

# India

# Gateway

# Program



TEAM:

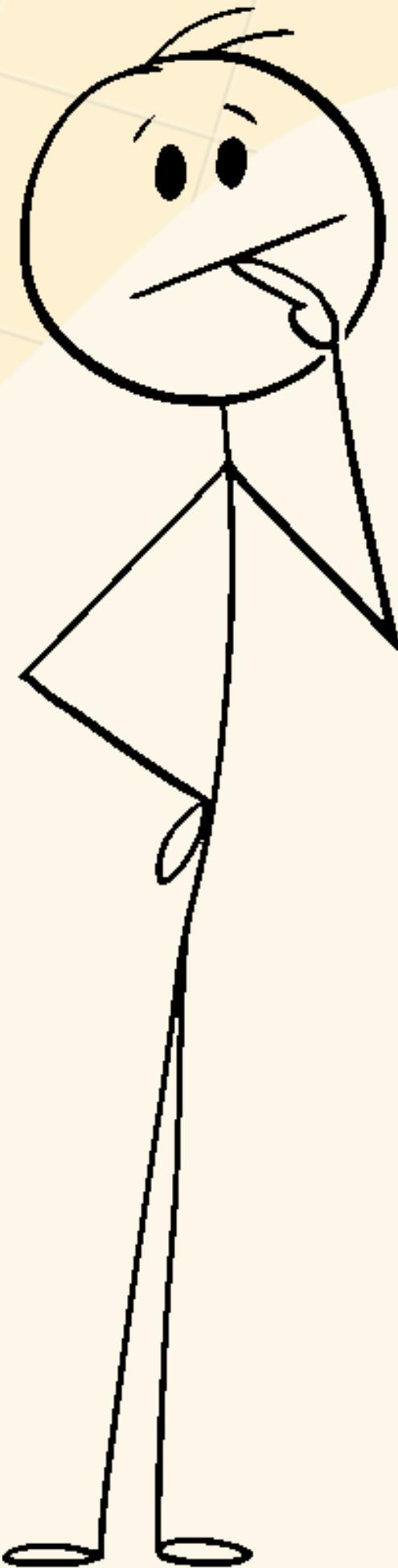
SAMBHAV JAIN

MICHELLE HEPP

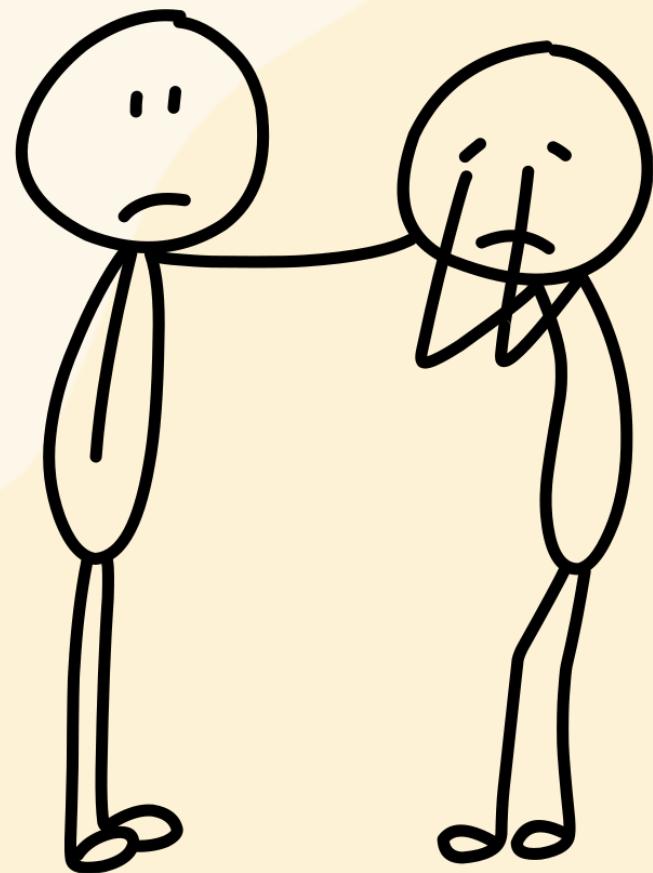
ISAR KAUR

ANURAG

LUKAS



# what was The Problem ?



# The Problem

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**food waste**



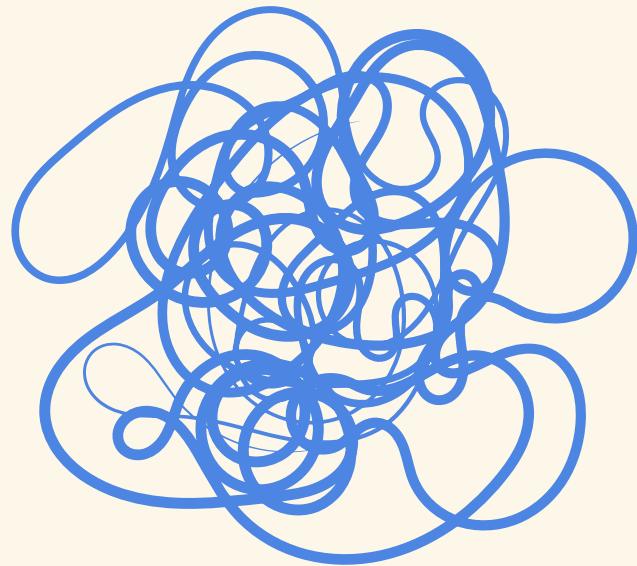
resource loss & harmful emissions

**828 million people**



foodbanks struggle

**Lack of Systems**



no convenient way to donate or coordinate deliveries

