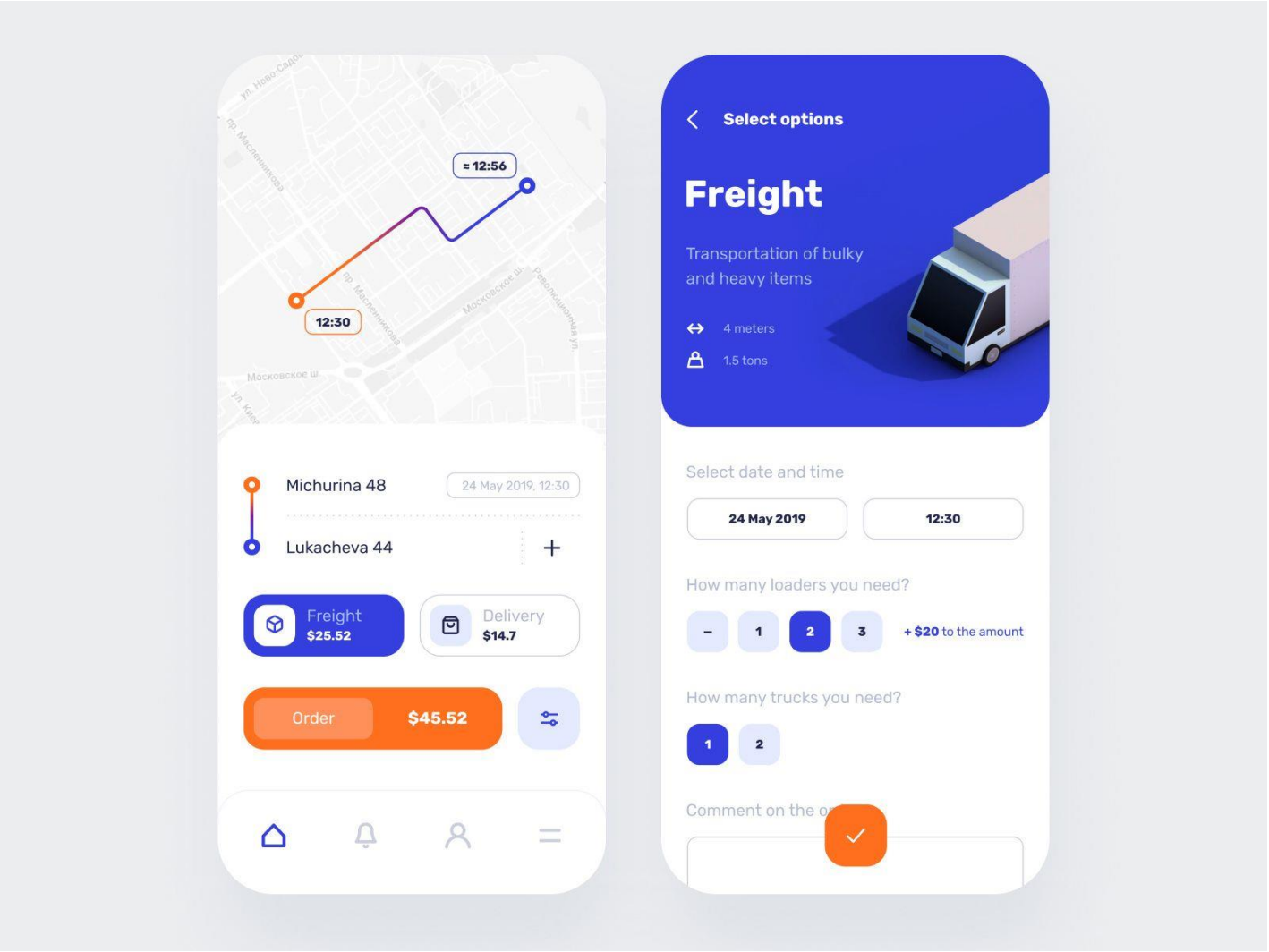

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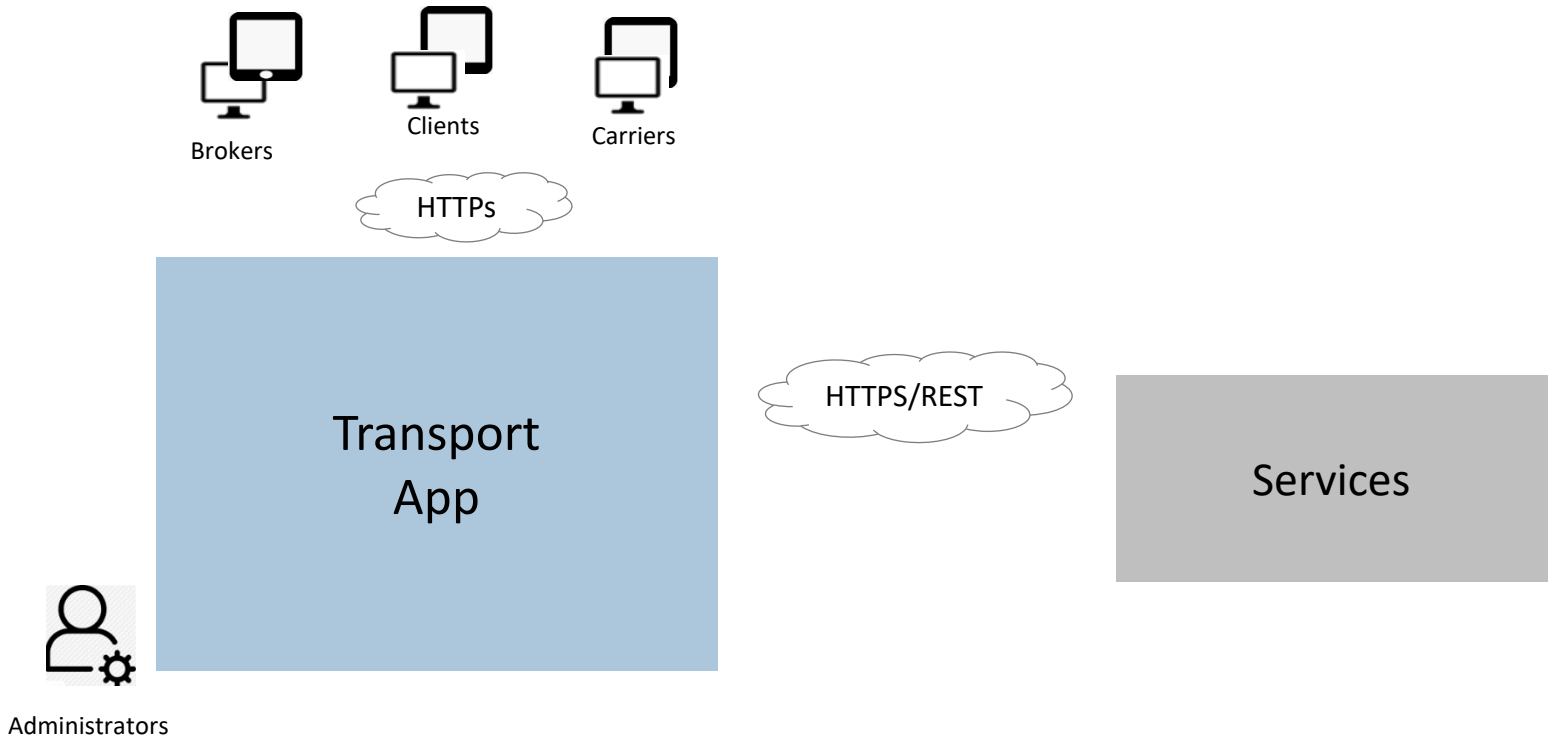
Specification of Transport App

Pr. Abdelhay HAQIQ

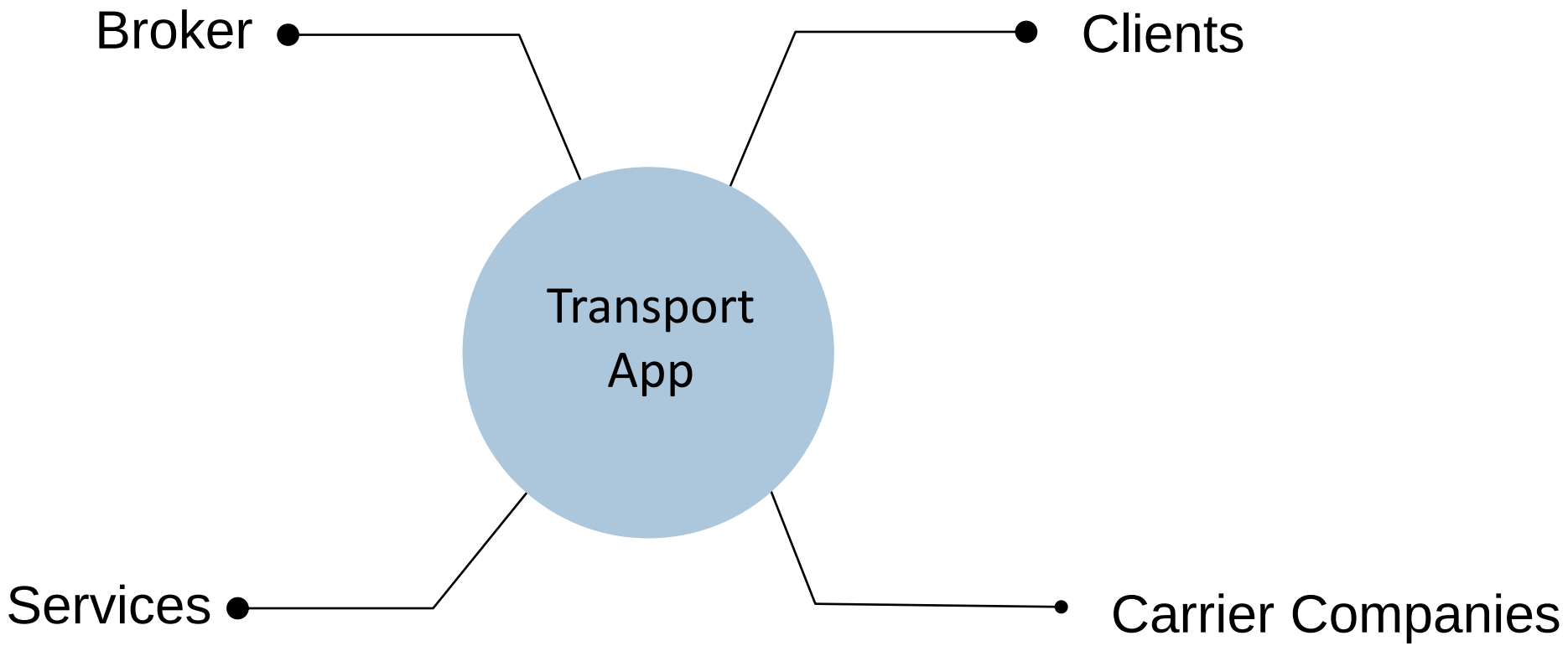
Application Architecture



- **Transport App:** web and mobile application with an administrative function that in the first room should facilitate the demand from the buyer of land transportation services and the opportunity for the seller of transportation.
- **Services:** Provides MAP, Geolocalisation, Chat and social media sharing.

