

Food Oasis

By: Donald Weaver
Marcus Anderson
Stuart Idehen
Lord Wiafe





Purpose

Connect users and fresh food suppliers via an android app and GPS location

Client

- Find fresh local food
- No need to create an account or give an information

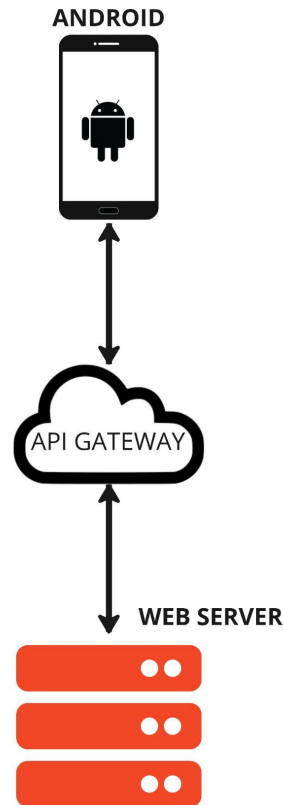
Suppliers

- Eliminate food waste
- Help the community



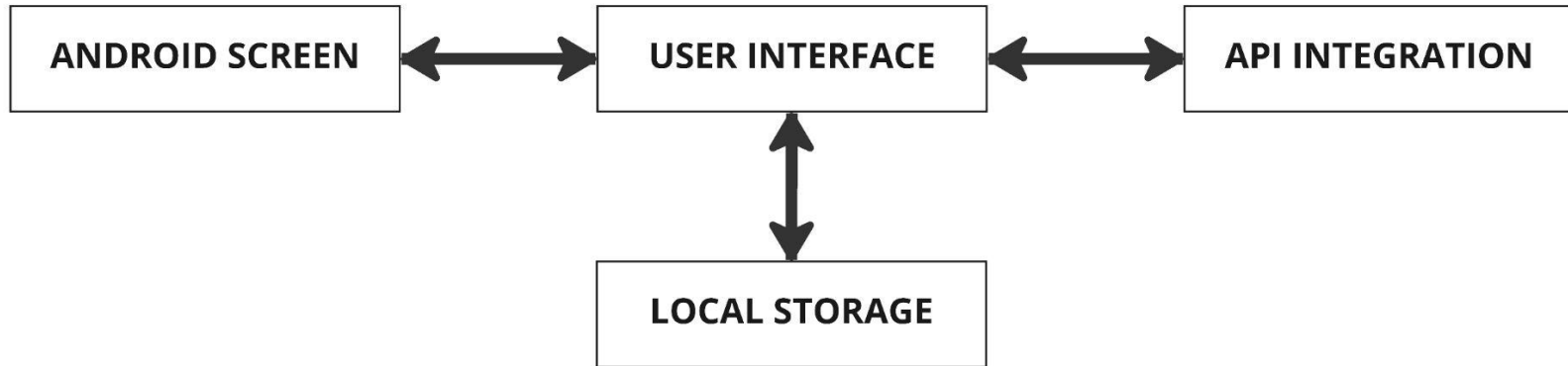
Client Server Architecture

- Team divided: front-end, back-end
- **Client server architecture** best represents the team division
- **Client server architecture** lightly coupled thus highly maintainable and scalable