**Gap**



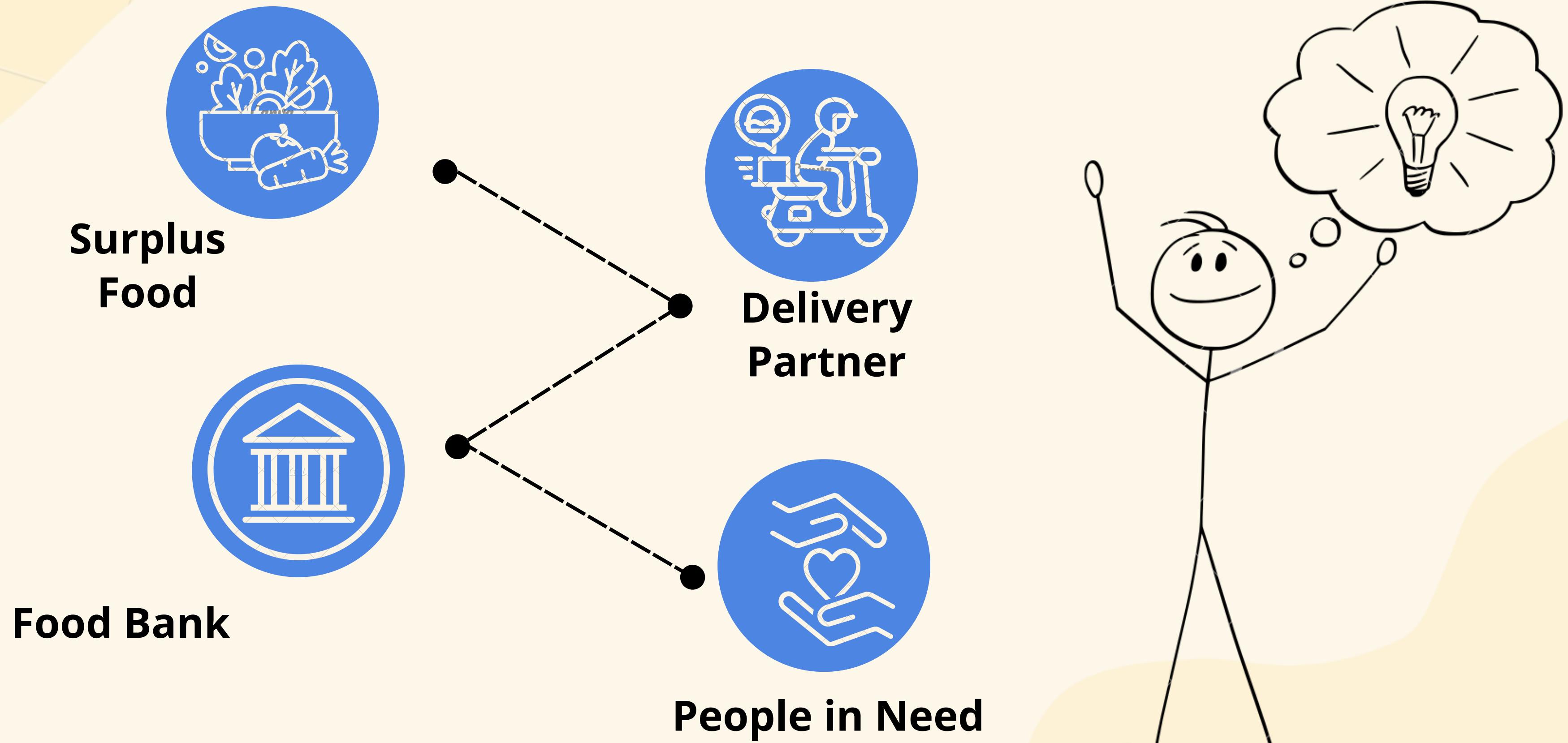
between food surplus and those in need

# **LINK** **food**

**~ connecting Surplus  
to Sustenance**



# The Solution - FOODLINK



# Sustainable Development Goals (SDGs) targeted



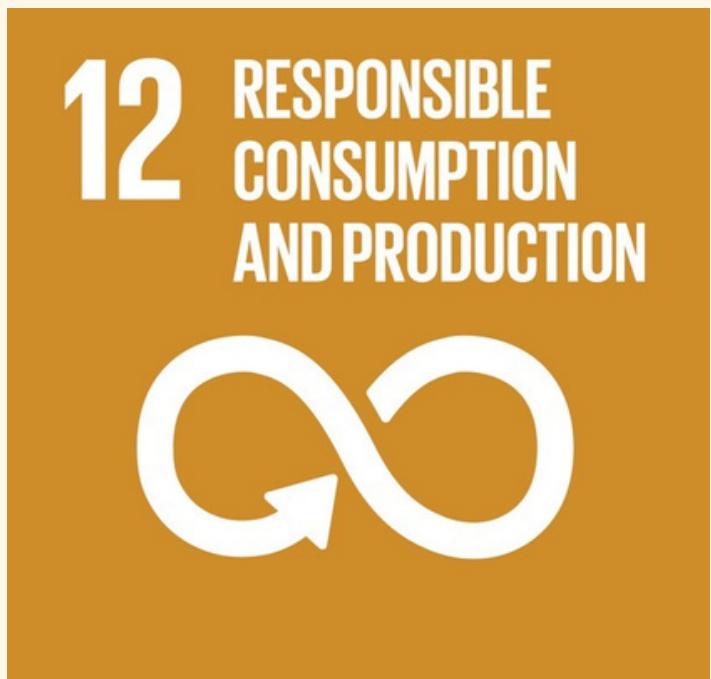
## Zero Hunger

Facilitates food redistribution to reduce hunger and ensure food security



## Climate Action

Helps lower greenhouse gas emissions by reducing food decomposition in landfills.