Stakeholders Analysis

Stakeholders Map



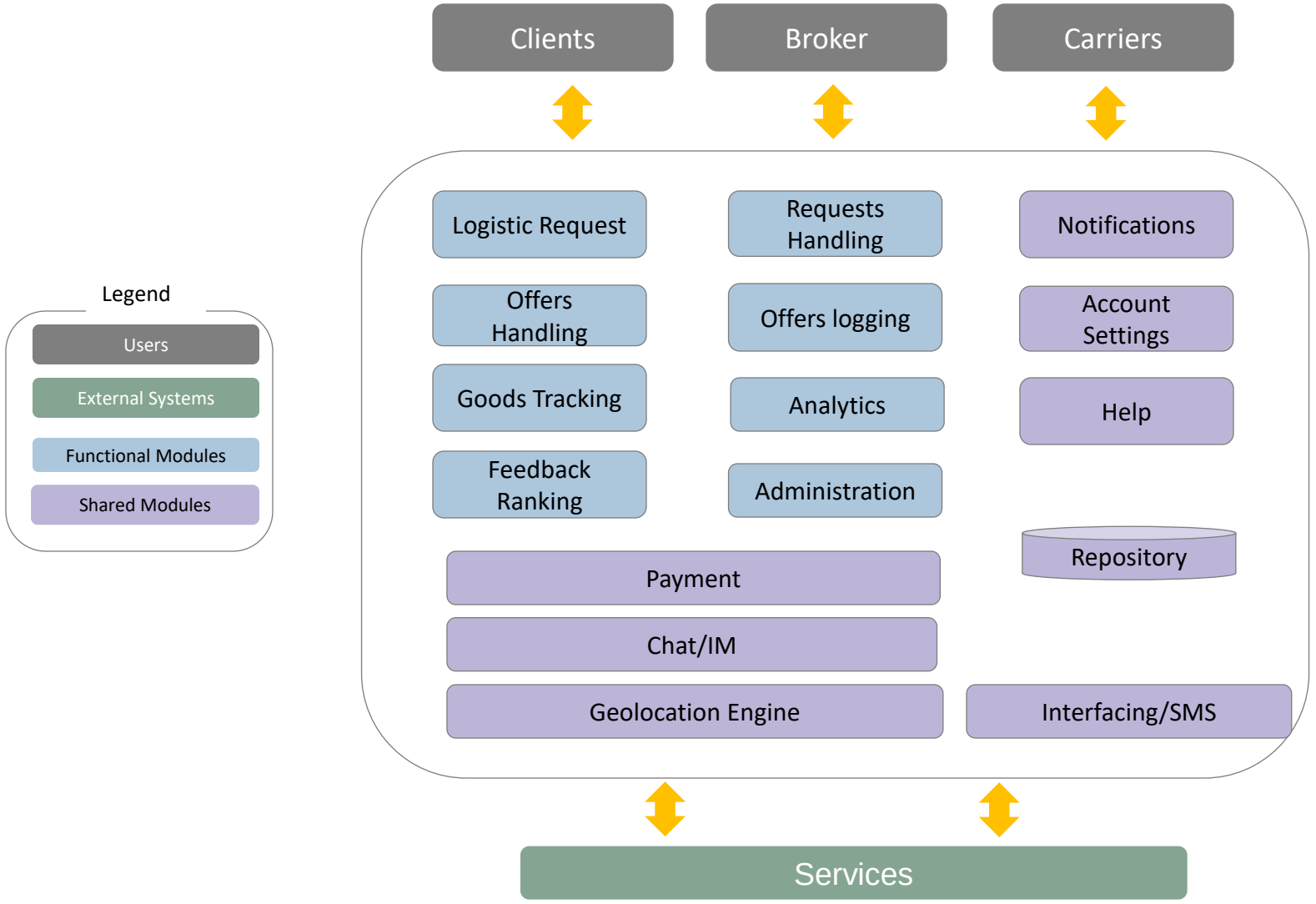
Stakeholders Analysis

Stakeholders Chart

Carrier Companies
- Small, medium and large companies that offer Logistic transportation services :
  - Several vehicles and drivers
  - Single vehicle - one driver
	Clients
	- Individuals & Companies that request Logistic transportation services

Services - Payment - Chat - SMS - Geolocalisation	**Brokers** - Individual or companies that can act as an intermediary between the client requesting the service and company providing the service

Functional Architecture



Functional Requirements

Use Cases

Logistic Request

- Clients can log a logistic transportation request
  - If the request is urgent then it is broadcasted to nearby Transporters
  - If the request is not urgent then it is published in the requests listing

Request Handling

- Transporters can search logistics requests
- Transporters can choose to respond to a request with message to the client and an offer

