Food Oasis

Donald Weaver
Lord Wiafe
Stuart Idehen
Marcus Anderson

Sub-systems
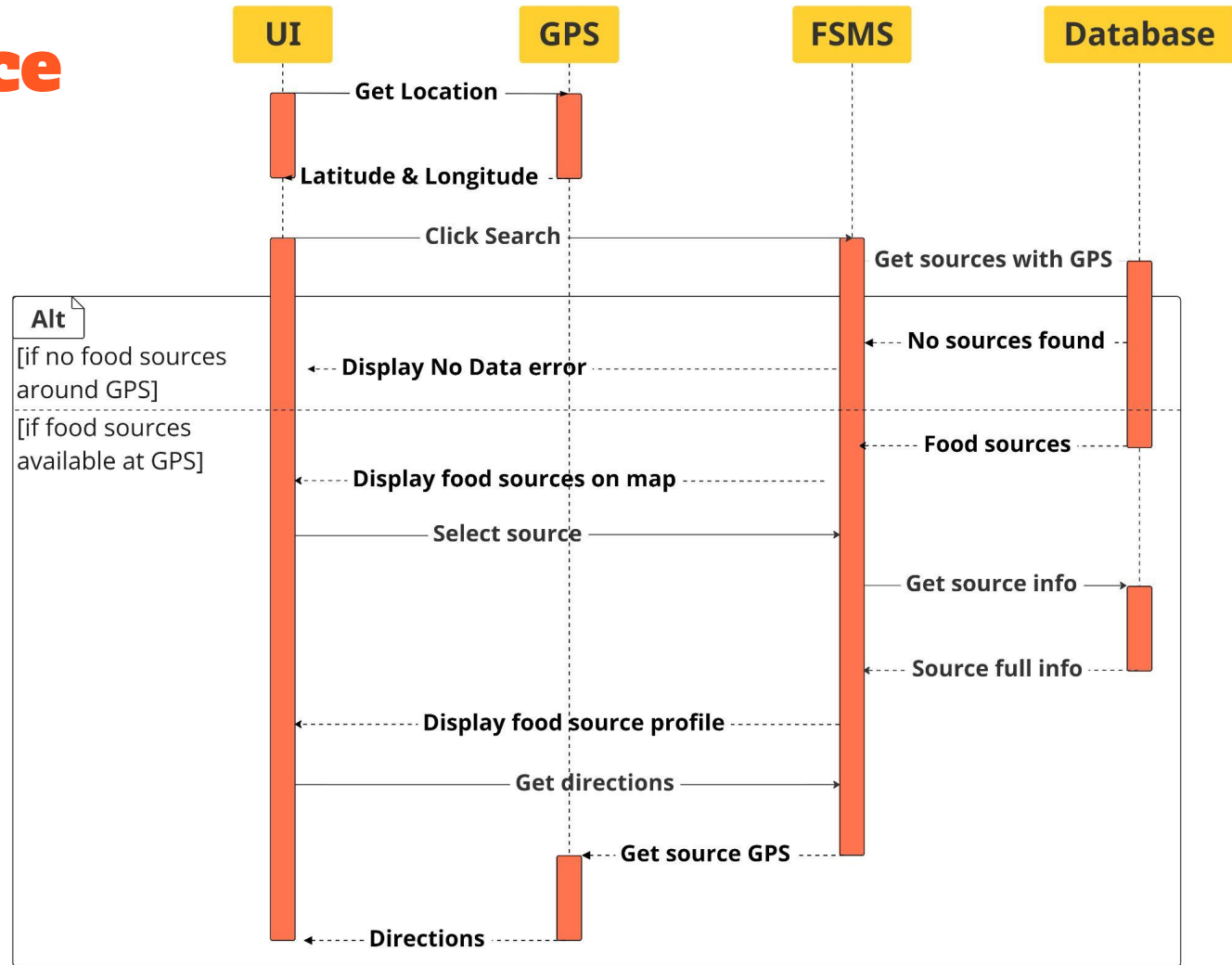
User Interface (UI)

Food Source Management System (FSMS)