## Responsible Consumption and Production

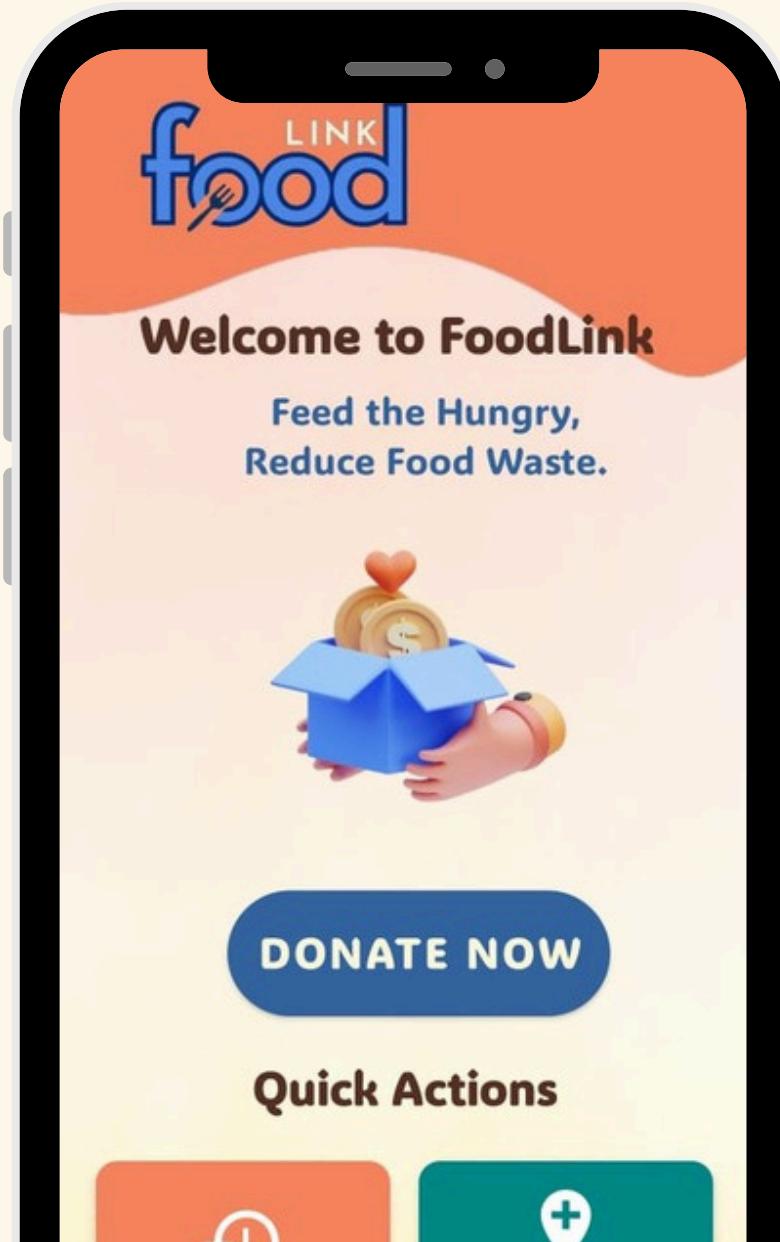
Promotes efficient use of resources and minimizes food waste.



## Partnerships for the Goals

Builds strong collaborations between individuals, delivery networks and food banks for sustainable impact.

# App's Key Features



Home

Donate  
now

Donation  
History

profile

chatbot



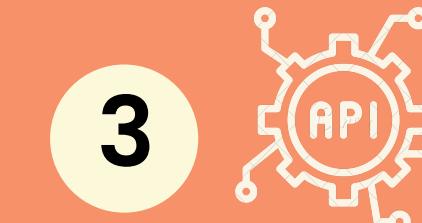
User and delivery  
partner registration



