationMobile responsive polish	<ul style="list-style-type: none">Partner with local businessesPilot with 5 sheltersGather feedback & iterate	<ul style="list-style-type: none">Public launch in VictoriaExpand to other citiesAdd grocery store partnerships

Our Vision: A Canada where no edible food goes to waste while people go hungry

Thank You!

Questions?

github.com/eshu3104/uvichacks-jan26

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