Hochschule für Technik
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EAM CASE STUDY

Truck Tolling Diagrams

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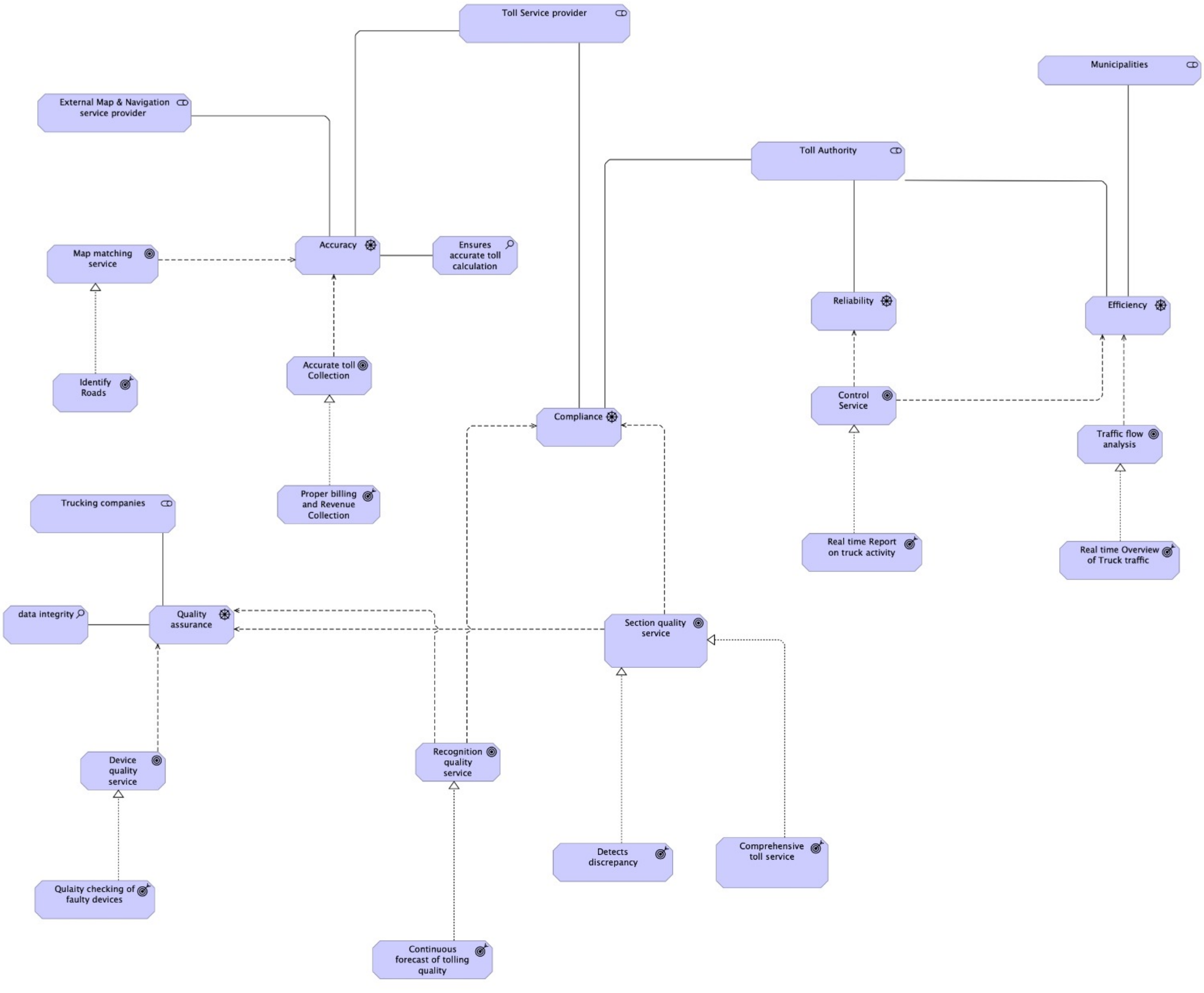
Stakeholder Viewpoint

The stakeholder viewpoint allows the analyst to model the stakeholders, the internal and external drivers for change, and the assessments (in terms of strengths, weaknesses, opportunities, and threats) of these drivers. Also, the links to the initial (high-level) goals that address these concerns and assessments may be described. These goals form the basis for the requirements engineering process, including goal refinement, contribution and conflict analysis, and the derivation of requirements that realize the goals.