real time database--  
firebase



Auto picking up  
location



All map API's are open  
source



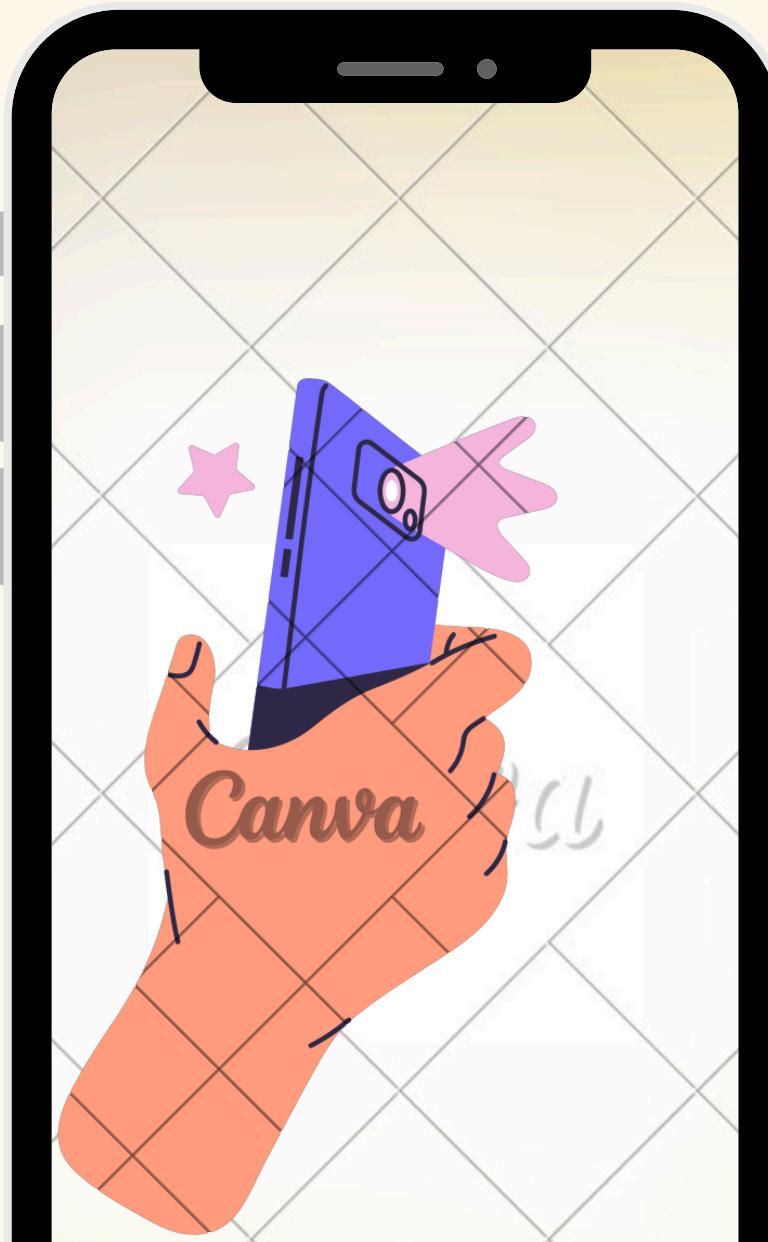
Change password



Nearest food bank  
auto detection



# App's Additional Feature

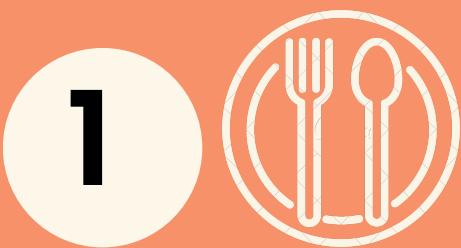


Home

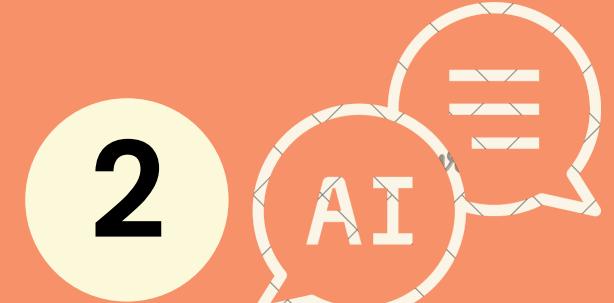
Donate  
now

Donation  
History

profile chatbot



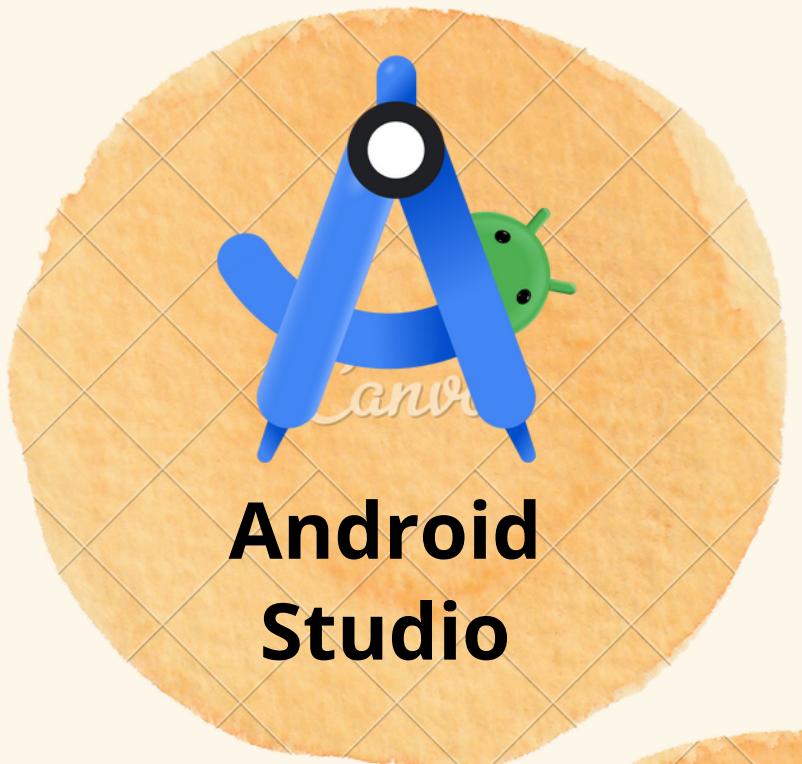
Food detection AR  
with mediapipe



Ai chat bot



# tools used



**Android  
Studio**

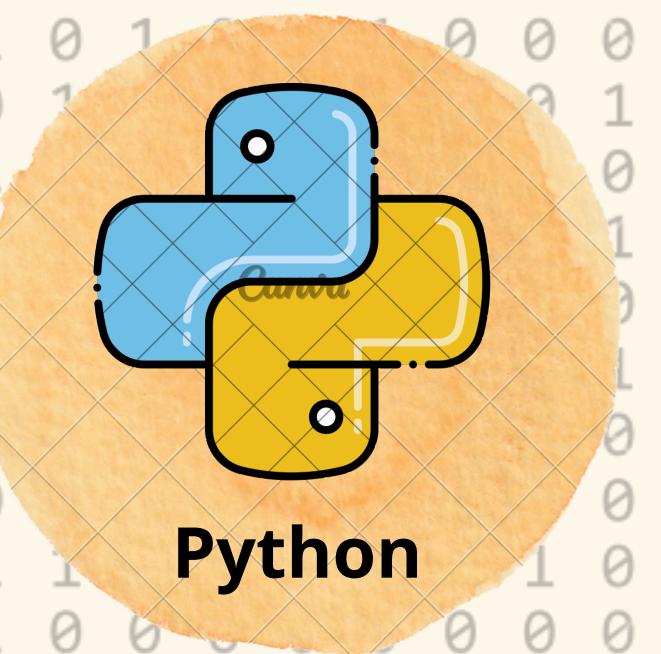


**UNITY**

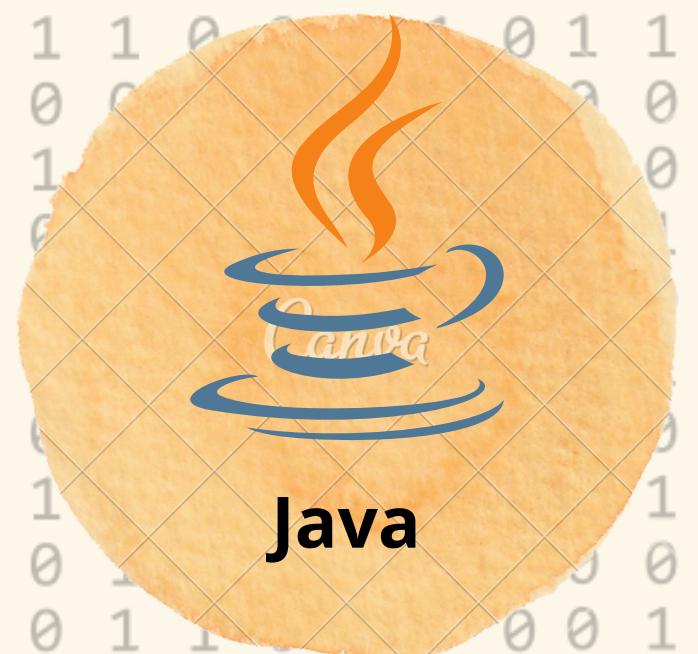


**Firebase**

# languages Used



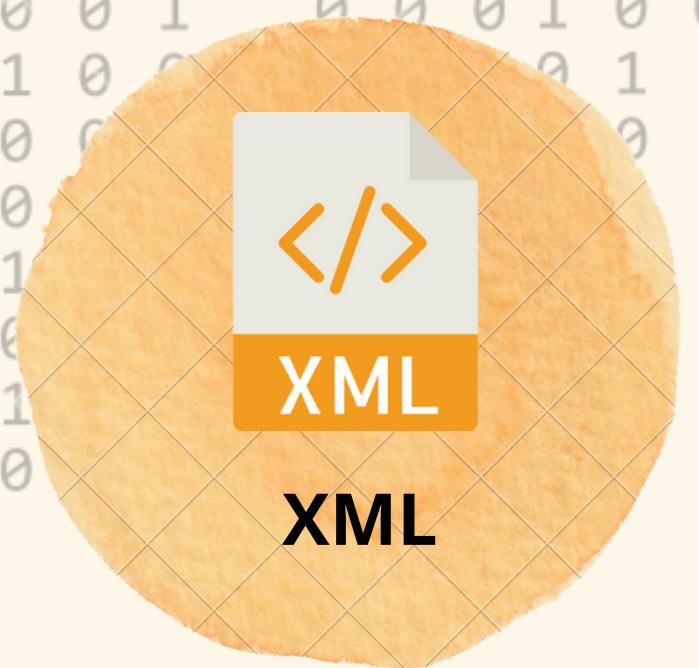
**Python**



**Java**



**Kotlin**

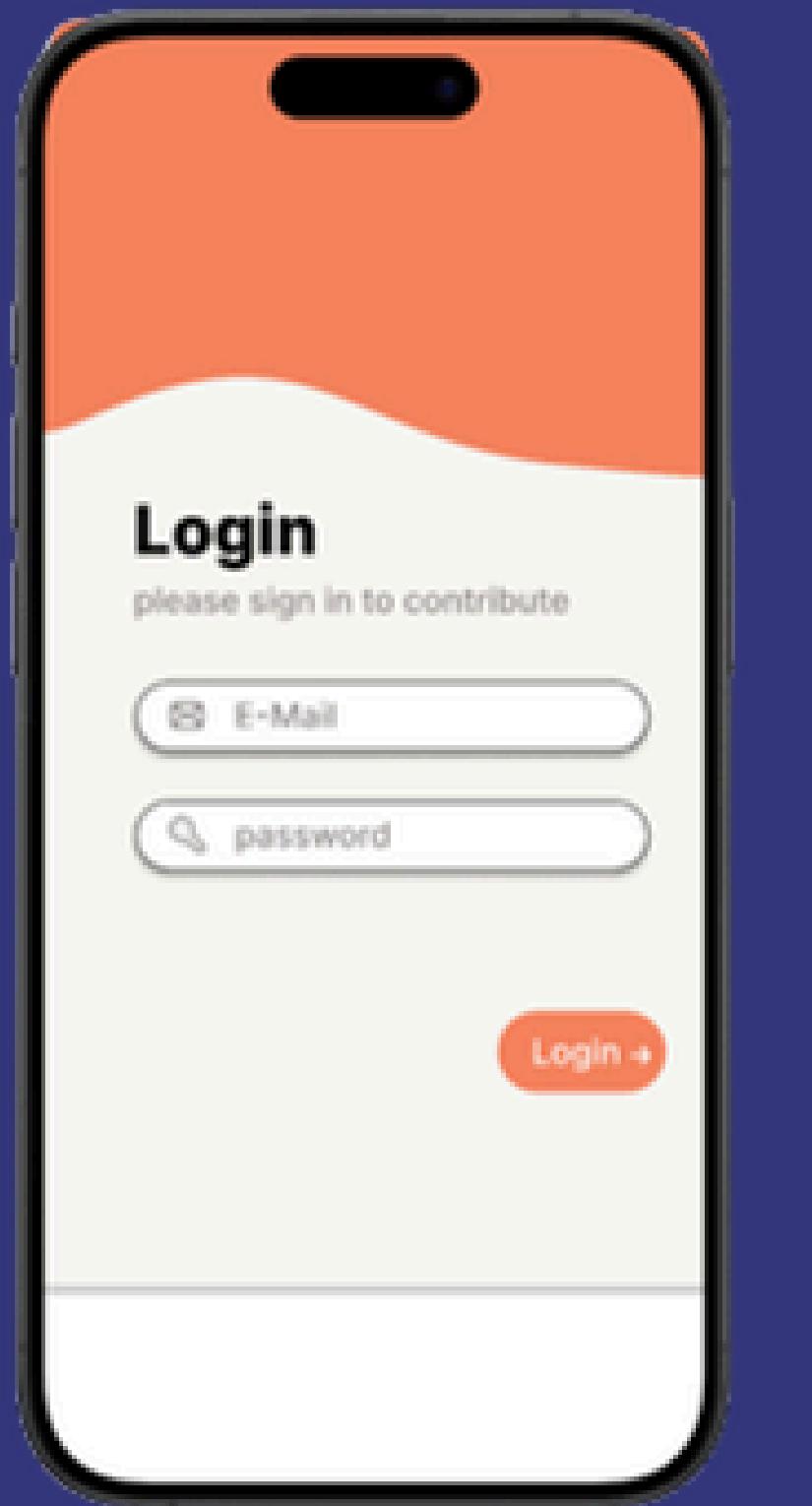


**XML**

# From wireframe to...

Login	Registration	Profile	Donation
<p><b>Foodlink</b></p> <p><b>Login</b> Please sign in to contribute</p> <p>E-Mail <input type="text"/></p> <p>Password <input type="password"/></p> <p><b>Login →</b></p> <p>Don't have an account? <a href="#">sign up</a></p>	<p><b>Welcome To Foodlink!</b> Create your account.