# Test Suite: Shop Location Auto-Fetch (within 10km Radius)

## Test Case ID: GN\_LOC\_001

Type: Positive

Title: Auto-fetch shops within 10km of user’s current location

Steps to Execute:  
1. Launch the app  
2. Allow location permission  
3. Navigate to 'Nearby Shops'  
4. Wait for list to load

Expected Result:  
All shops within 10km are listed with name, distance, and contact

## Test Case ID: GN\_LOC\_002

Type: Positive

Title: Shops sorted by proximity (nearest first)

Steps to Execute:  
1. Fetch nearby shops  
2. Check order of listing

Expected Result:  
Shops sorted in ascending order of distance (e.g., 1km, 3km, 5km...)

## Test Case ID: GN\_LOC\_NEG\_001

Type: Negative

Title: Location permission denied by user

Steps to Execute:  
1. Launch app  
2. Deny location access  
3. Navigate to 'Nearby Shops'

Expected Result:  
Show error: 'Location access required' and button to enable

## Test Case ID: GN\_LOC\_NEG\_002

Type: Negative

Title: No shop found within 10km

Steps to Execute:  
1. Set GPS to remote location  
2. Open 'Nearby Shops'

Expected Result:  
Message: 'No shops available nearby' with retry option

## Test Case ID: GN\_LOC\_BOUND\_001

Type: Boundary

Title: Shop located at exactly 10.0 km

Steps to Execute:  
1. Use mock GPS with shop exactly 10.0 km away  
2. Open 'Nearby Shops'

Expected Result:  
Shop should be included in the result

## Test Case ID: GN\_LOC\_PERF\_001

Type: Performance

Title: Time to fetch shop list with 4G

Steps to Execute:  
1. Launch app on 4G network  
2. Open 'Nearby Shops'  
3. Measure load time

Expected Result:  
Shop list loads in < 3 seconds

## Test Case ID: GN\_LOC\_SEC\_001

Type: Security

Title: User disables location from phone settings mid-session

Steps to Execute:  
1. Launch app  
2. Navigate to 'Nearby Shops'  
3. Turn off location from phone settings

Expected Result:  
Prompt user to re-enable or fallback to manual search