Offers Handling

- Client can receive offers notification
- Clients can view offers and the profile of the transporter
- Client can respond to an offer with a confirmation message or for more information

Offers logging

- Transporters can logs offers for logistic on availability (calendar date and time)
  - Clients can search for offers

Functional Requirements

Use Cases

Goods Tracking

- The transporter company has the possibility to track the fleet by:
  - Fleet Geolocation (5 min precision)
  - Chat with one or group of fleet
  - Setting and getting notifications for deviations from route
- The Client has the possibility to track the fleet by:
  - Fleet Geolocation (5 min precision)
  - Chat with the driver or the company

Feedback/ranking

- Client can provide a feedback/ranking of the service and the company or the driver

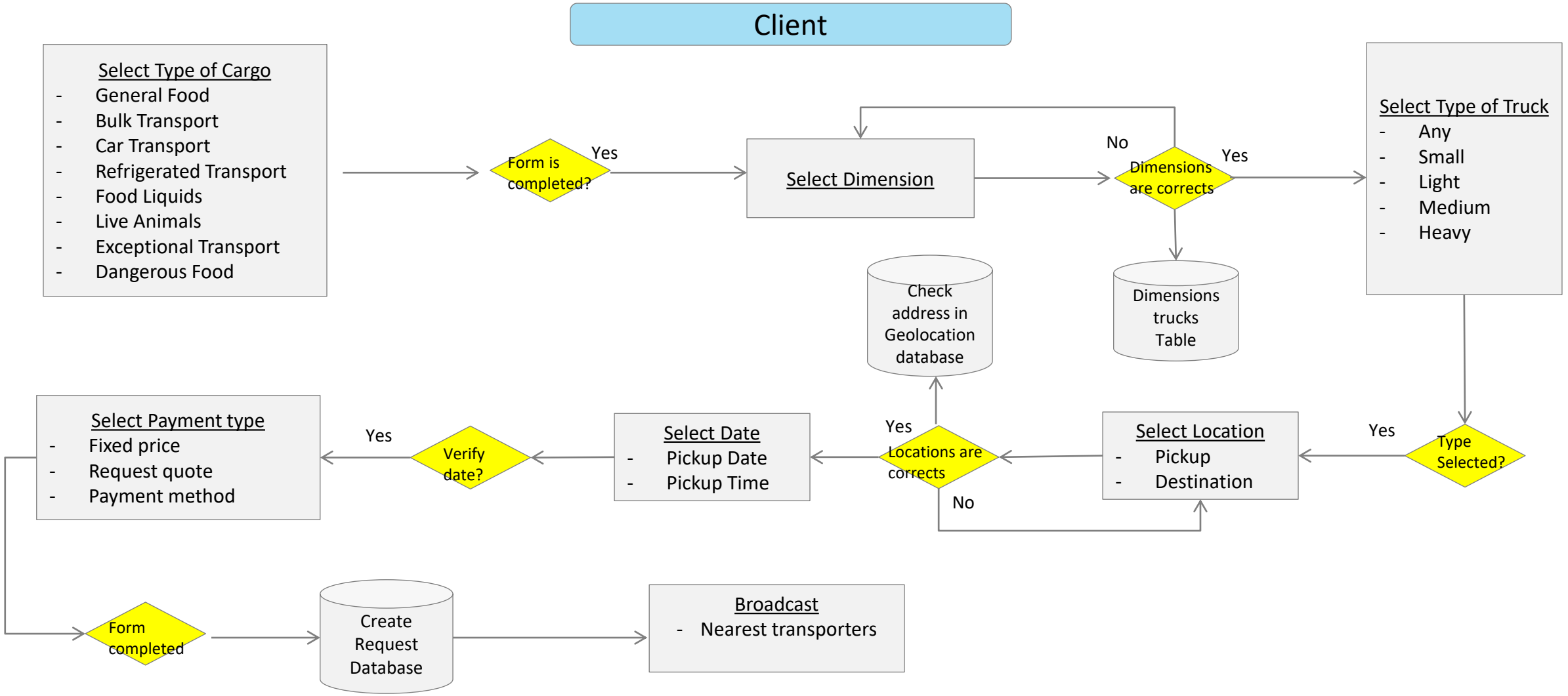
Analytics

- The transports company can get reports and statistics on:
  - Historical data from similar trips
  - Added collections of goods on the route
  - Free load capacity in each vehicle

