# Food Oasis

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# Purpose

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

Client

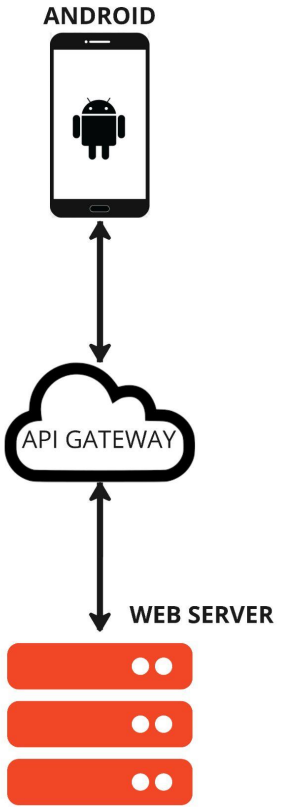
- Find fresh local food
- No need to create an account or give an information

Suppliers

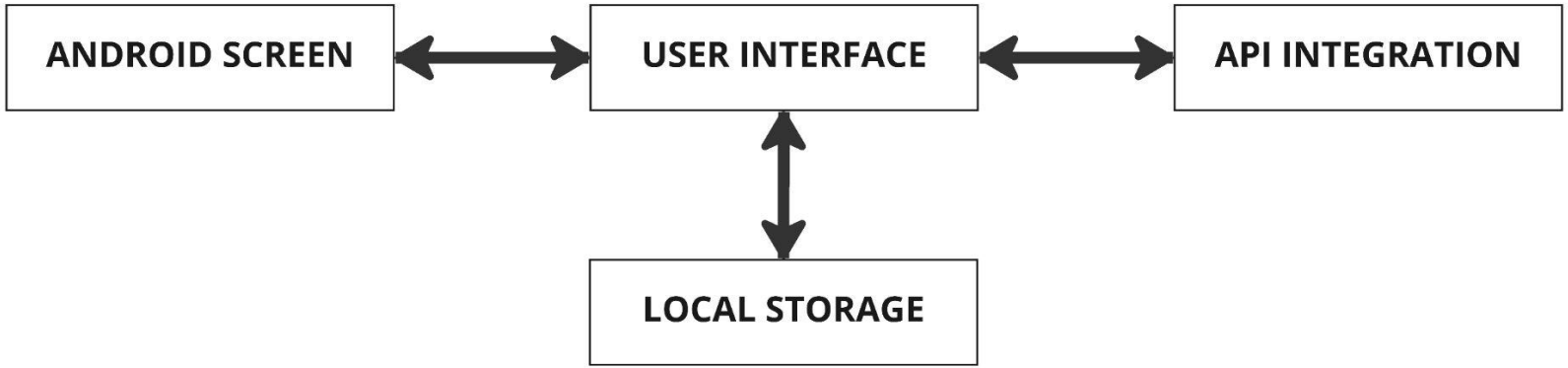
- Eliminate food waste
- Help the community