Stakeholders	External stakeholders, business managers, enterprise and ICT architects, business analysts, requirements managers.
Concerns	Architecture mission and strategy, motivation
Purpose	Designing, deciding and informing
Scope	Motivation
Elements	Stakeholder Driver Assessment Goal Outcome

Stakeholder View



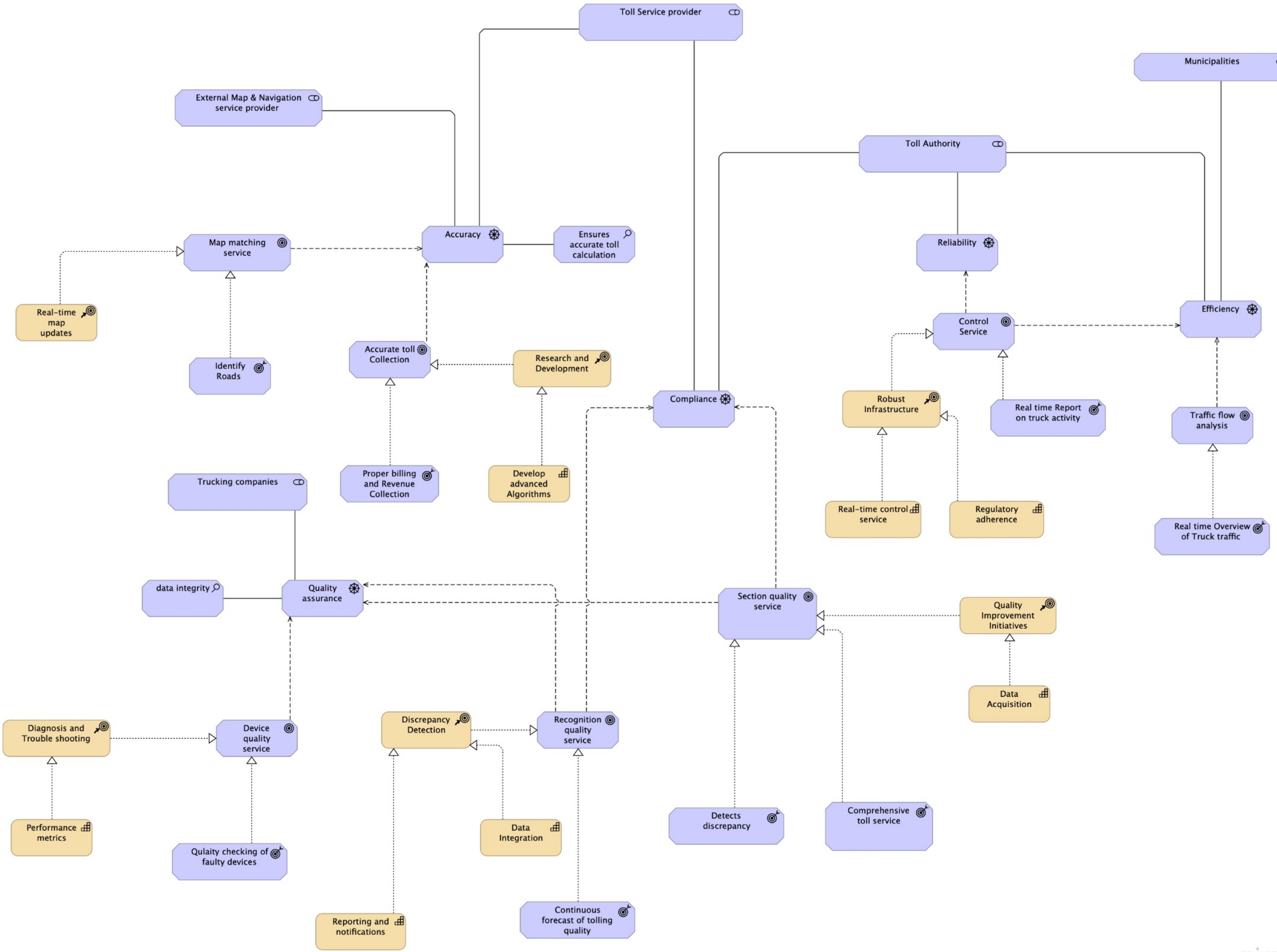
Requirements View

Strategy Viewpoint

The strategy viewpoint extends the stakeholder viewpoint: starting from the stakeholders drivers, goals and outcomes, it allows the Business Architect to model a high-level, strategic overview of the strategies (courses of action) of the enterprise, the capabilities, value streams, and resources supporting those, and the envisaged outcomes.

