

# SPRINT PLAN – Street Vendor Aggregator

## ## Sprint Overview

Project Duration: 2 Sprints

Sprint Length: 1 week each

Methodology: Agile / Scrum

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## ## SPRINT 1 – Backend + Core Features (Week 1)

### ### Sprint Goal:

Set up authentication, database structure, vendor registration workflow, and backend security.

### ### Task List:

#### 1. Project Setup

- Initialize repository
- Configure Next.js/Lovable environment
- Connect Supabase backend

#### 2. Database Setup

- Create profiles table
- Create user\_roles table
- Create vendors table
- Create vendor\_locations table
- Configure storage bucket for vendor images

#### 3. RLS Security Policies

- Apply RLS to all tables
- Add SELECT, INSERT, UPDATE permissions
- Test role-based access

#### 4. Authentication System

- Signup page
- Login page

- Automatic profile creation
- Assign default role to new users

## 5. Vendor Role Workflow

- Create Become Vendor page
- Insert vendor role into user\_roles
- Test RLS compliance

## 6. Vendor Registration

- Build registration form
- Upload vendor photos to storage
- Insert vendor data and location into database

## 7. Testing

- Validate authentication
- Validate vendor workflow
- Fix RLS-related errors

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## ## SPRINT 2 – UI/UX + Customer Features (Week 2)

### ### Sprint Goal:

Build user interface, vendor listing, customer search system, and map integration.

### ### Task List:

1. UI/UX Development
  - Responsive layout design
  - Home page + navigation bar
  - Mobile-first design adjustments

## 2. Vendor Browsing System

- Vendor listing page
- Category filtering
- Search functionality

### 3. Vendor Details Page

- Vendor information view
- Contact vendor button
- Display vendor photos

### 4. Map Integration (Optional)

- Display vendor location on map
- Provide Get Directions option

### 5. Admin Panel (Optional)

- Vendor approval
- Basic analytics/dashboard

### 6. Customer Experience

- Smooth browsing
- Improved UI responsiveness

### 7. Testing

- Test across devices
- Validate database connectivity
- Final bug fixes

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## ## Sprint Deliverables

### ### Sprint 1 Deliverables:

- Supabase database structure
- Authentication working
- Vendor registration flow completed
- RLS policies verified

### ### Sprint 2 Deliverables:

- Vendor browse functionality
- Vendor profile UI

- Search & filter features
- Map view (optional)
- Final tested build

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## ## Conclusion

After 2 completed sprints, the project delivers a fully functional Street Vendor Aggregator platform with:

- Vendor onboarding
- Customer search and filtering
- Secure backend
- Clean responsive UI
- Deployment-ready build