

Name of the team

Bar Router

Team and responsibilities

Ville Rissanen (Lead)

Allaey Simon Xavier (HTML5 developer - Integration architect)

Gromov Niina Katriina (User Experience Specialist)

Seppo Erviälä (HTML5 developer - Application Architect)

List of github accounts

<https://github.com/inopia>

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Description

HTML5 based reittiopas application with location search extensions.

Key use cases

Standard reittiopas use

Feature: search

- In order to get around the city

- As a user without car

- I want to get a public transportation route to specified location

- Scenario: Searching with address

 - Given I enter a valid address

 - Then the application should detect my current location

 - And display list of routes

 - And the routes start from current time

 - And the routes are from current location to entered address

 - And I can view a map of the route for selected route

- Scenario: Searching with business name

 - Given I enter a business name

 - Then the application detects closest locations of that business

 - And works as in first scenario

 - eg. Instrumetarium

 - eg. Bar Geronimo

- Scenario: Searching with description

 - Given that I enter description of business type and location

 - Then the application detects closest locations that meet the criteria

 - And works as in the first scenario

eg, bar, Helsinki
eg, restaurant, Espoo

Scenario: time of arrival / time of departure

Given that I indicate that I want to be at a place at certain time

Then the application should work as in prior examples

But the routes should arrive before given time

Scenario: Modify detected location/ different starting location

Given that I the location was not detected

Or I want to change the detected location

I can enter a different starting location

List of client/server technologies

HTML5 Geolocation: <http://html5demos.com/geo>

Reittiopas API: <http://developer.reittiopas.fi/pages/en/http-get-interface-version-2.php>

OpenStreetmap API: <http://wiki.openstreetmap.org/wiki/Develop/Frameworks#Webmaps>

HTML5 Application Cache

Target devices

The system will be developed with Opera mobile due to excellent Opera mobile emulator but our intention is to make the user experience work on other platforms too.

How it full fills the 3 assignment criteria

HTML5 key API:

- local data storage for caching
- canvas for displaying map

Mobile device features

- GPS for location

Client/server communication

- REST for reittiopas API
- REST for openstreetmaps
- REST for location search extensions