</p> <p>Name : <input type="text"/></p> <p>username : <input type="text"/></p> <p>E Mail : <input type="text"/></p> <p>Password : <input type="password"/></p> <p>confirm Password : <input type="password"/></p> <p><input type="checkbox"/> I accept the Terms and conditions</p> <p><b>sign up →</b></p>	<p></p> <p>score : 300 Donations: 20</p> <p>Name : Wilma Username: Wilmacluster01 password: Password 123</p> <p>street nr: 100 city: Bangalore state: Karnataka PIN code: 560038</p>	<p><b>Let's donate!</b> upload a picture of your food</p> <p></p> <p>Name <input type="text"/></p> <p><input type="checkbox"/> Vegan <input checked="" type="checkbox"/> Vegetarian <input type="checkbox"/> non vegetarian</p> <p>Servings per person: 1</p> <p>Where can we pick it up?</p> <p>street nr <input type="text"/></p> <p>city <input type="text"/></p> <p>state <input type="text"/></p> <p>PIN code <input type="text"/></p> <p>Phone number <input type="text"/></p> <p>comment <input type="text"/></p>
<p><b>Final Donation</b></p> <p>Your Donation :</p> <p></p> <p>Banana , Vegetarian, Servings:1</p> <p>Where we pick it up :</p> <p>street nr : <input type="text"/></p> <p>city : <input type="text"/></p> <p>state : <input type="text"/></p> <p>PIN code : <input type="text"/></p> <p>Phone number: <input type="text"/></p> <p>comment : <input type="text"/></p>			

