

# FoodLoop

Food waste reducing app

Created by – Team devRaven

## Team Members

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# Introduction

FoodLoop aims to reduce food wastage by connecting donors with charities and NGOs, ensuring excess food reaches those in need.

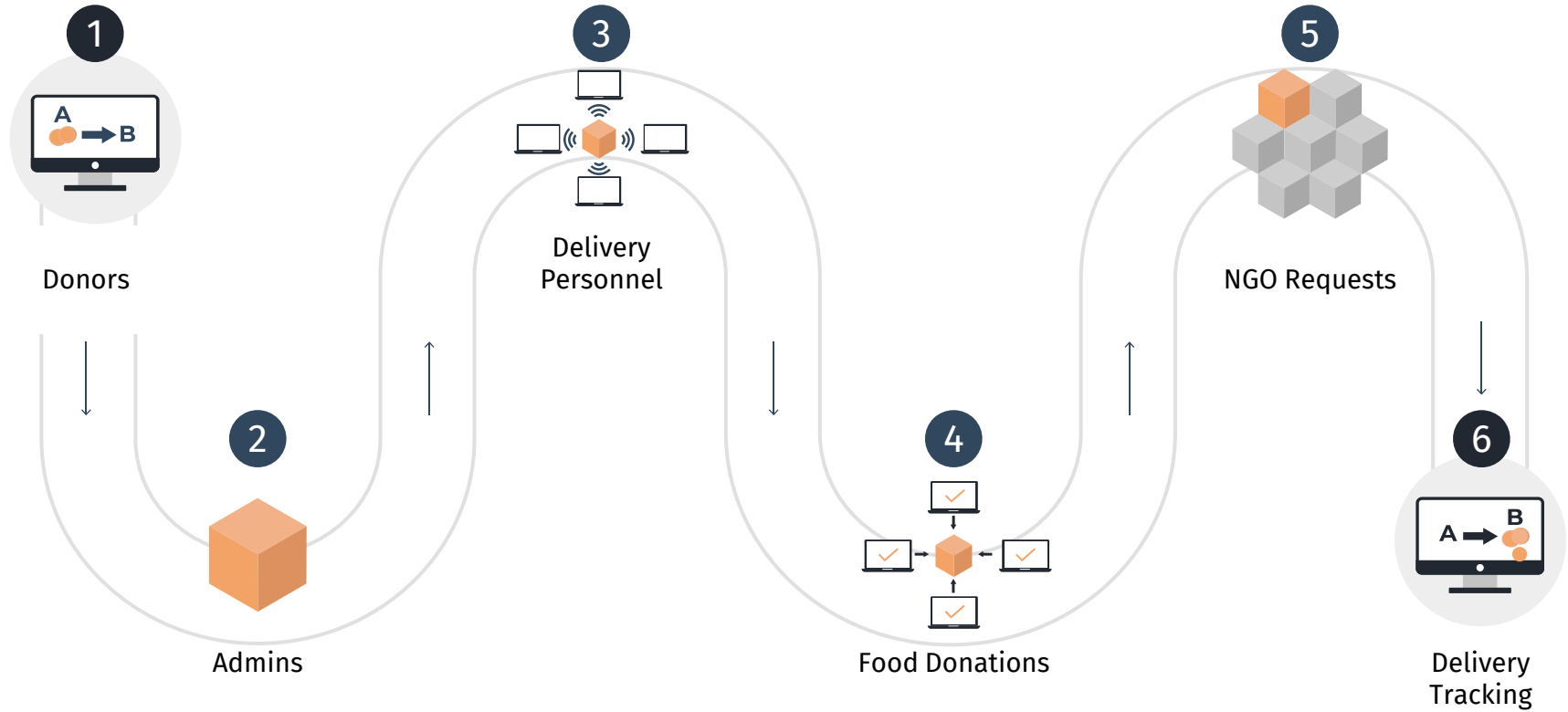
By streamlining donations, requests, and deliveries, we aim to make food redistribution efficient and impactful



FoodLoop bridges the gap between surplus food and those in need, creating a sustainable ecosystem.

Every year, millions of tons of food are wasted while millions go hungry. Our solution aims to bridge this gap.