Stakeholders	CxOs, business managers, enterprise and business architects.	
Concerns	Strategy development	
Purpose	Designing, deciding	
Scope	Strategy	
Elements	Course of action	Capability
	Value stream	Resource
	Outcome	Goal
	Driver	Role

Strategy View

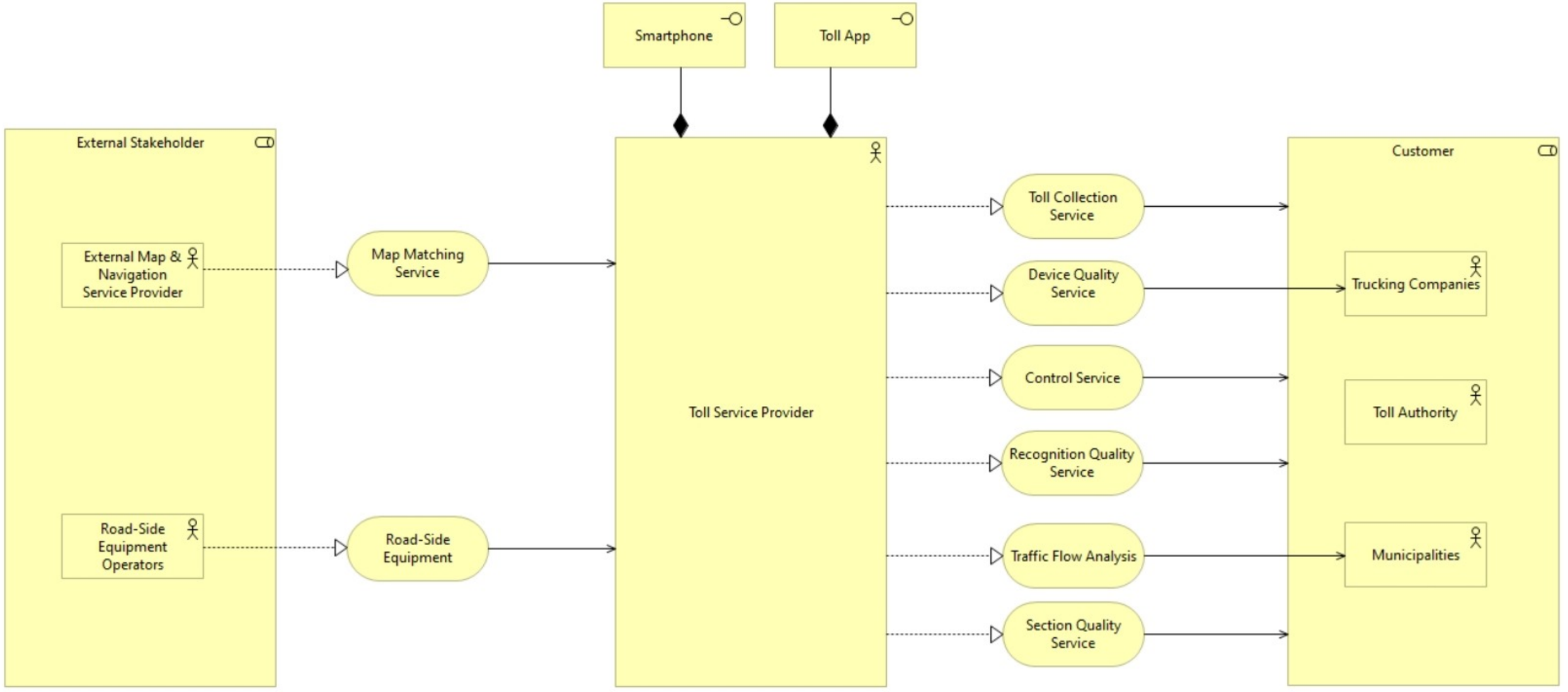


Service Viewpoint

The service viewpoint takes a “black box” view of an enterprise: it identifies the services an enterprise offers to its customers and the services it consumes from its suppliers, but is not concerned with how these services are offered or consumed. Next to the services this viewpoint also identifies the interfaces where these services are offered.