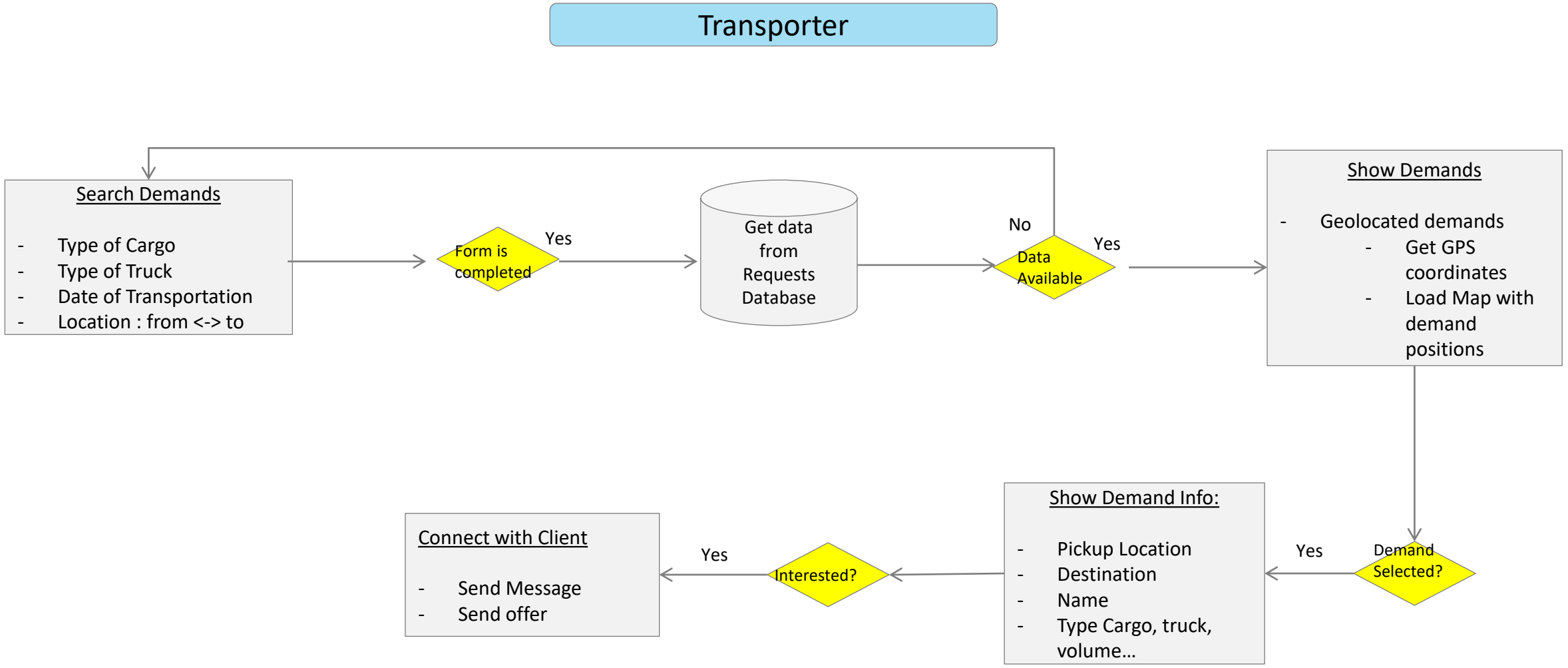
Administration

- The transport company may want to control the access to the fleet

