

GPS Based Toll Tracking System



Introduction

GPS technology to revolutionize highway toll collection and road safety. By automatically calculating tolls based on distance traveled and monitoring vehicle speeds, it ensures fair charges and discourages over speeding.

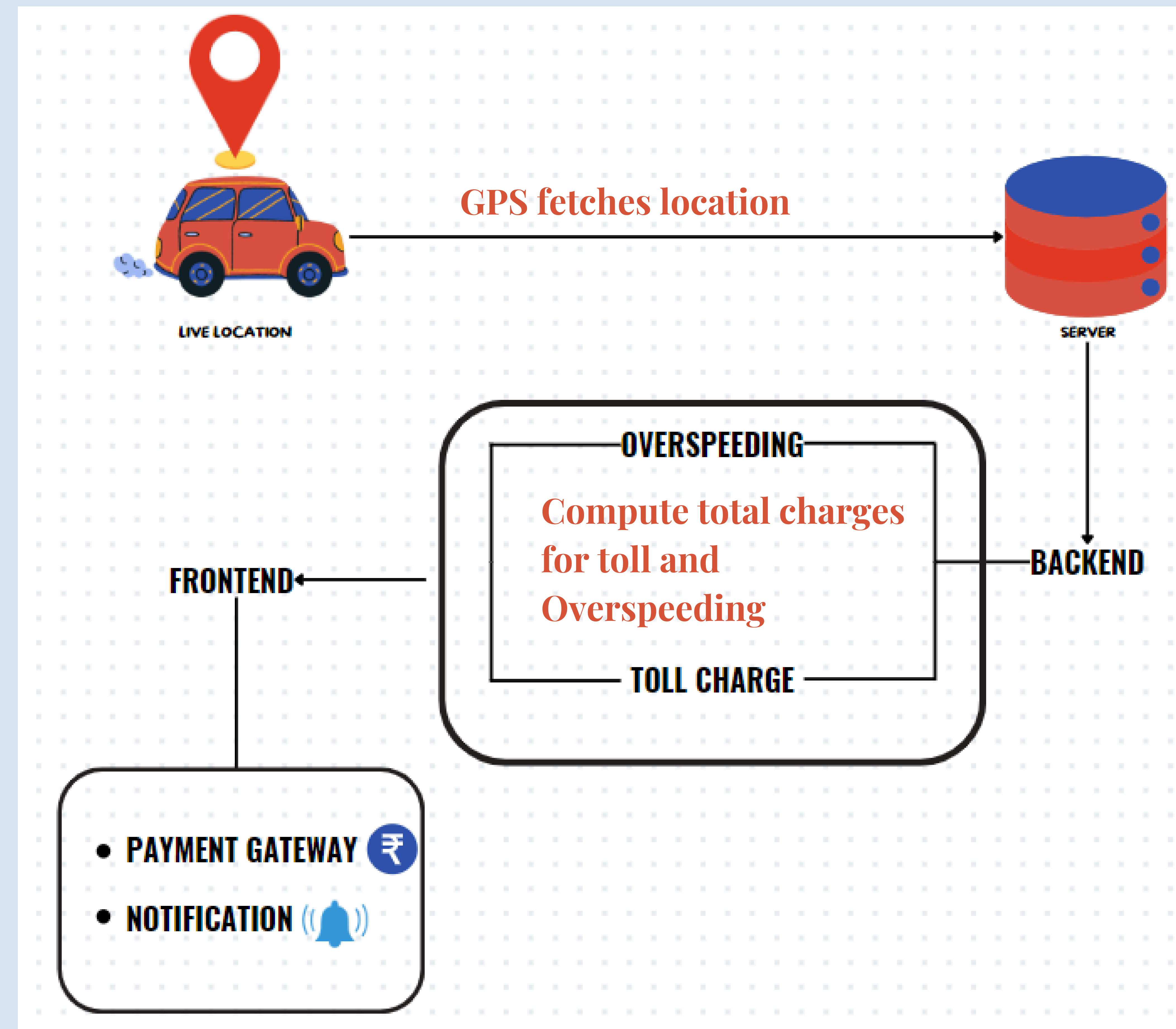
Objective

1. Automate Toll Collection
2. Enhance Road Safety
3. Improve Traffic Flow
4. Increase Transparency
5. Reduce Operational Costs

Impacts

- **Economic Impact**
 - Reduces cost of construction and maintenance of toll booth.
 - Elimination of corruption through cashless transaction and transparent billing.
- **Environmental Impact**
 - Lesser fuel consumption and lower carbon emissions.
- **Social Impact**
 - Supports law enforcement in maintaining safer roads.

Technical Approach



Benifits

- Real-time monitoring of vehicle speeds can help track and penalize overspeeding vehicles, which improves overall safety.
- Lesser jams at highways owing to lesser congestion on roads.
- Vehicles will be more secure and safe in case of thefts.