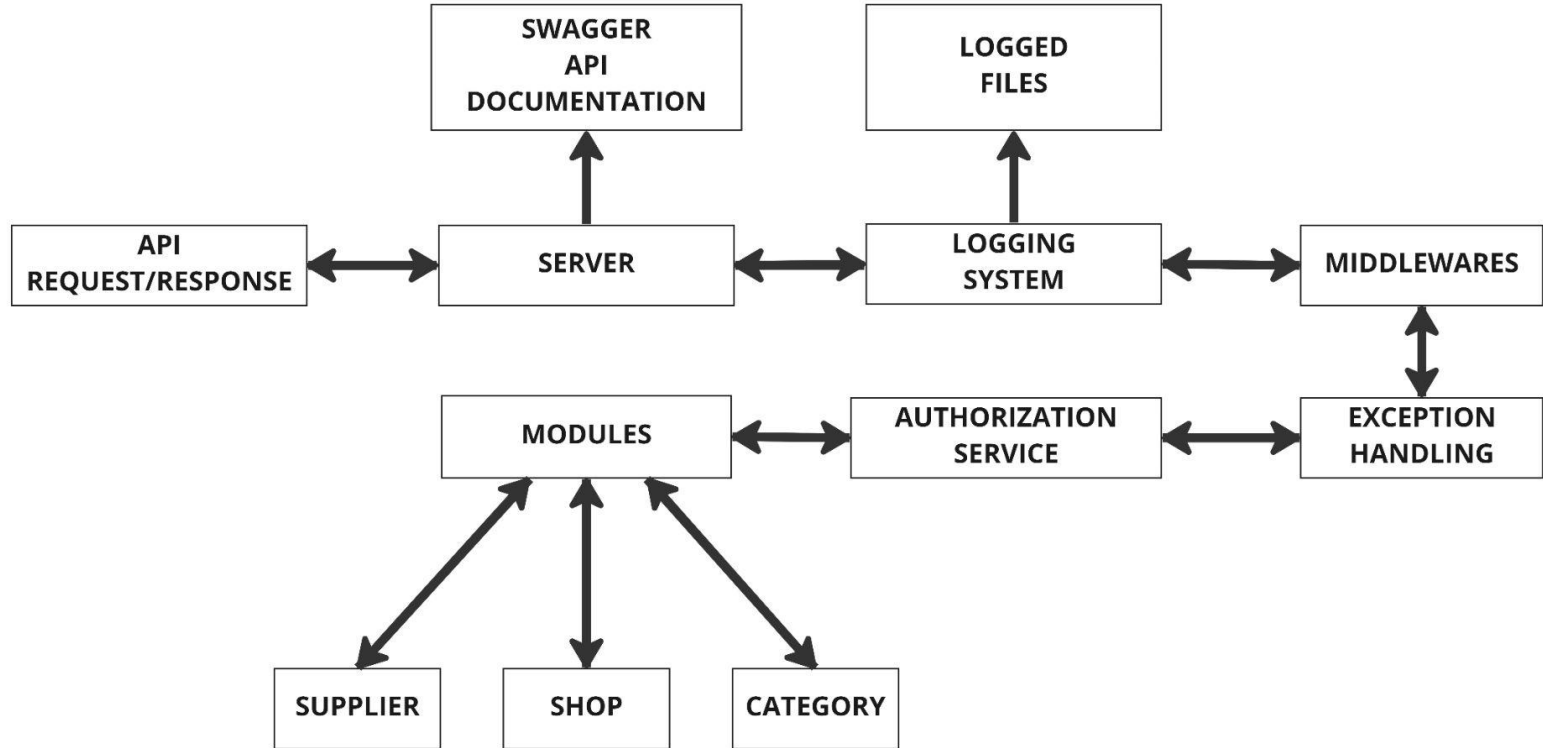




Client Side

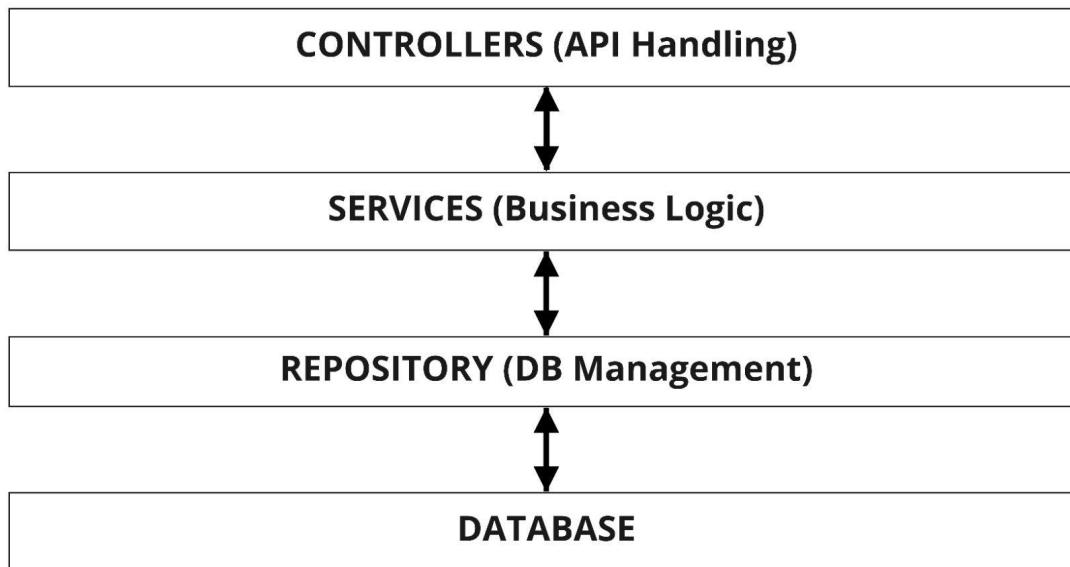


Server Side





Server Side





Coding Languages

Back-end

<i>Java</i>	<i>NodeJS (TS)</i>
Difficult to set up	Easy to set up
OOP	OOP (TS)
Slow response time	Fast response time

<i>PostgreSQL</i>	<i>MySQL</i>	<i>Mongo</i>
Free hosting	Not free	Not free
Structured DB	Structured DB	Non-structured DB

Front End

<i>Kotlin (Java)</i>	<i>React Native (JS)</i>
Slower performance	Faster performance
Program faster	Program Slower
Fits better with our skill set	Doesn't fit as well with our skill set

Client Storyboard

Title

Client Location

Source Search

Food Source

Epic

Client Current Location

Test Launch

To do

Find Source

Engine

Test Launch

To do

Shop Directions

View Source

Efficiency

To do

MVP | 10

Automatic GPS Detection

Menu

Critical

Engine

Mission Profile

Performance

Test Launch

To do

Search Source by Address

Menu

Efficiency

Engine

Performance

To do

Get Directions

Menu

Critical

Engine

Mission Profile

Performance

To do

View Contact Info

Menu

Efficiency

To do

Current Location by Address

Menu

Efficiency

Engine

Performance

To do

Search Source by GPS

Menu

Critical

Engine

Mission Profile

Performance

Test Launch

To do

Real time Direction

Menu

Critical

Engine

Mission Profile

Performance

Test Launch

To do

View Location

Menu

Efficiency

To do

View Food Category

Menu

Efficiency

To do

+

+

+

+

Version 2 | 1

+

+

Direction Time Tracker

Menu

Efficiency

Performance

To do

+

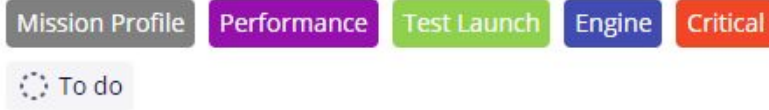
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Client Story Card

Title

Automatic GPS Detection

Tags



User Story

B *I* U ~~S~~

As a client looking for shop close to my current location,