# ... Mockups

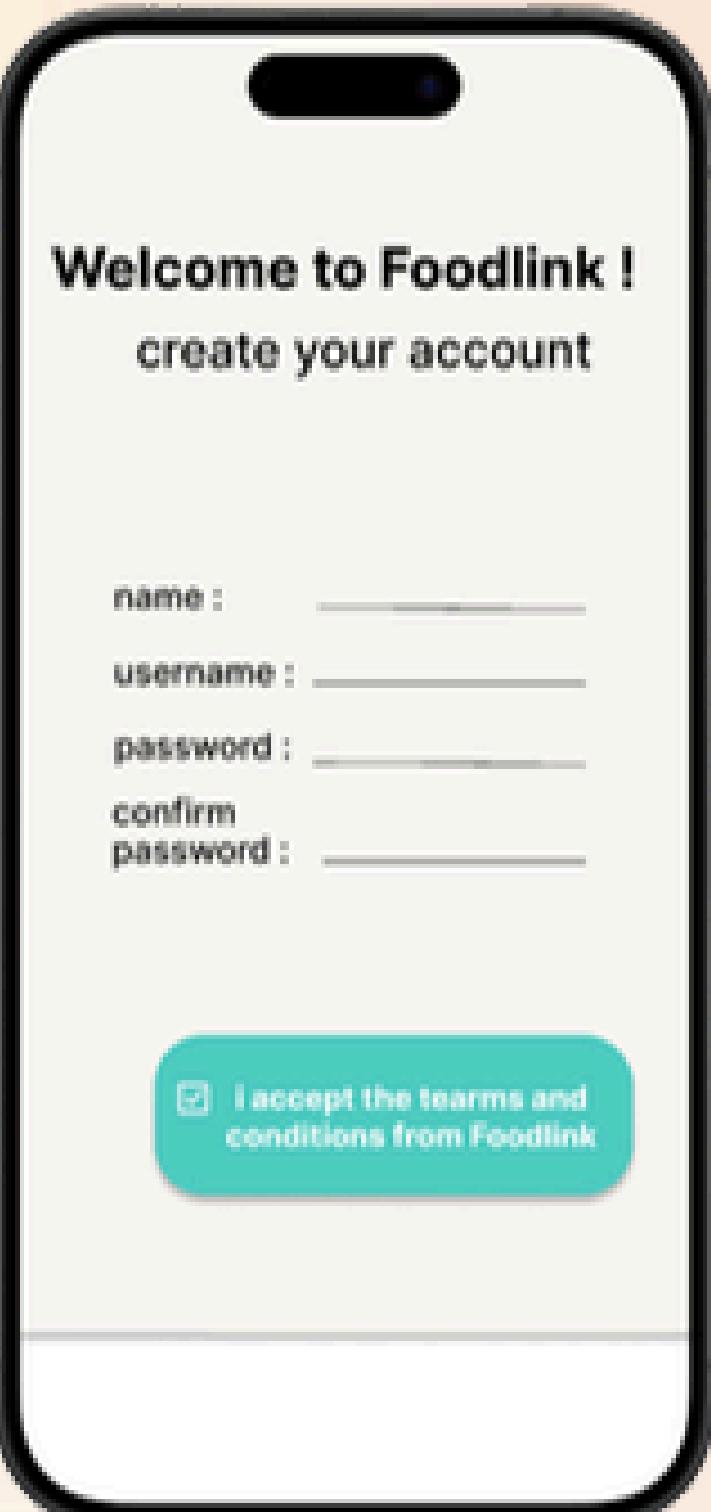


**Login**  
please sign in to contribute

E-Mail

password

**Login ↗**



Welcome to Foodlink !  
create your account

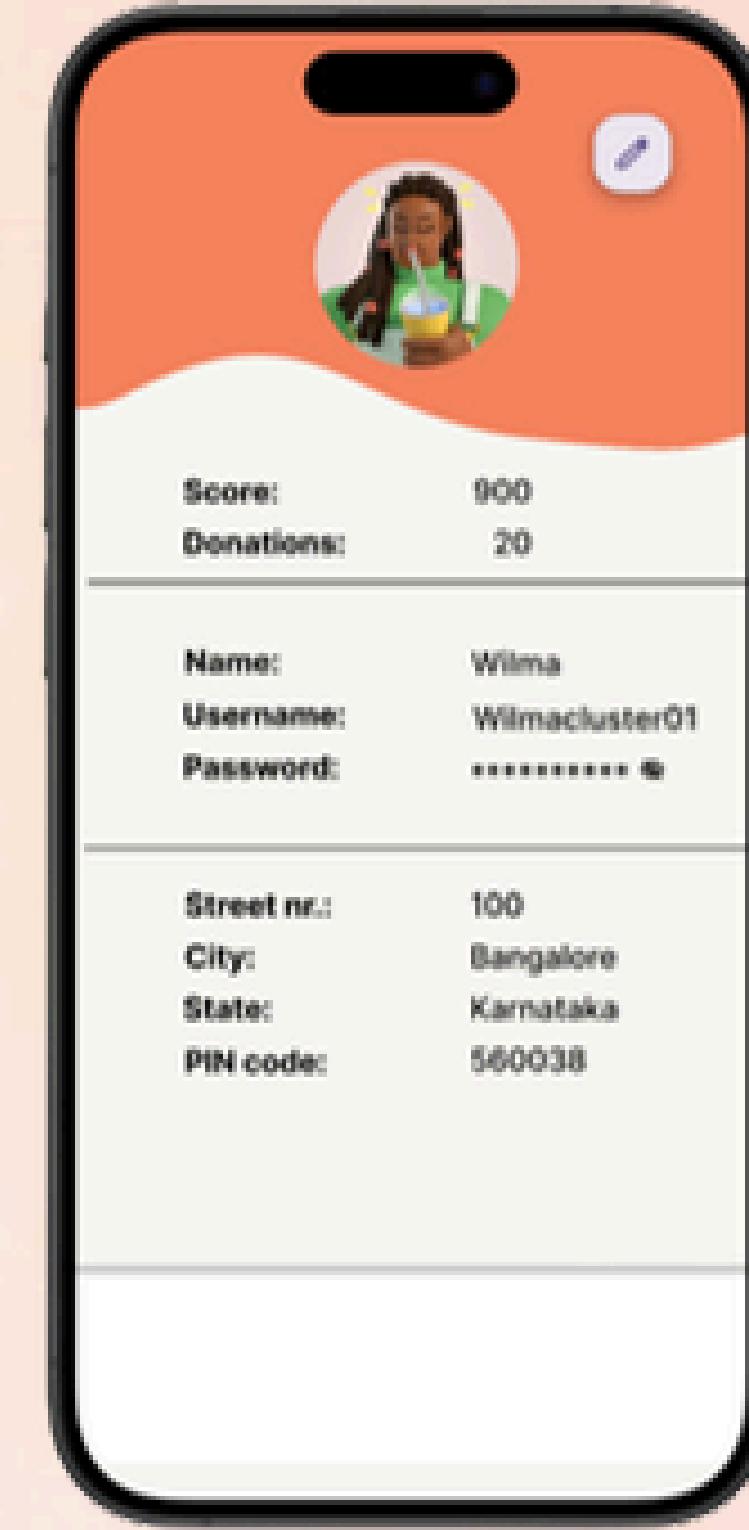
name : \_\_\_\_\_

username : \_\_\_\_\_

password : \_\_\_\_\_

confirm password : \_\_\_\_\_

I accept the terms and conditions from Foodlink



Score: 900  
Donations: 20

Name: Wilma  
