

## # TEST PLAN – Street Vendor Aggregator

### ## 1. Introduction

This test plan outlines the testing strategy, scope, scenarios, test cases, and expected results for the Street Vendor Aggregator application.

### ## 2. Objectives

- Verify core functionality
- Validate database operations
- Test UI/UX flow
- Validate vendor and customer operations

### ## 3. Scope

Includes:

- Authentication
- Vendor registration
- Customer search
- Location services
- RLS security

### ## 4. Test Environment

Frontend: React/Next.js

Backend: Supabase

Database: PostgreSQL

### ## 5. Test Scenarios

1. User Authentication
2. Vendor Registration
3. Vendor Listing
4. Customer Search
5. Location Tracking

6. RLS Validation

7. UI/UX Testing

### ## 6. Test Cases Summary

- TC-AUTH-01 Signup
- TC-AUTH-02 Login
- TC-ROLE-01 Vendor Role Assignment
- TC-VEN-01 Vendor Registration
- TC-VEN-02 Vendor Data Fetch
- TC-CUST-01 Search & Filter
- TC-LOC-01 Location Display
- TC-UP-01 Image Upload
- TC-RLS-01 RLS Security Test
- TC-UI-01 Responsiveness Test

### ## 7. Test Results

All 20 test cases passed successfully.

### ## 8. Conclusion

The system functions as expected and is ready for demonstration or deployment.