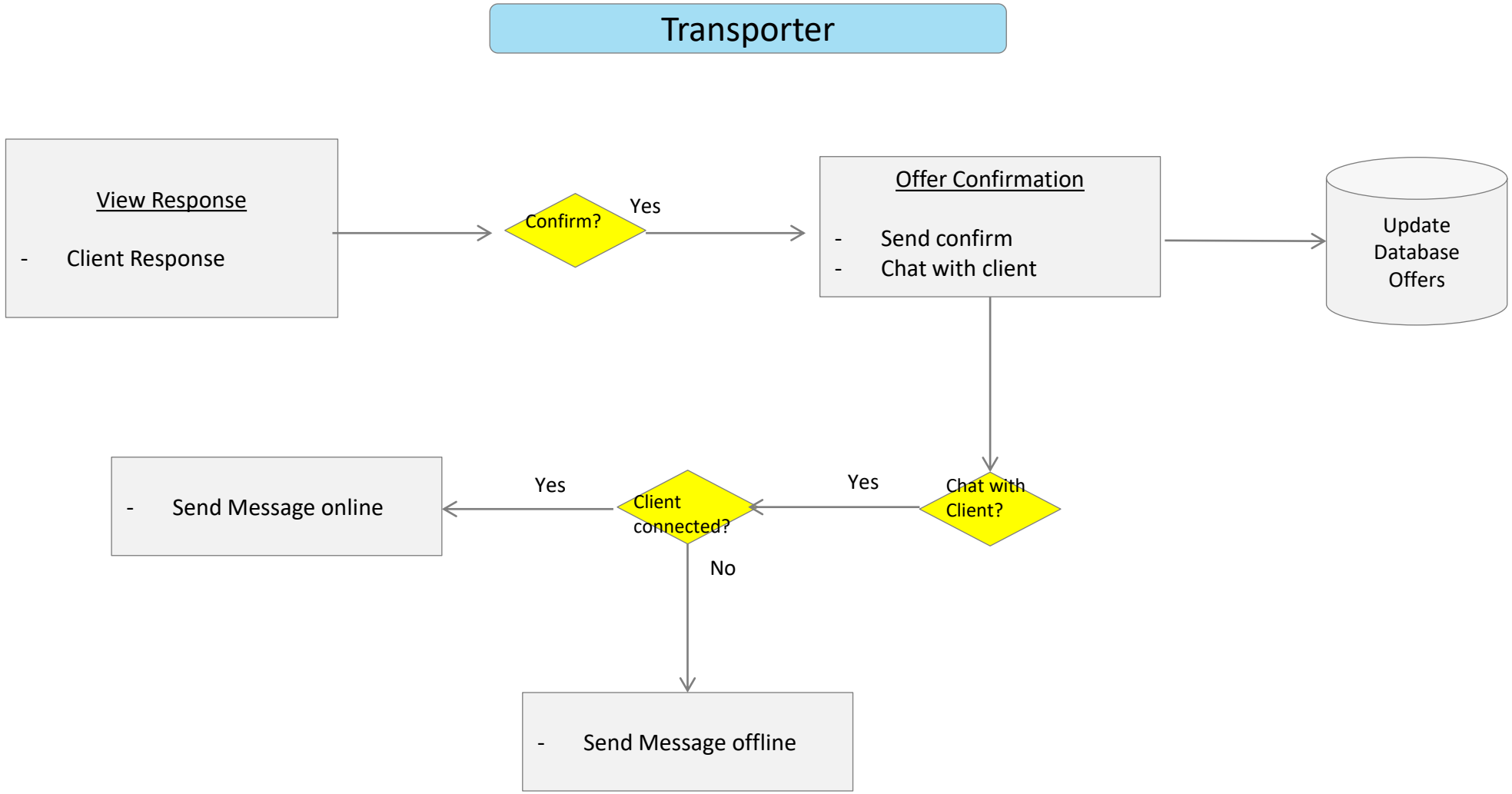
UC- Client Creates Logistic Request



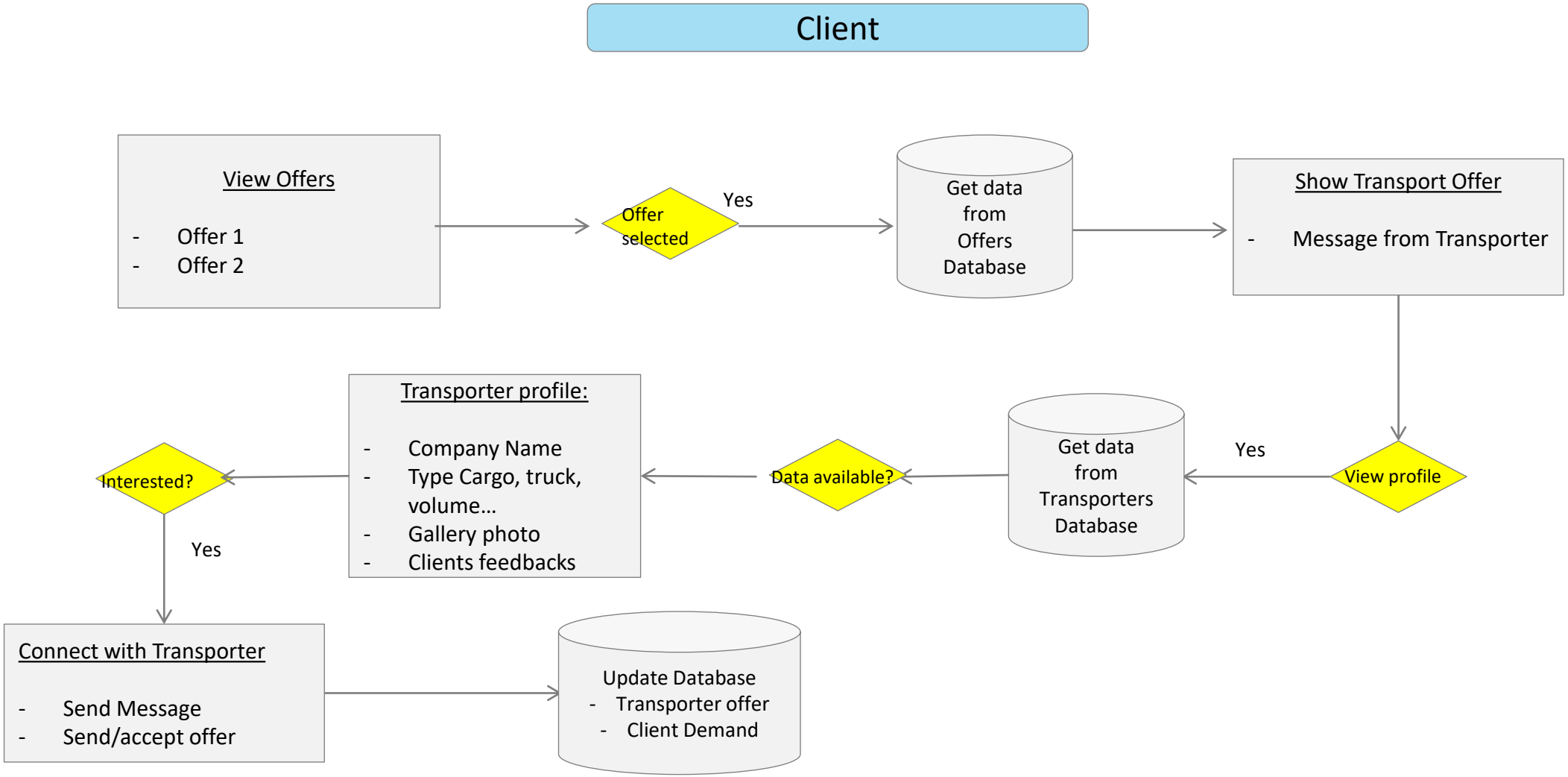
UC – Transporter Request Handling



