



Innovative Enhancement of the Navarchos Fleet Management System

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□ Motivation

With the increasing complexity of operations in transportations and logistics, there is an urgent need for companies with fleets to increase drivers and fleet productivity as well as to minimize their operational costs; therefore there is a significant demand for highly-capable, yet easy-to-use Fleet Management Systems (FMS).

□ Scientific Objectives

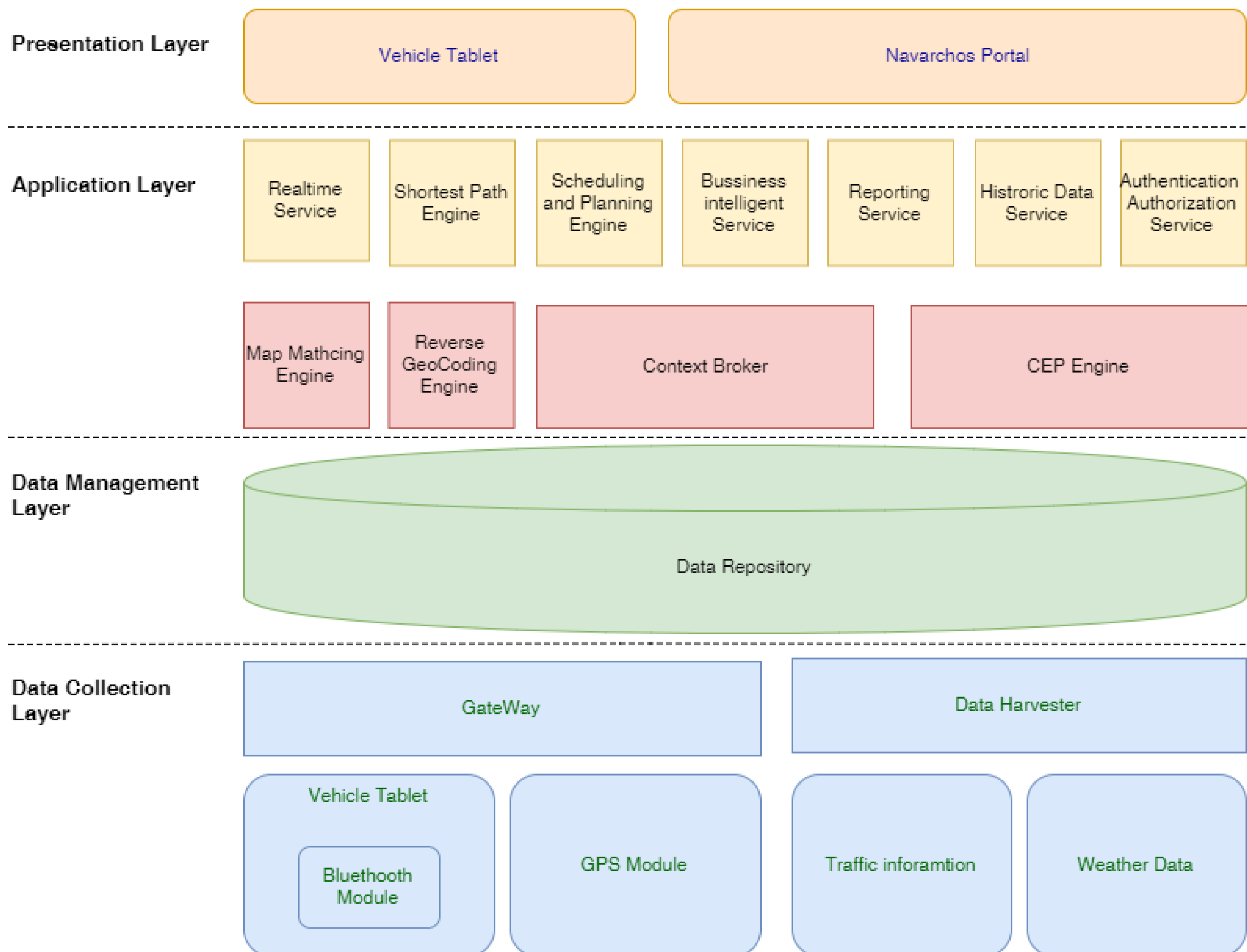
- Real-time, driver-centric notifications and recommendations algorithm for safe-driving and eco-driving

- Fleet-centric and driver-centric intelligent metrics and analytics

□ Technological Objectives

- Cloud-based scalable, highly available and high performance infrastructure
- Efficient aggregation of multi-source Data
- Facilitation of complex event processing over data warehousing
- Routing optimization and route planning engine
- Historical Vehicle Tracking System Data Analytics

NAVARCHOS Platform – System Architecture



□ Vision

- To develop a globally competitive Fleet Management System (FMS)
- To integrate more than 1500 GPS tracking modules from more than 130 GPS tracking manufactures into NAVARCHOS FMS

- To improve both the eco and safety driving behavior with high impact on the environment and the society
- To trigger proactive recommendations for vehicle safety and maintenance
- To develop integrated solutions based on every day business needs