

Optimal route determination through transportation conjugation

Engenharia de Requisitos de Sistemas de Software



Problem

- Tourists and locals' difficulty in establishing a route between two points due to lack of:
 - Knowledge of the area;
 - Awareness of the public transports available;
 - Knowledge of the time schedules of public transports;
 - Knowledge of possible connections between transports.
- Increasing concern about air pollution and frustration related to heavy traffic on the streets.

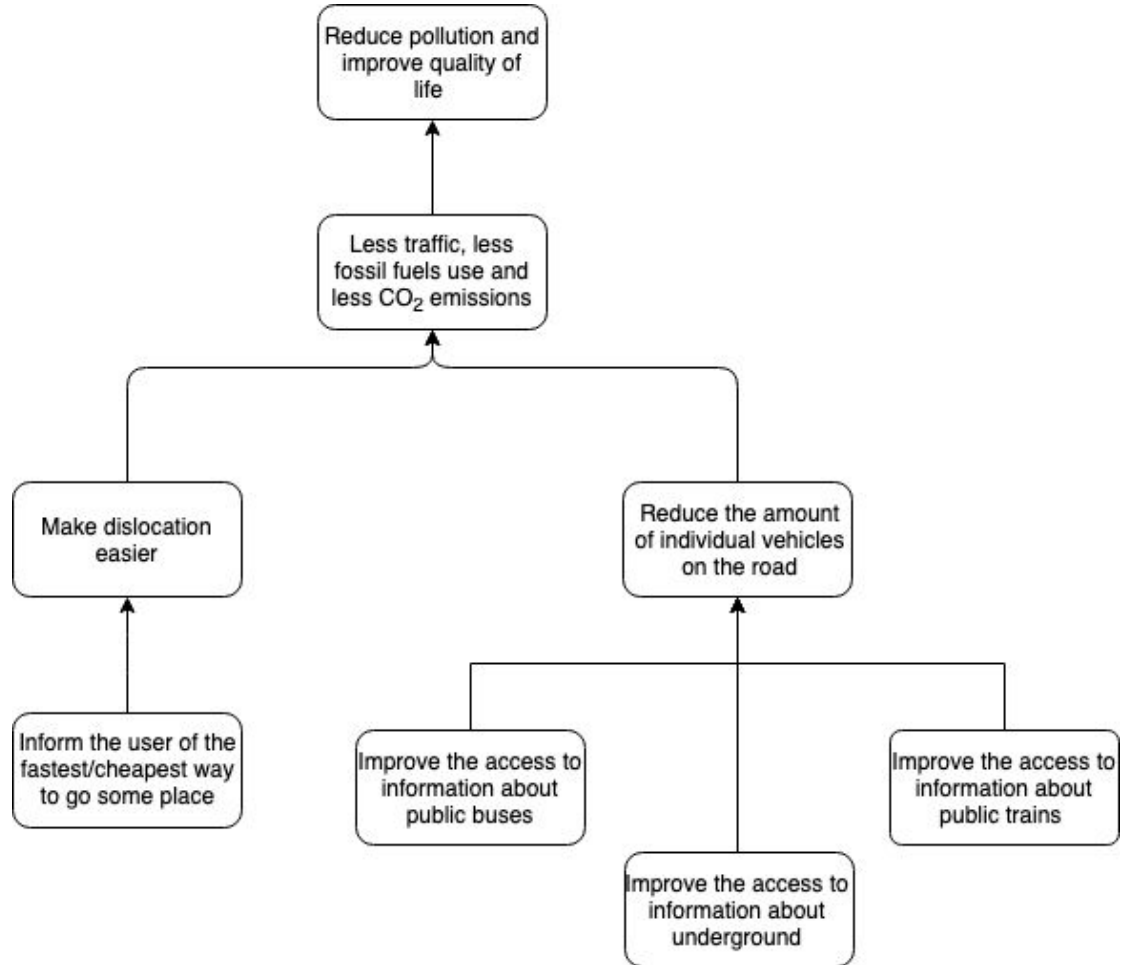
Context

- Subject facet
- Usage facet
- IT System facet
- Development facet

Vision

Creation of a product with **real environmental impact** and that becomes the common citizen/tourist's first choice.

Goals



Functionalities

- Give information about **time schedules** of the various public transports;
- Give information about the **routes** of the various public transports;
- **Track the real-time position** of the various public transports and display it on a map;
- Give information about the **real time to wait** for some public transport;
- Give information about **prices, promotions, ticket combos** available for each public transport;
- Give the **fastest/cheapest/most practical route** using specific transports.

Techniques

Elicitation

- Questionnaires;
- Focus groups;
- Direct observation.

Negotiation

- Creative solution;
- Decision.

Documentation

- User stories;
- BPMN.

Thank You