# System Architecture



# Technology Stack



## Frontend

HTML, CSS,  
JavaScript



## Backend

Java, Servlets, JSP,  
JDBC



## Database

MySQL



## Server

Apache Tomcat



## Other Technologies

Maven (For  
Dependency  
management)

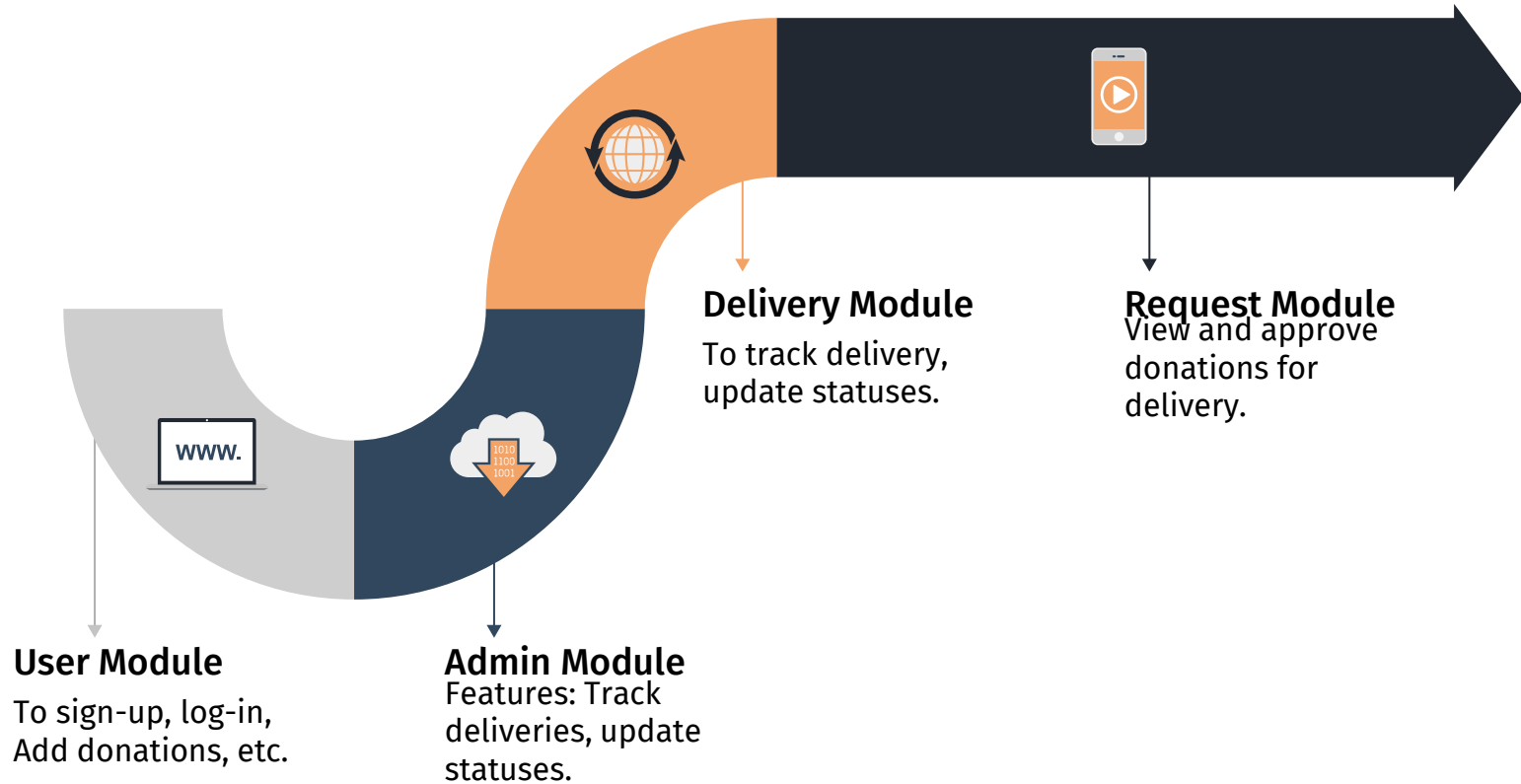