Username: Wilmacluster01  
Password: \*\*\*\*\*

Street nr.: 100  
City: Bangalore  
State: Karnataka  
PIN code: 560038



Let's donate !

upload a picture of your food

Food:

vegan  vegetarian  non vegetarian

where can we pick it up ?

Street nr.: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

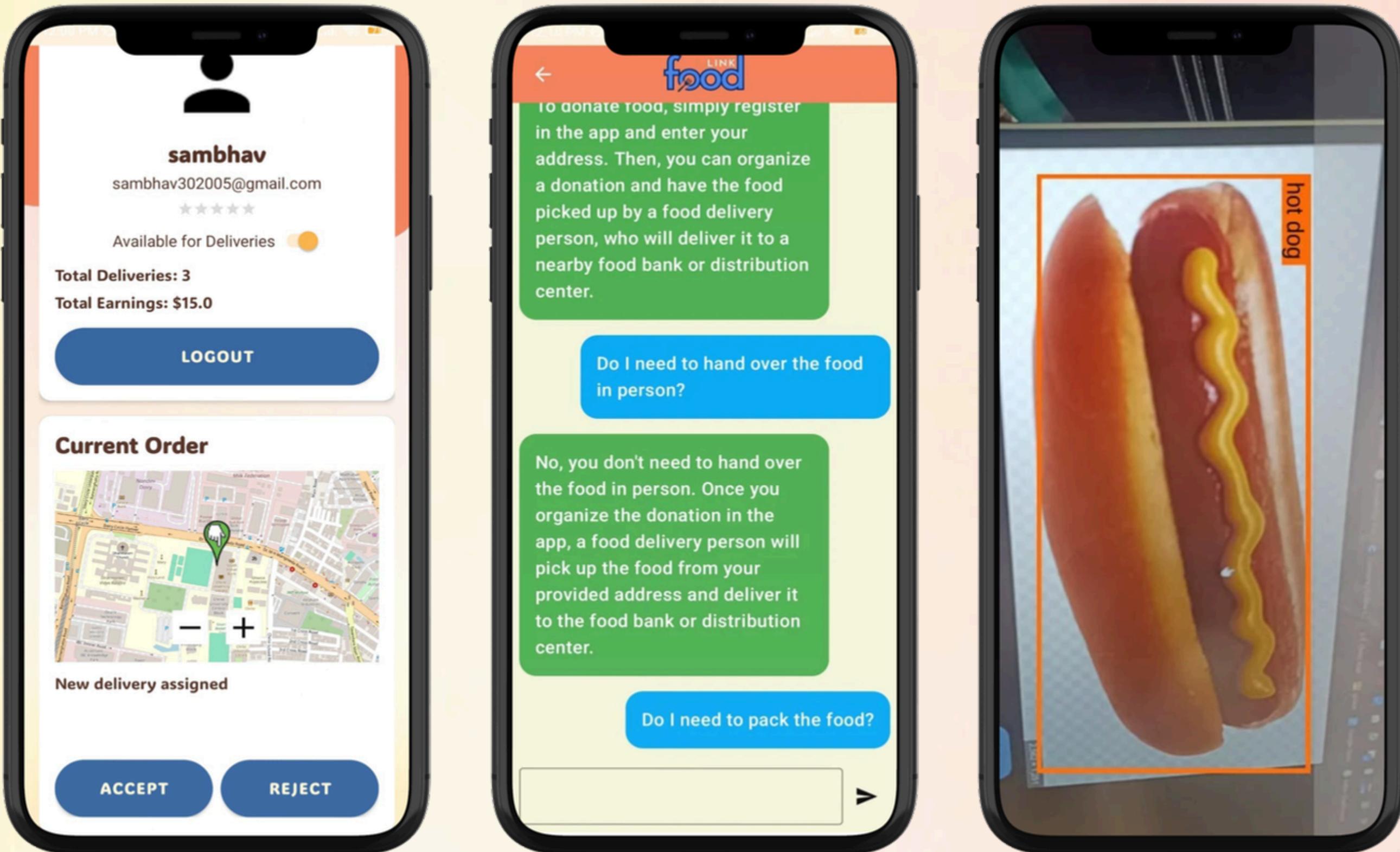
PIN code: \_\_\_\_\_

Do you have a comment?



