

Test Case Document: Real-Time Tracking Feature

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Problem Statement:

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Scenario :

Courier company with 1000 agents. Ops Manager assigns orders. Agents see assigned orders, on android or iOS. Agents start the trip. GPS sent to server in realtime. Manager tracks location & progress.

Functional and non-functional test cases for real-time tracking of delivery agents -

Functional test cases :

Sr. No.	Functional test cases	Expectations
1	Start trip	Assigned orders are visible correctly
2	GPS location capture	Starts capturing as soon as trip starts & ends as trip ends
3	Correct order display	Each agent is assigned their own list of orders
4	Realtime location updates	New location data visible to server & manager
5	Tracks cross platform	Works on both android and iOS
6	Network issues	Queue updates and share cache when network restored
7	Multiple agents visible to manager	Manager sees active agent(s) location correctly

Non-functional test cases :

Sr. No.	Non-functional test cases	Expectation
1	Performance & speed	Minimal time lag in periodic location updates to manager
2	Accuracy	Location accuracy

3	Scalability	1000 delivery agents' real time feed without lag
4	Security	No data leaks,
5	Coss platform compatibility	Runs smoothly on Android & iOS
6	Reliability	No app crashes & updates the location realtime
7	Usability	Map is clear, zoomable