Stakeholders	Enterprise, process and domain architects, managers, employees, shareholders
Concerns	Identify the services an enterprise offers to its customers and consumes from its partners.
Purpose	Designing, deciding
Scope	Business Layer, multiple aspect • Business actor • Business role • Business service • Business interface

Service View



Capability Map Viewpoint

The capability map viewpoint allows the Business Architect to create a structured overview of the capabilities of the enterprise. A capability map typically shows two or three levels of capabilities across the entire enterprise. It can, for example, be used as a heat map to identify areas of investment. In some cases, a capability map may also show specific outcomes delivered by these capabilities.

Stakeholders	Business managers, enterprise and business architects
Concerns	Architecture strategy and tactics, motivation
Purpose	Designing, deciding
Scope	Strategy
Elements	Outcome
	Capability
	Resource

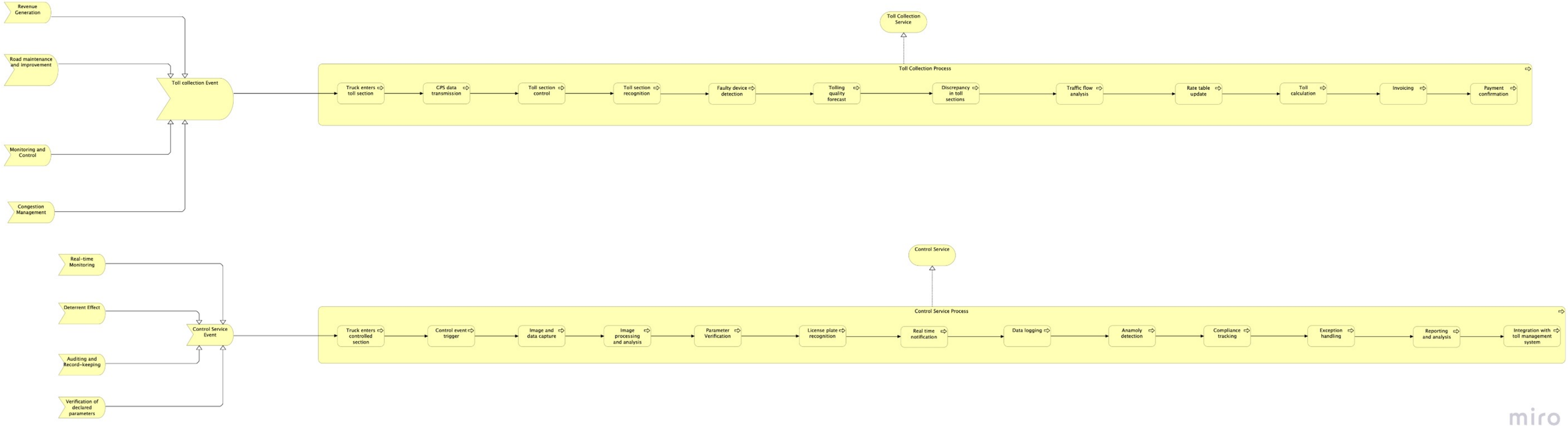
Capability View

Business Process Viewpoint

The business process viewpoint takes a “white box” view of an enterprise: it shows which processes are needed to provide a service. As such, it is a companion to the business services viewpoint.

Stakeholders	Enterprise, process and domain architects, managers, employees, shareholders	
Concerns	Identify the processes that are needed in order to provide a service.	
Purpose	Designing, deciding	
Scope	Business and Application Layer, multiple aspect.	
Elements	Business actor	Business collaboration
	Business event	Business function
	Business interaction	Business object
	Business role	Business service
	Representation	Application Service
	Grouping	Location