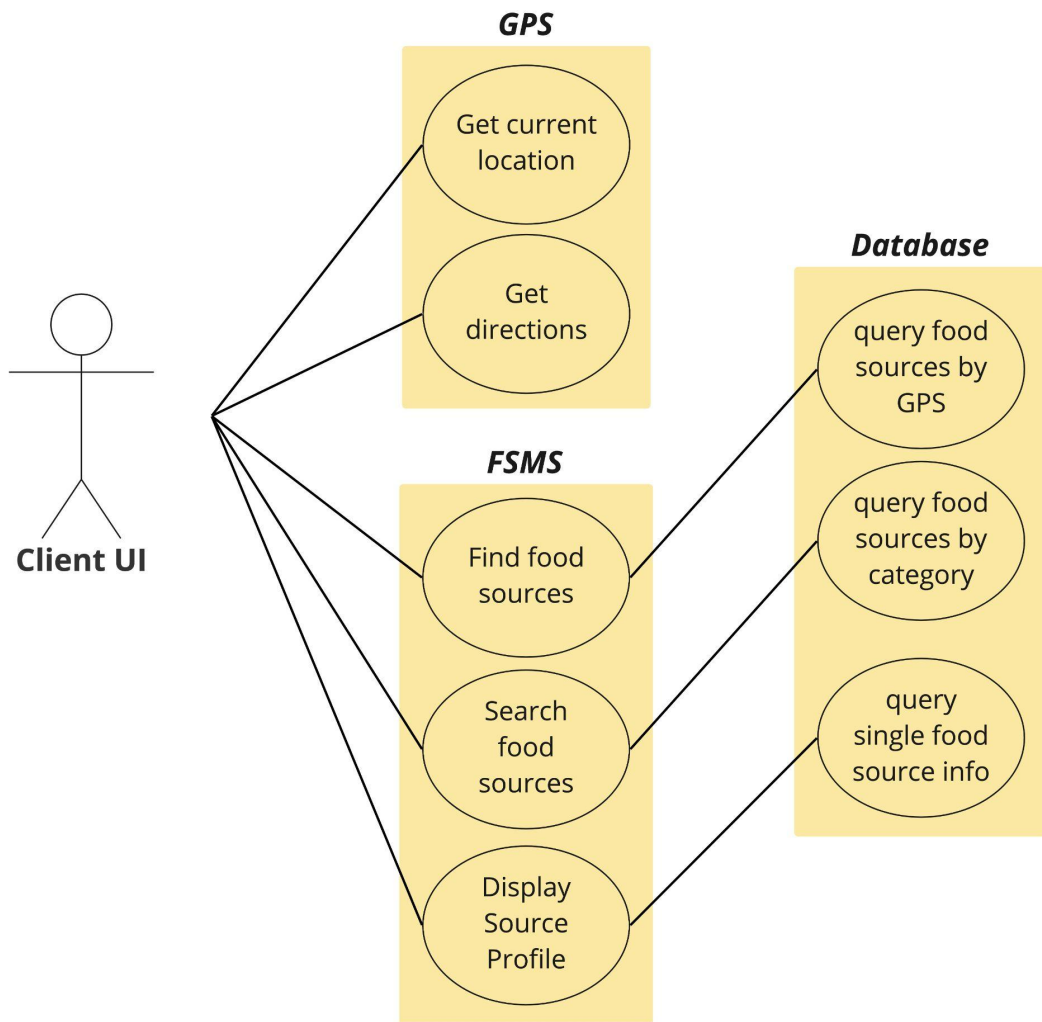Global Positioning System (GPS)

Food Source Database (DB)

