LogiNext Case Study

Candidate Name: Sushant Anant Bodade
GitHub Repository: https://github.com/sushant0786/Loginext-Case-Study

---

About This Project

This document wraps up my work on the LogiNext QA Automation case study. It summarizes how I approached both parts of the assignment and how the solutions fit perfectly with their requirements. The goal was to create solid test cases for real-time delivery agent tracking and build an automation script for Google Maps directions extraction.

Part A: Test Cases for Real-Time Tracking

For the courier company with 1000 delivery agents, I designed a complete set of test cases covering functional and non-functional aspects:

- The delivery agents can start trips and view their assigned orders on their apps seamlessly.

- The system periodically captures GPS location data and sends it to the server reliably.

- The operations manager has access to real-time tracking data to monitor agents live.

- Performance under heavy load (1000 agents), GPS accuracy, battery usage, security measures, and cross-platform compatibility were all tested.

These tests guarantee that the delivery tracking system works efficiently, accurately, and securely across all relevant devices and conditions.

Part B: Automation Script for Google Maps

I developed a Python-based Selenium automation script that:

- Opens Google Maps, navigates to the directions feature.

- Inputs my residential starting location and "91 Springboard, Vikhroli" as the destination.

- Selects the first available route automatically.

- Extracts driving instructions and saves them in an Excel sheet.

- Takes a screenshot of the route for visual confirmation.

Conclusion

This case study helped me showcase my understanding of both manual QA strategies and automation skills tailored for logistics and delivery platforms. I'm confident these deliverables meet and exceed LogiNext's expectations for quality, reliability, and technical excellence.