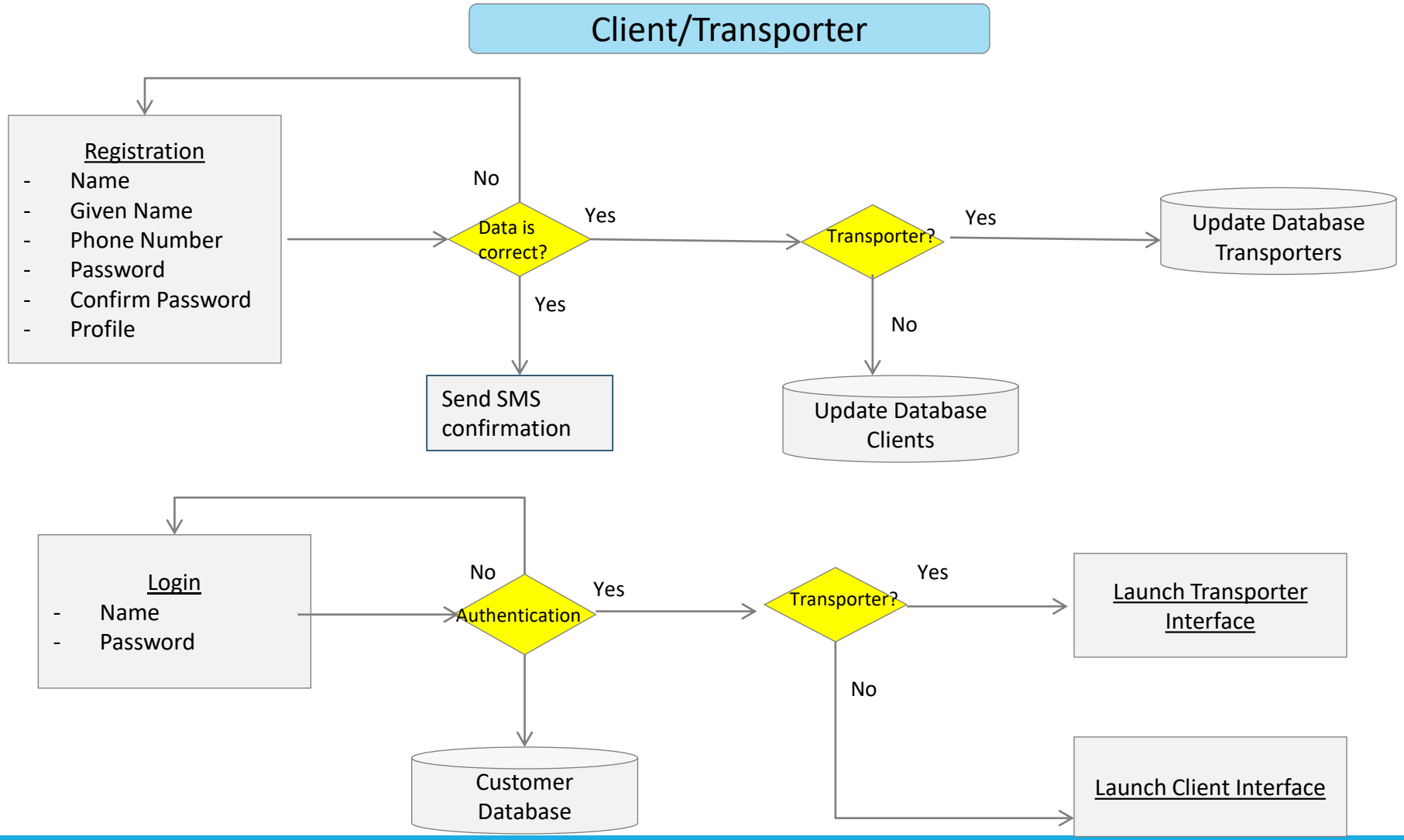
UC – Transporter Request Handling



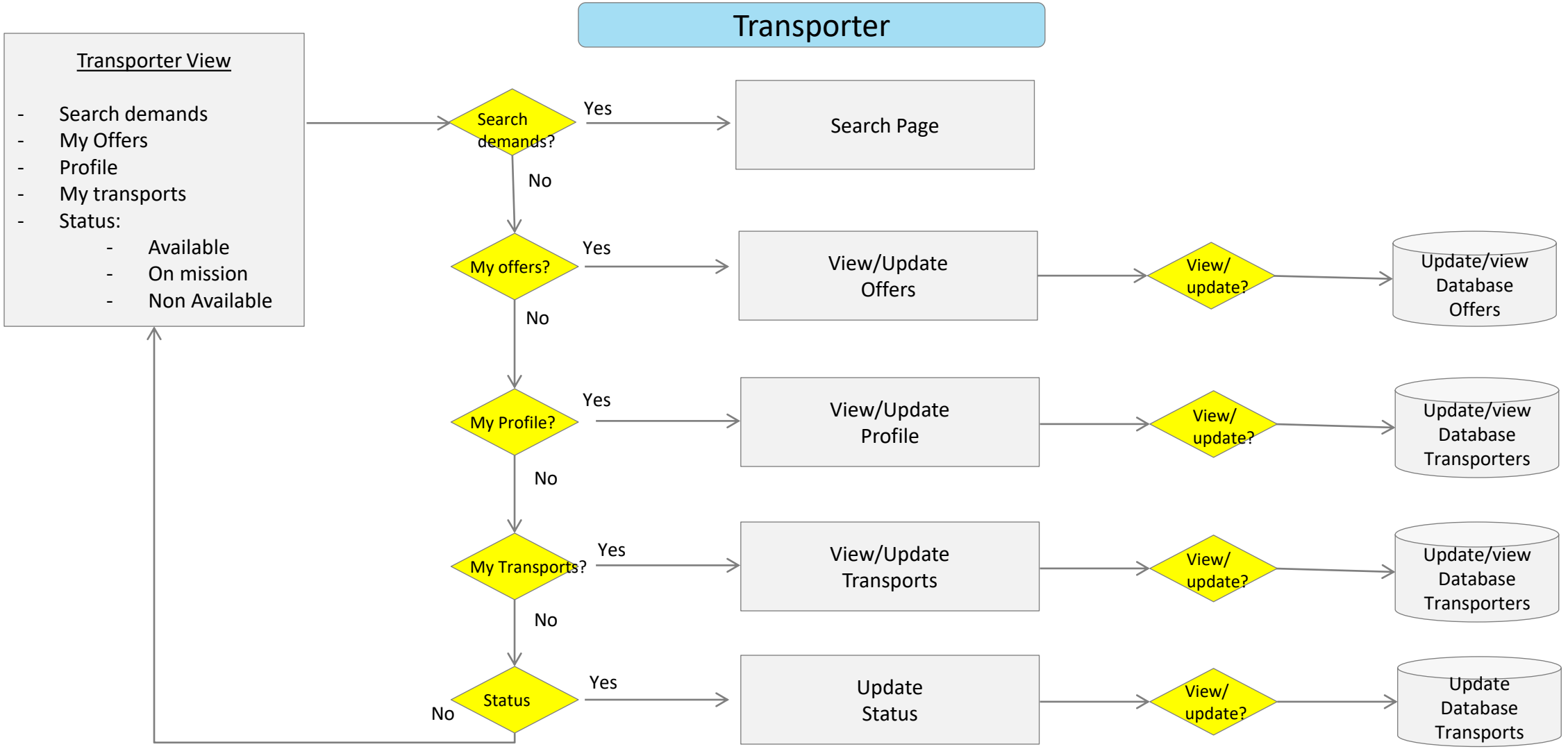