Business Process View

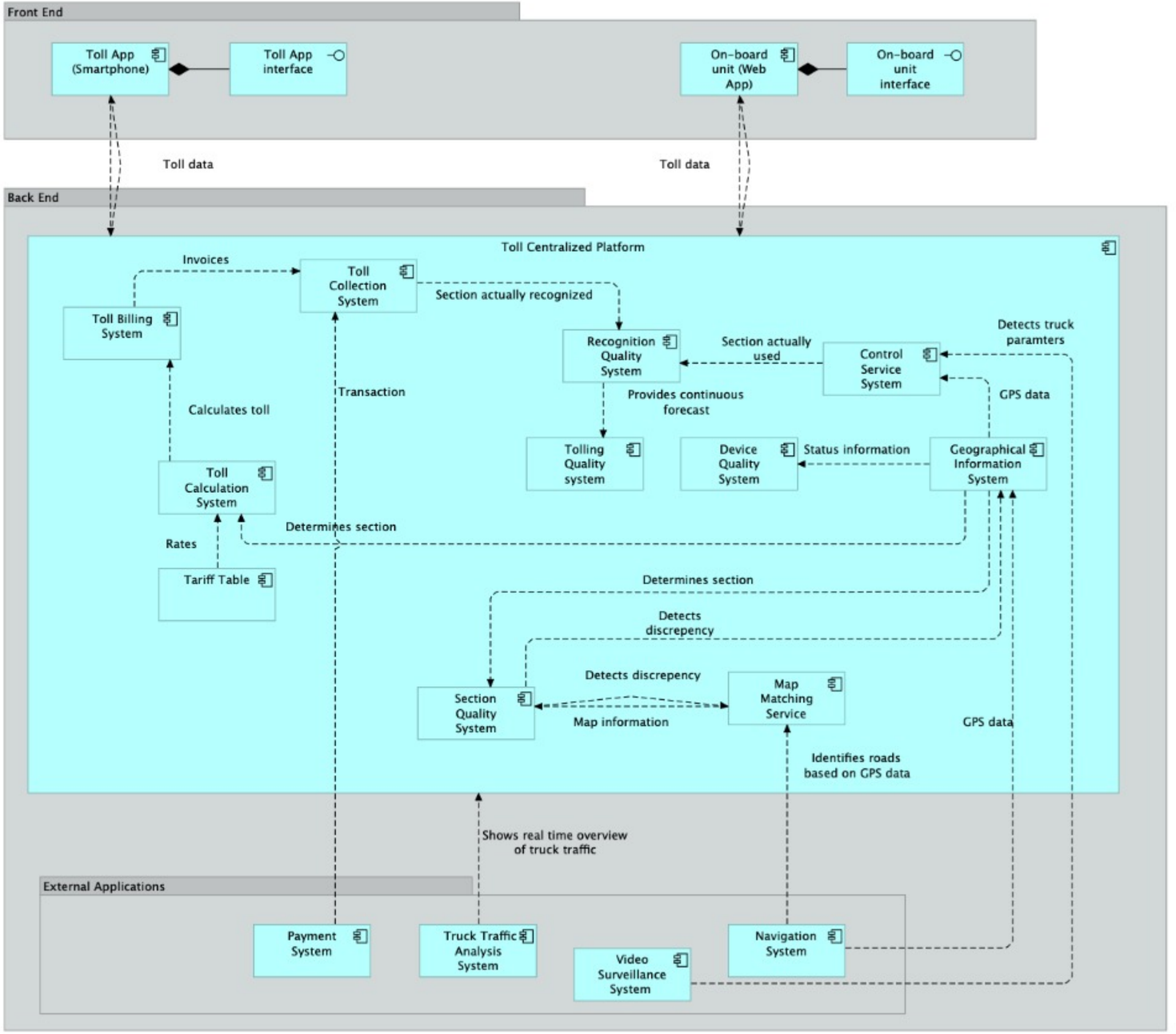


Application Structure Viewpoint

The application structure viewpoint shows the structure of one or more applications or components. This viewpoint is useful in designing or understanding the main structure of applications or components and the associated data; e.g., to break down the structure of the system under construction, or to identify legacy application components that are suitable for migration/integration.

Stakeholders	Application and solution architects
Concerns	Application structure, consistency and completeness, reduction of complexity
Purpose	Designing
Scope	Application layer / Multiple Aspect
Elements	Application component Application interface Application collaboration Data object