I want my location to be detected automatically

So that I don't worry about typing it.

Acceptance Criteria

- *Detect GPS location of android device in real time*

Non-functional Requirement

- *Should take less than 3 seconds after user enables GPS location.*

Supplier Storyboard

Title

Source Management

Epic

Adding Source

Critical Engine Test Launch To do

Food Category

Engine Mission Profile Test Launch

To do

Update Source

Efficiency Engine To do

Delete Source

To do

View Sources

Critical Mission Profile To do

Stories

MVP | 8

Create Source

Engine Test Launch To do

Add GPS location

Critical Mission Profile Test Launch

To do

Source Creator Access

Critical Engine Test Launch

To do

Choose Food Category

Engine Mission Profile Test Launch

To do

Create Food Category

Critical Mission Profile Test Launch

To do

Edit Source Info

Efficiency Engine To do

View Owned Sources

Efficiency Engine To do

View All Sources

Engine To do

Version 2 | 2

Add Shop Branches


Efficiency To do

Remove Shop




Efficiency

Supplier User Story Card

Title → **Add GPS location**

Tags → **Mission Profile** **Test Launch** **Critical**  To do

User Story →

B **I** **U** **S**   

***As a** food supplier with his food shop on the app,*

***I want to** add the GPS location of my shop to the app*

***So that** my clients living close by can detect my shop.*

Acceptance Criteria

- *GPS may be gotten from current location*
- *GPS may be gotten from typed in shop address.*



References

1. [React Native vs. Kotlin: The Apt Choice For Multi-Platform App Development](#)
2. [Java Vs Node.JS for Backend APIs – Developer's Comparison](#)
3. [Node.js vs Java: Choosing Perfect Technology for Your Backend](#)
4. [Supplier User Storyboard](#)
5. [Client User Storyboard](#)