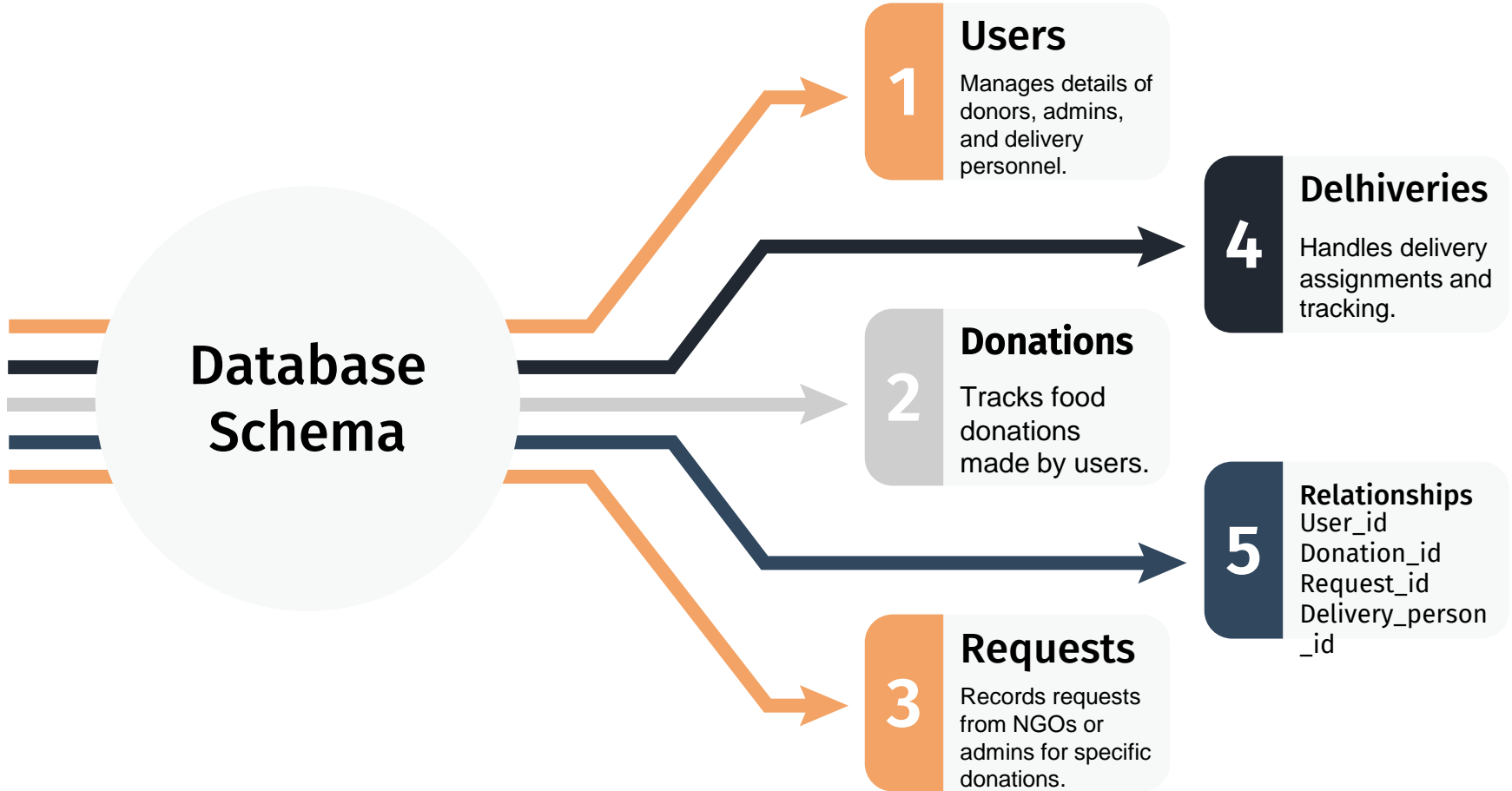
## Platform

Cross independent  
platform

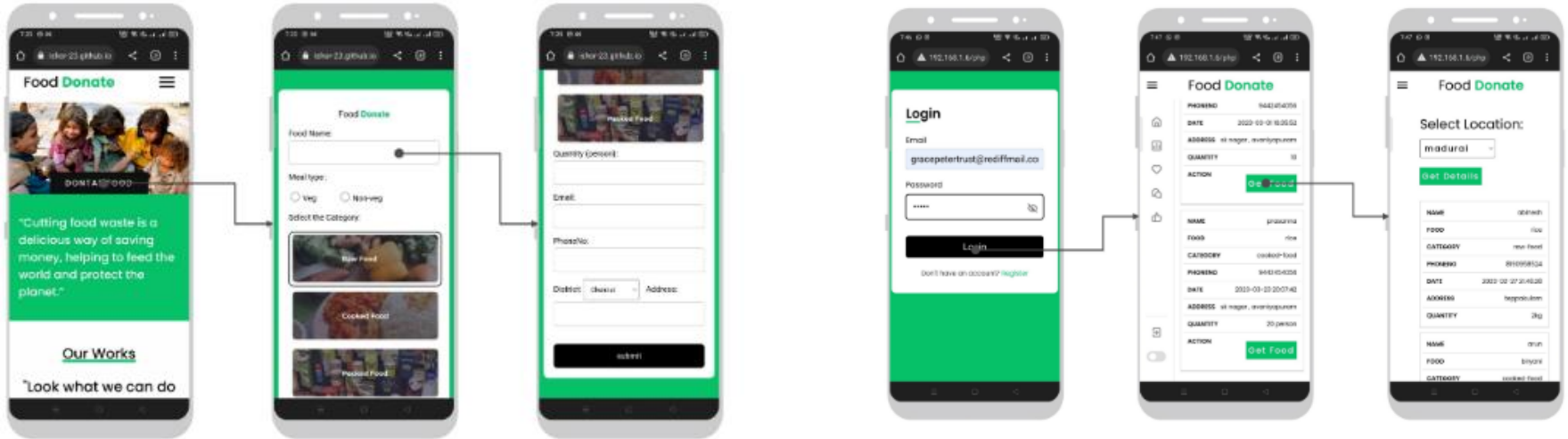


# Project Modules





# Demo Screenshot



The Admin receives information about the food donation from the User module and lists it for NGOs and charities to choose from.