Application Structure View

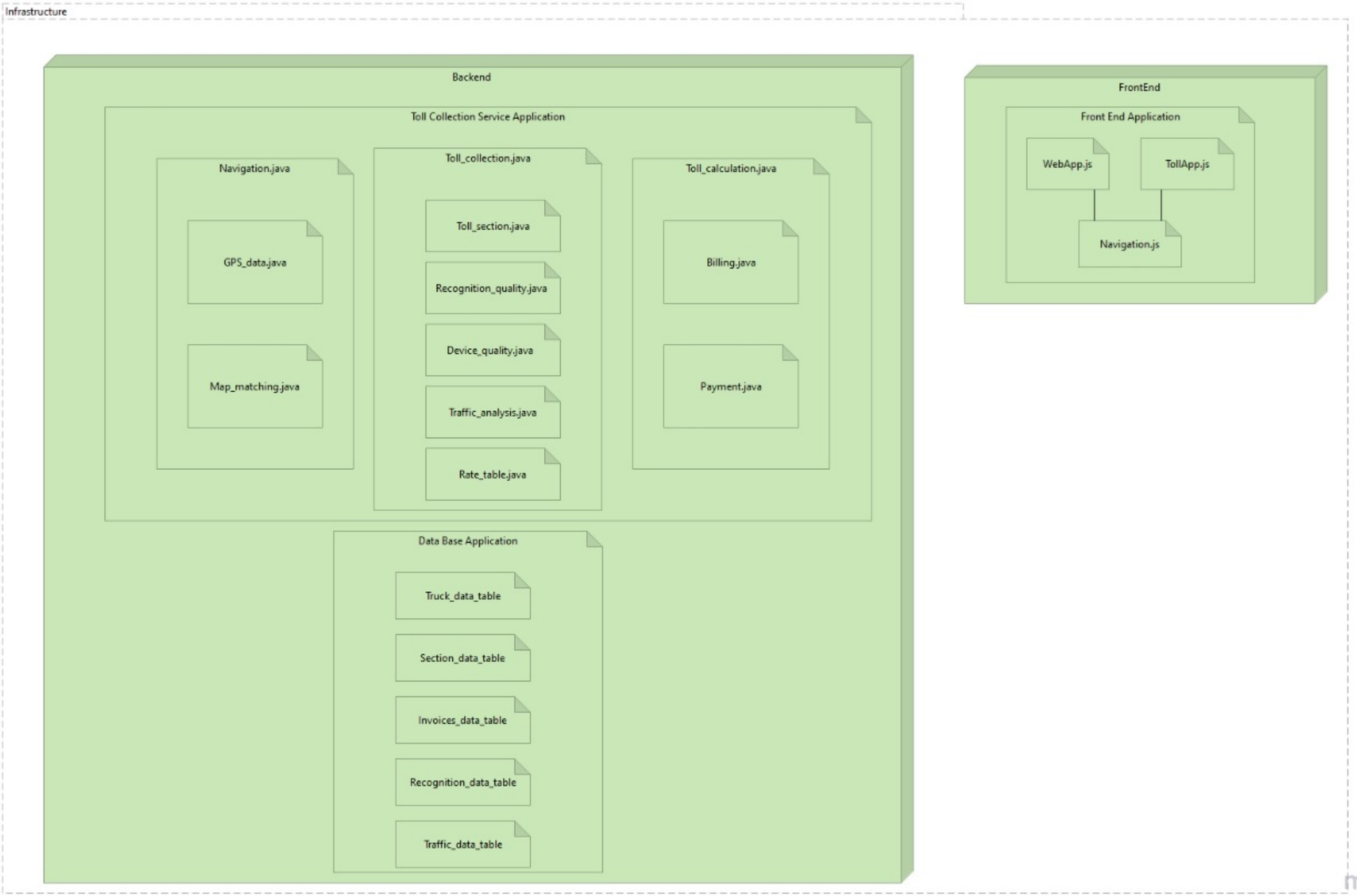


Implementation and Deployment Viewpoint

The implementation and deployment viewpoint shows how one or more applications are realized on the infrastructure. This comprises the mapping of applications and components onto artifacts, and the mapping of the information used by these applications and components onto the underlying storage infrastructure.

Stakeholders	Application and domain architects	
Concerns	Structure of application platforms and how they relate to supporting technology	
Purpose	Designing, deciding	
Scope	Application and technology layer/Multiple aspect	
Elements	Application component/collaboration	System software
	Application interface	Technology interface
	Application process/function/interaction	Path
	Application event	Technology process /function/interaction
	Application service	Technology service
	Data object	Artifact

Implementation and Deployment View



Layered Viewpoint

The layered viewpoint pictures several layers and aspects of an Enterprise Architecture in one diagram. The order, number, or nature of these layers are not fixed, but in general a (more or less) complete and natural layering of an ArchiMate model should contain a business layer, an application layer and a technology layer. The main goal of the layered viewpoint is to provide an overview in one diagram.

Stakeholders	Enterprise, process, application, infrastructure, and domain architects
Concerns	Consistency, reduction of complexity, impact of change, flexibility
Purpose	Designing, deciding, informing
Scope	Multiple layer/Multiple aspect
Elements	All core elements and all relationships are permitted in this viewpoint.

Layered View of the Toll Collection Service