# Client Server Architecture

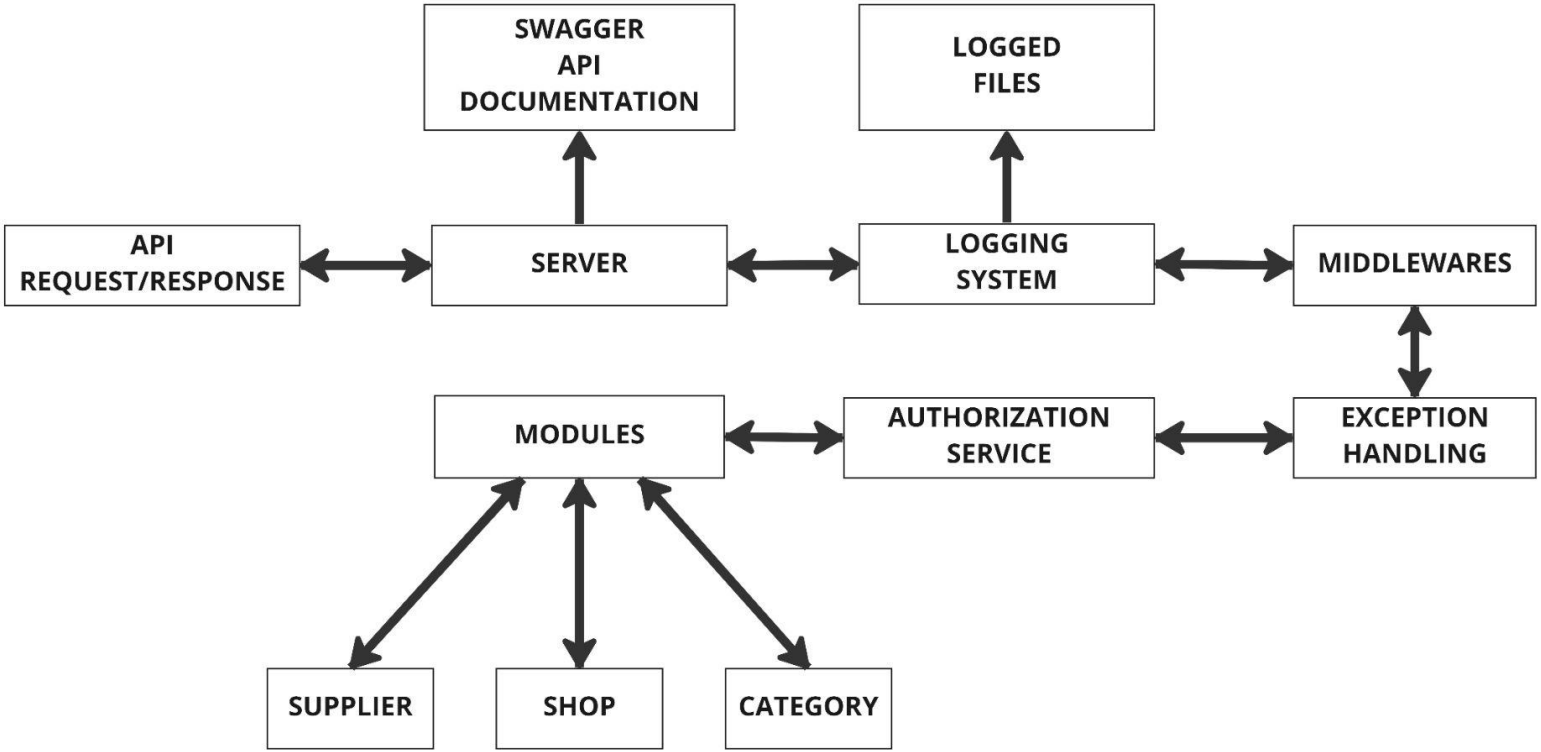
- Team divided: front-end, back-end
- **Client server architecture** best represents the team division
- **Client server architecture** lightly coupled thus highly maintainable and scalable