# Key Features



## Efficient Donation Management

Managing food donations seamlessly

## Real time tracking

Monitor the progress of food delivery.

## NGO Integration

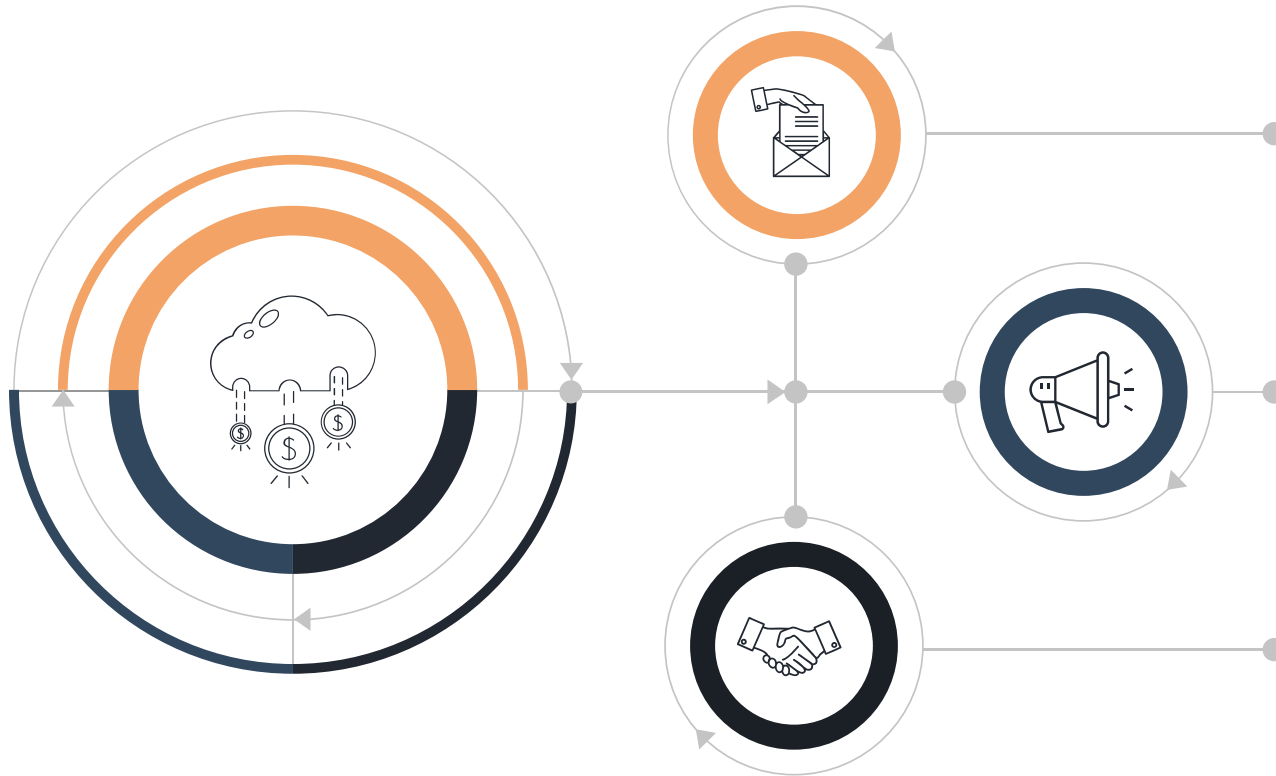
NGOs can track food availability and request it easily.

## User Friendly

Simple UI for donors, admins, and delivery personnel.



# Future Enhancement



## **Mobile App Integration**

Create a mobile app  
to expand the  
reach.

## **Real time notifications**

Pust notifications  
on new requests

## **AI Integration**

Use AI to predict  
food wastage.

# Conclusion

## **Project Summary:**

FoodLoop addresses the critical issue of food waste by connecting donors, NGOs, and delivery personnel through an efficient and streamlined system.

## **Key Features:**

- Seamless management of food donations and requests.
- Real-time tracking of delivery statuses.
- Role-based access for users, admins, and delivery personnel.

## **Impact:**

By simplifying the process of food redistribution, FoodLoop aims to minimize food waste and ensure surplus food reaches those in need, fostering a positive societal and environmental impact.

# THANK YOU