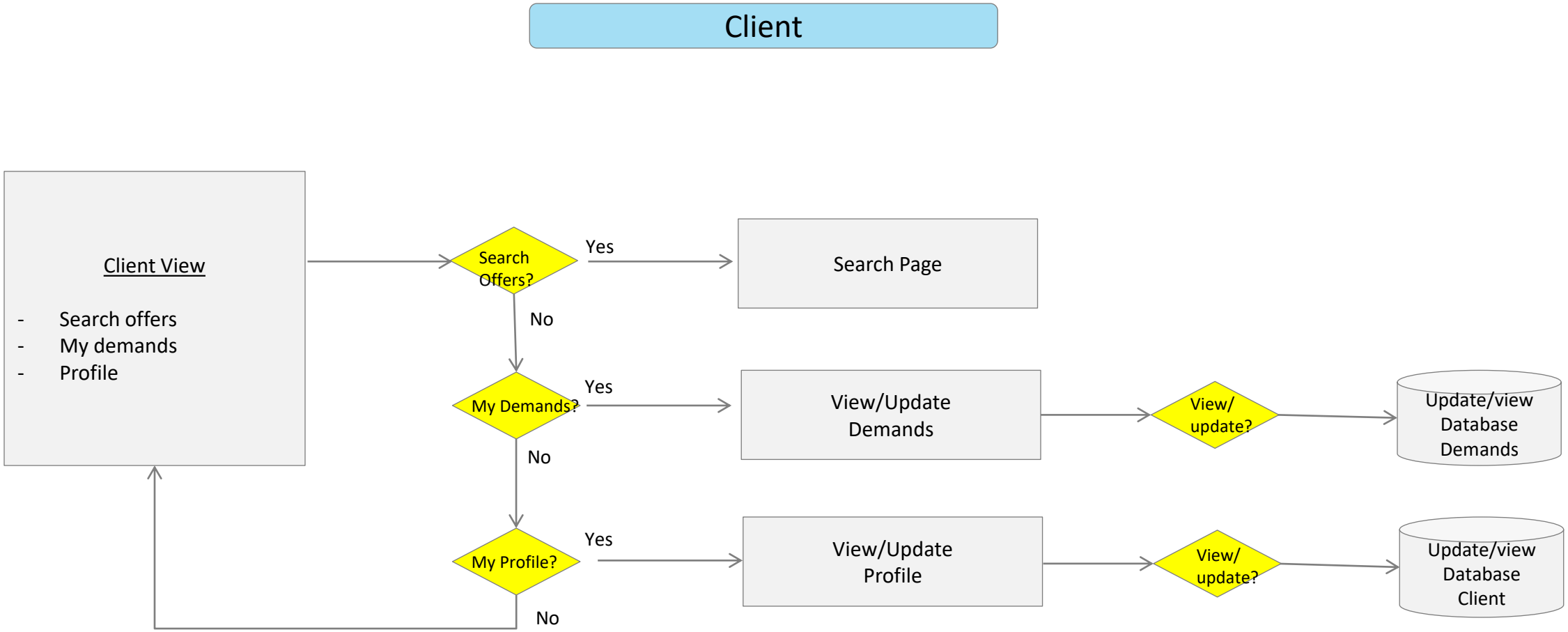
UC – Offers Handling



UC – Account Settings



Account Settings - Transporter View



Account Settings – Client View