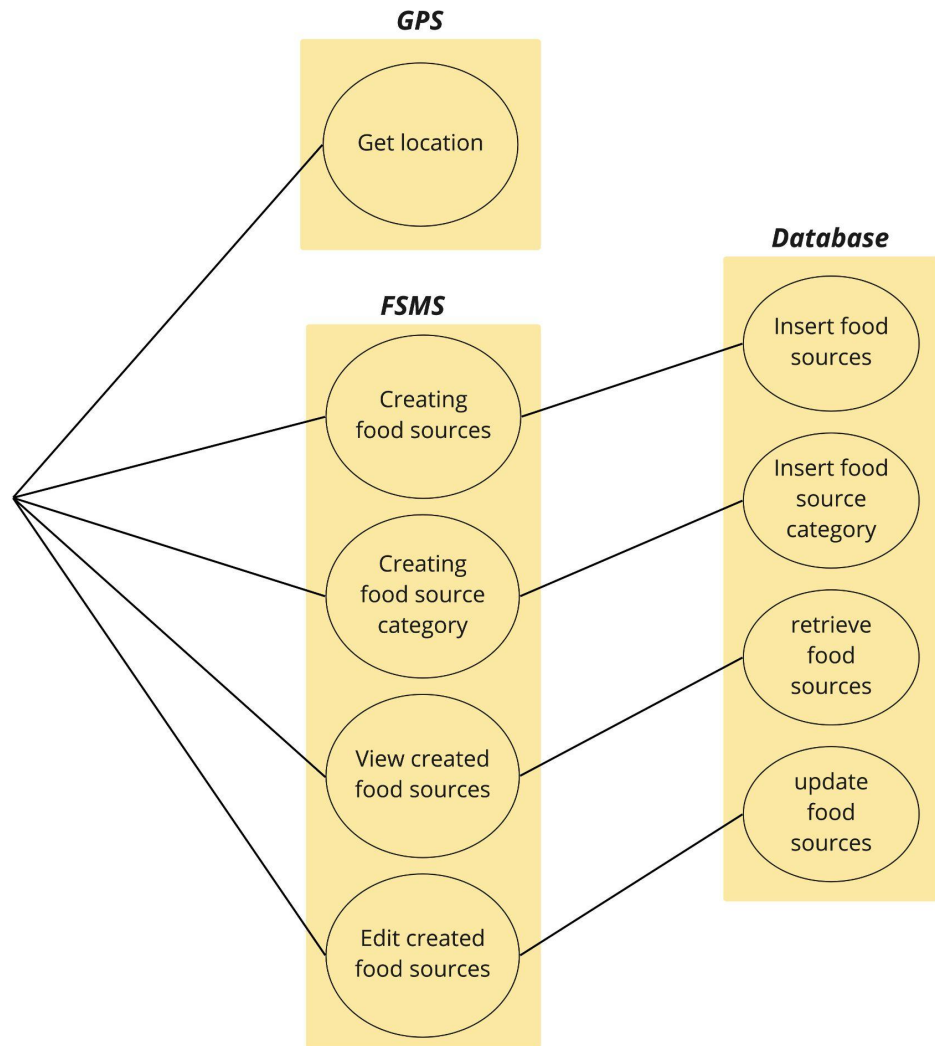# UML Sequence Diagram

UI **GPS** **FSMS** **Database**

Get Location →

← Latitude & Longitude

Click Search →

Get sources with GPS →

Alt

[if no food sources around GPS]

← No sources found

← Display No Data error

[if food sources available at GPS]

← Food sources

← Display food sources on map

Select source →

Get source info →

← Source full info

← Display food source profile

Get directions →

← Get source GPS

← Directions

Client Use Case Scenario

GPS
- Get current location
- Get directions

Database
- query food sources by GPS
- query food sources by category
- query single food source info

Client UI

FSMS
- Find food sources
- Search food sources
- Display Source Profile

Supplier Use Case Scenario
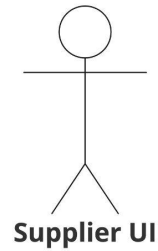
User Test Case Scenario

Find Nearby Food Sources

- GPS should detect current location

- FSMS should find food sources near current location

- UI display map with nearby food sources

- Client should be able to filter based on category of food

- GPS should give directions to selected food source

Supplier Test Case Scenario

Register New Food Source

- Supplier should be able to input food source info

- Supplier should be able to add food category.

- FSMS should store information in DB

- FSMS should be able to retrieve all food sources created by supplier.

References

1. Ian Sommerville, Software Engineering 10th Edition
2. https://miro.com/app/board/uXjVPKZsWy0=/

fin.