**LOGO  
CREATION**

# Implementation in android studio





# **Live Demonstration**



## KEY LEARNINGS



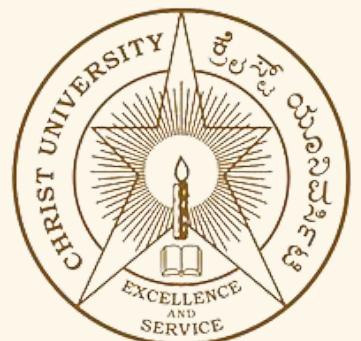
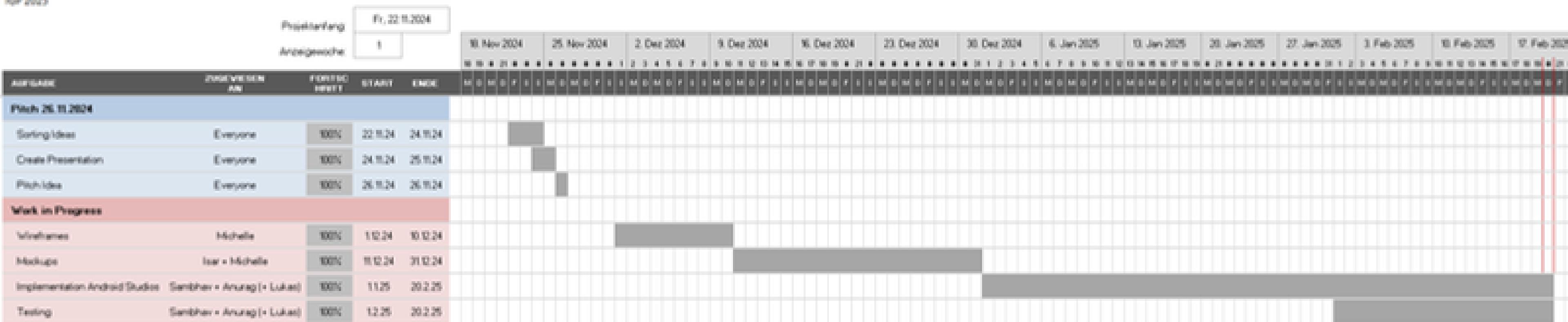
- Trust and Relationship Building Matter
- Different Work Styles Require Flexibility
- Communication Styles Differ but Can Be Bridged
- Cultural Perspectives Shape Sustainability Solutions
- Creating a Plan and working according to it is indispensable

Canva

# Milestones

FoodLink

HP 2025

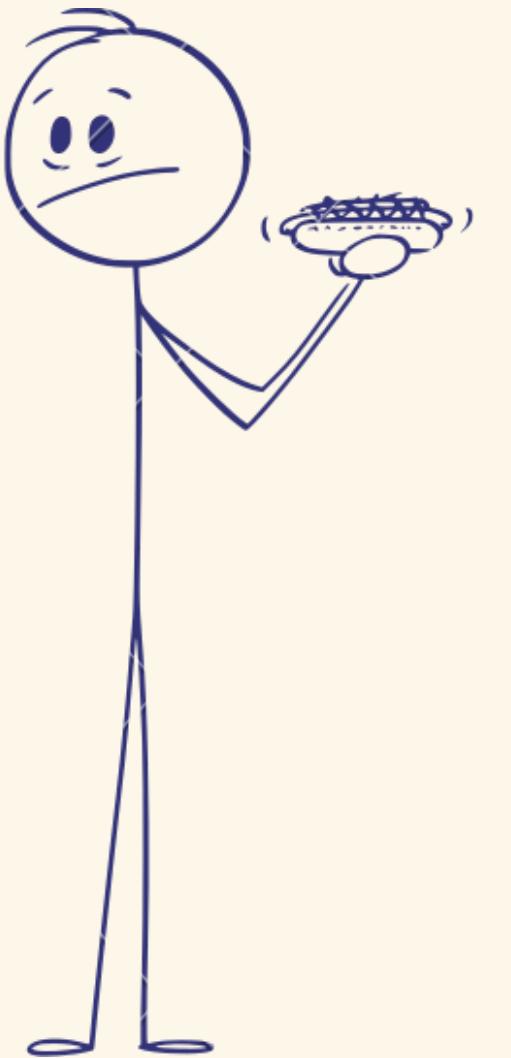


**CHRIST**  
UNIVERSITY  
BENGALURU, INDIA

Declared as Deemed to be University under Section 3 of UGC Act 1956



thws



**Every second, tons of food are wasted while millions suffer from hunger.**

**We're here to change that —**  
**efficiently, digitally, smartly, and**  
**sustainably**

# Finance



**advertisement**

**donations**

**government  
fundings**

**corporate  
partnership**

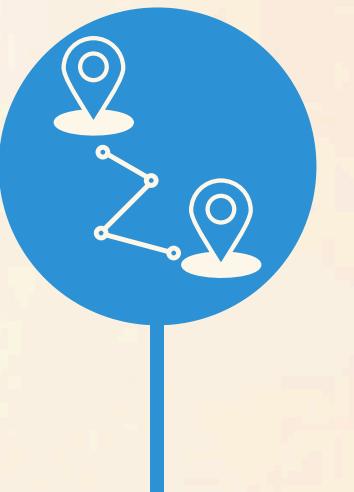


# THE FUTURE

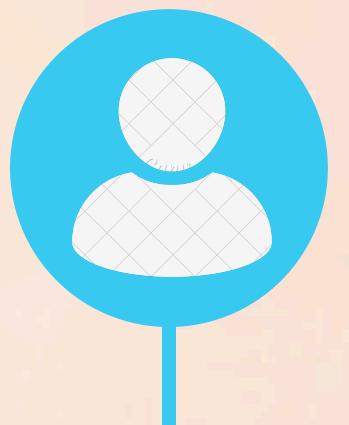
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**Scaling by using  
more and more food  
banks in other  
locations**



**Building Key Partners  
and implementing the  
feature in the  
application of food  
delivery apps**



**Route  
optimization to  
efficiently  
distributing the  
food**



**Expanding  
outside of India  
and developing  
new markets**





any  
questions?



Thank  
You



## Sources

- 2022 Global Hunger Index: <https://www.globalhungerindex.org/pdf/en/2022.pdf>
- ChatGPT for Location Data: <https://chatgpt.com/>
- Food Waste Facts and Problems: <https://earth.org/how-does-food-waste-affect-the-environment/>
- Google Gemini API Chatbot: <https://ai.google.dev/>