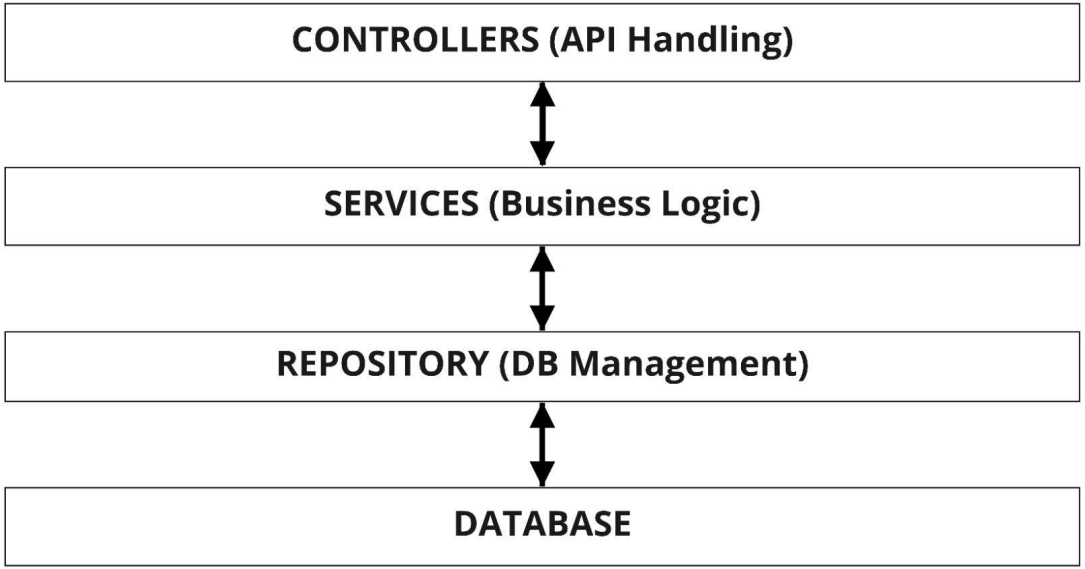
# Client Side


ANDROID SCREEN
USER INTERFACE
API INTEGRATION
LOCAL STORAGE

# Server Side


SWAGGER
API
DOCUMENTATION
LOGGED
FILES
API
REQUEST/RESPONSE
SERVER
LOGGING
SYSTEM
MIDDLEWARES
MODULES
AUTHORIZATION
SERVICE
EXCEPTION
HANDLING
SUPPLIER
SHOP
CATEGORY

# Server Side


CONTROLLERS (API Handling)
SERVICES (Business Logic)
REPOSITORY (DB Management)
DATABASE

# Coding Languages

## Back-end

| ***Java*** | ***NodeJS (TS)*** |
|---|---|
| Difficult to set up | Easy to set up |
| OOP | OOP (TS) |
| Slow response time | Fast response time |

| ***PostgreSQL*** | ***MySQL*** | ***Mongo*** |
|---|---|---|
| Free hosting | Not free | Not free |
| Structured DB | Structured DB | Non-structured DB |

## Front End

| ***Kotlin (Java)*** | ***React Native (JS)*** |
|---|---|
| Slower performance | Faster performance |
| Program faster | Program Slower |
| Fits better with our skill set | Doesn't fit as well with our skill set |

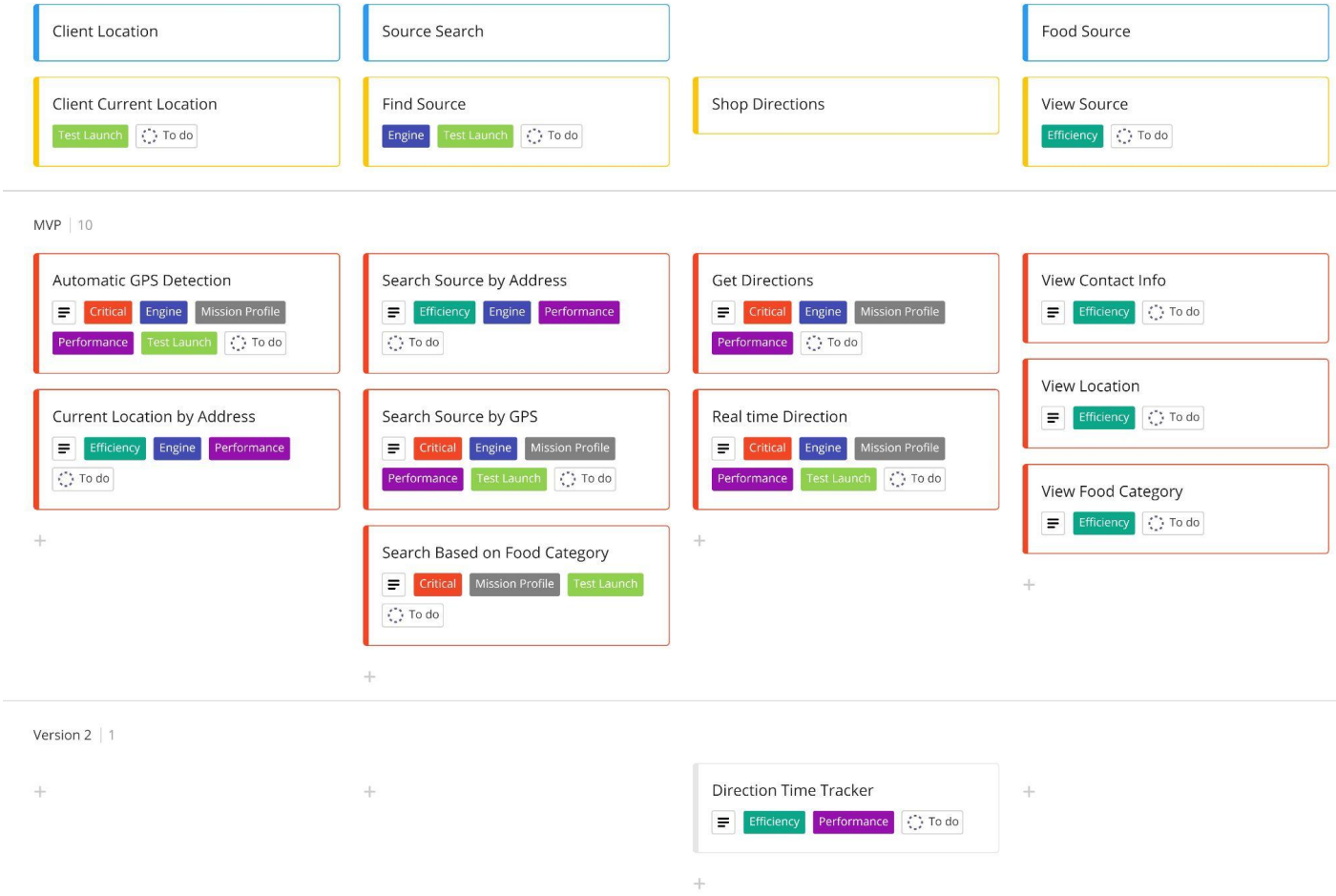
Client Story Map

# Client Storyboard

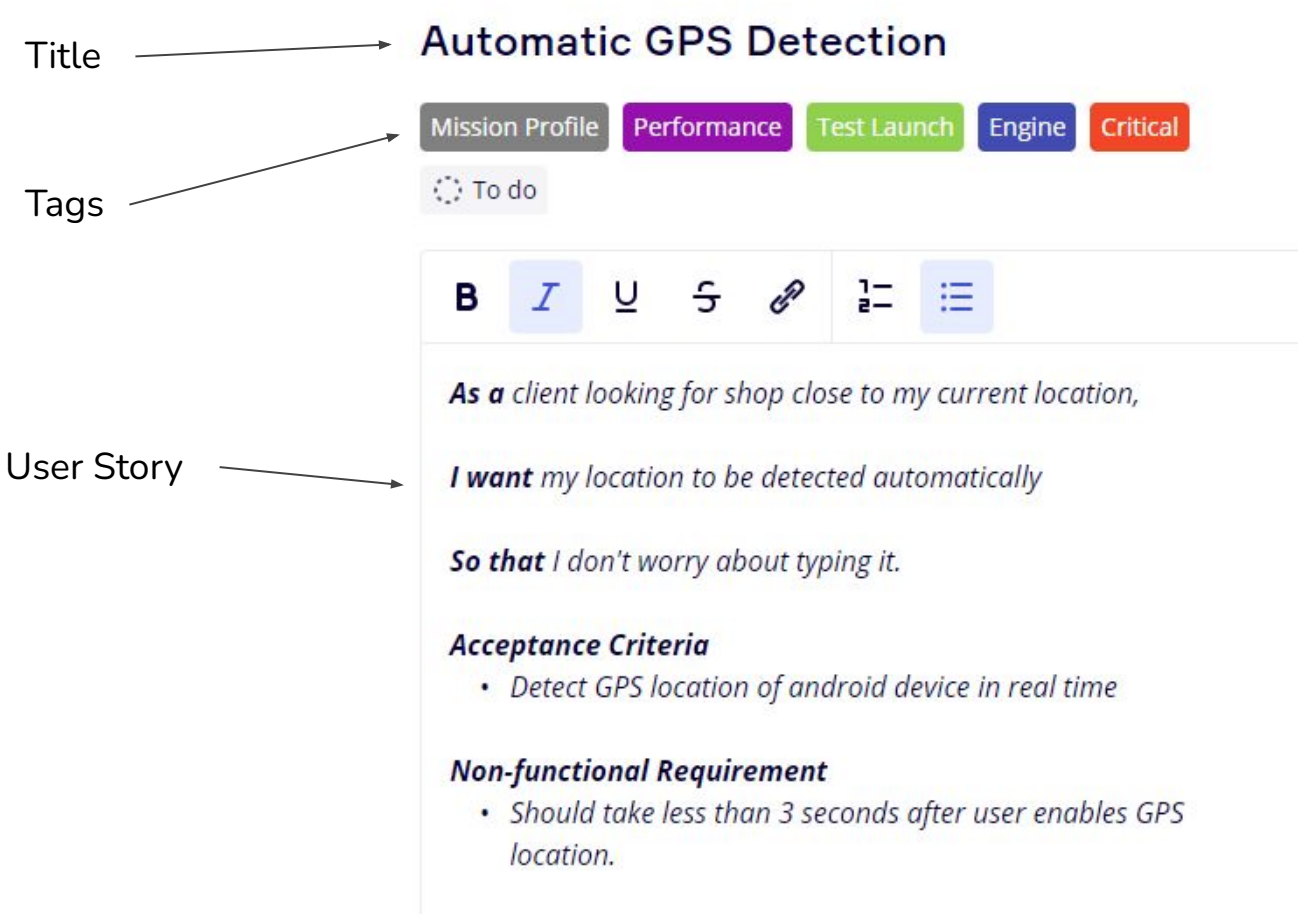
Title

Epic

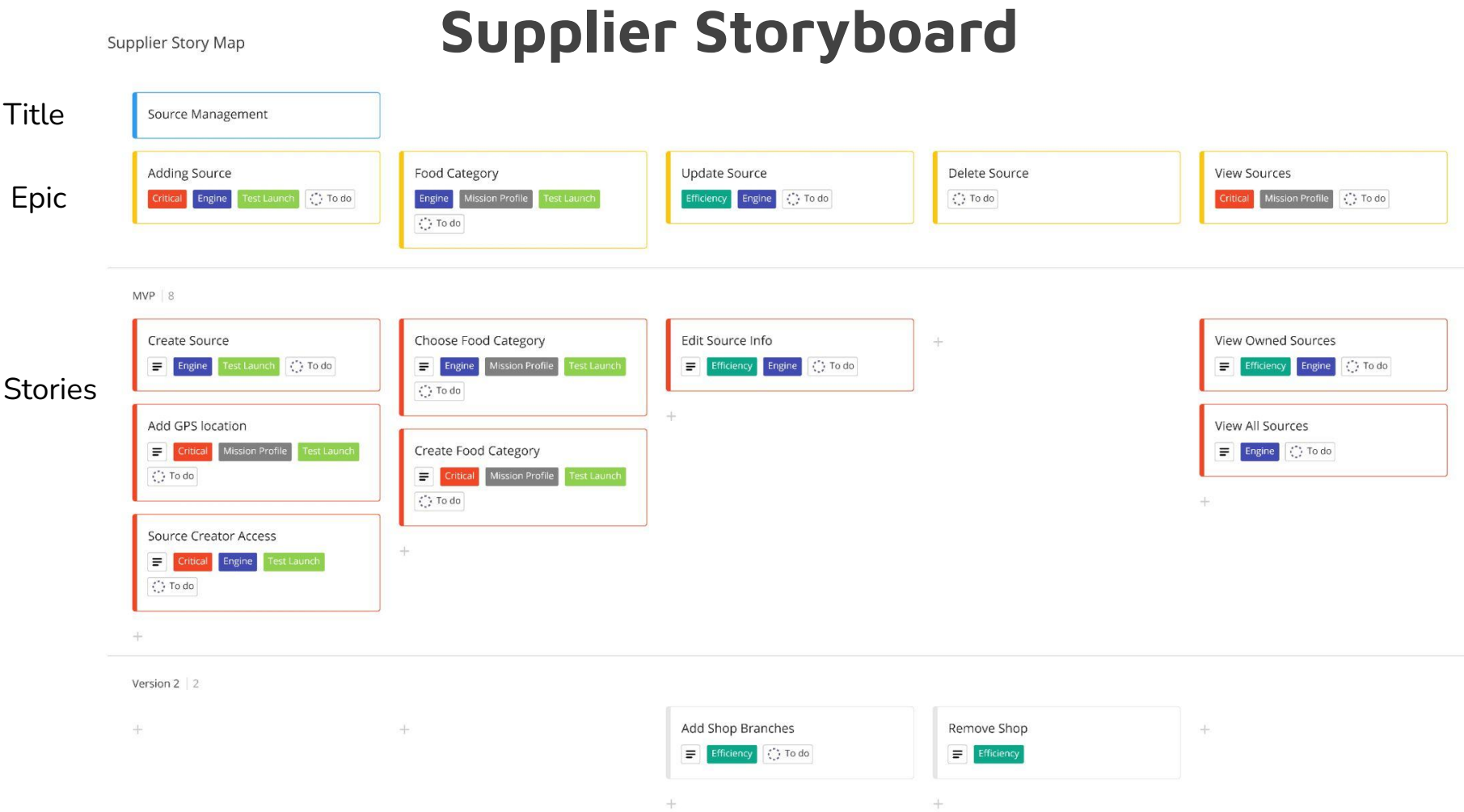
Stories



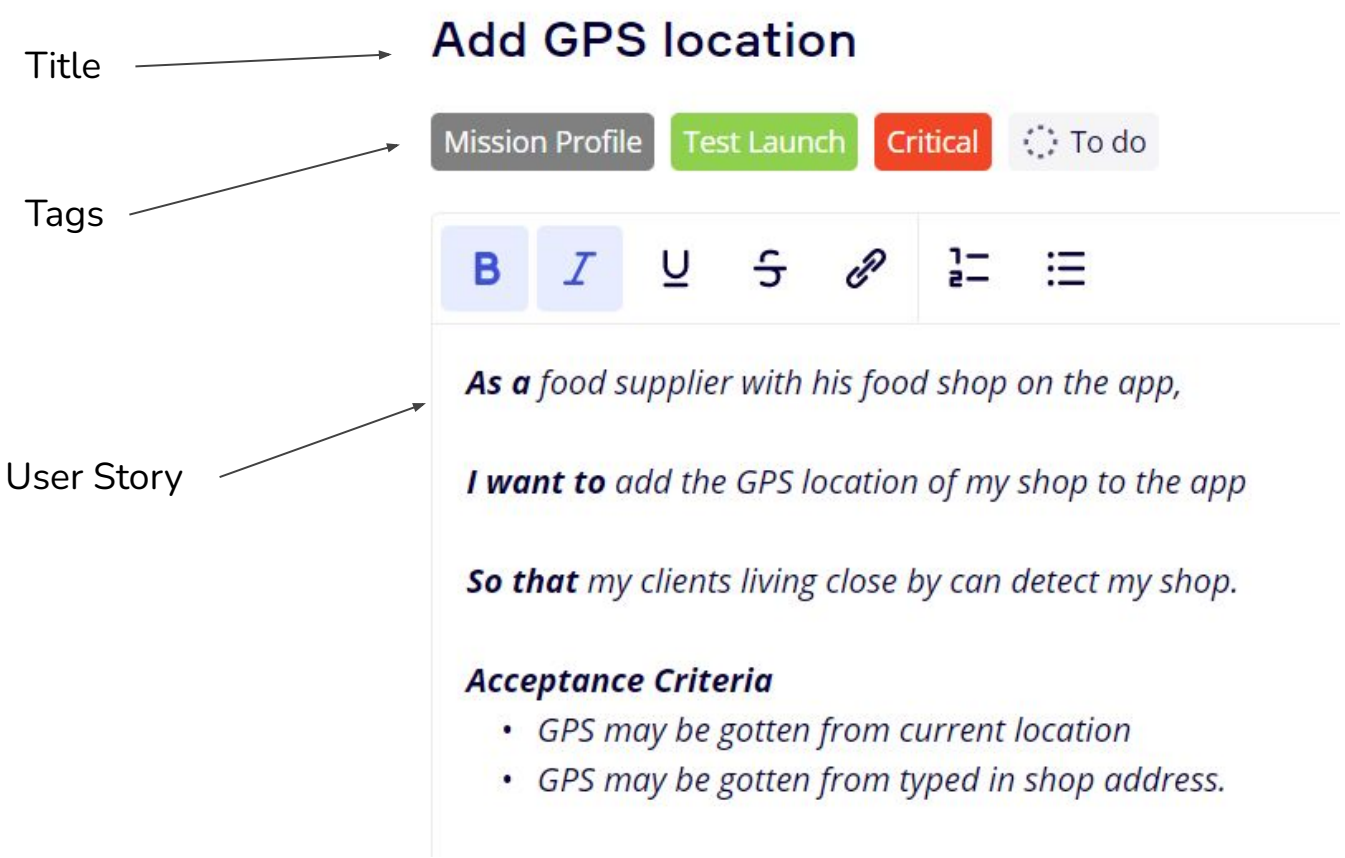
# Client Story Card



# Supplier Storyboard



# Supplier User Story Card



# 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