1. Introduction

SpotScore aims to be a location intelligence web service for different end-user applications that could benefit from location insight, such as real estate portals, travel apps, business intelligence tools.

Notable examples of end-user applications that use spatial data to support location dependent decisions:

- [https://housing.com/dsl/heatmaps/mumbai/cfi](https://housing.com/dsl/heatmaps/mumbai/cfi) (Displays “child friendly” places in Mumbai)
- [https://housing.com/in/rent/mumbai/mumbai](https://housing.com/in/rent/mumbai/mumbai) (Every listing has a calculated “lifestyle” rating based on surroundings)
- [http://www.flaviogortana.com/isoscope/](http://www.flaviogortana.com/isoscope/) (Shows how far can you get in particular time from one point to any point)
- [https://www.google.com/get/sunroof](https://www.google.com/get/sunroof) (Calculates how long is the break-even time of solar panels in a specific location)
- [http://teleport.org/](http://teleport.org/) (“Discover the best place to make more, spend less and live happy” and more)

SpotScore will provide a web API to make using spatial data easier and more powerful.
2. Technology

We will use data from https://www.openstreetmap.org, have it in MongoDB, make calculations in Node.js and serve it RESTfully to clients.

3. Project goals

Project goals will be confirmed in cooperation with the team. We’ll do it in agile style.

It would be nice to develop a demo client app which shows for a current location a list of surrounding objects with distances.

4. Conditions

All source code produced during the "Software Project" should be licensed under Simplified FreeBSD license. SpotScore’s code will probably be published in Github.

5. Contacts

Lauri Liivamägi (https://www.linkedin.com/in/lauriliivamagi, lauri@relion.info, tel. 5347 3034)

Kemo Oolep: (https://ee.linkedin.com/pub/kemo-oolep/7b/210/253, kemo.oolep@gmail.com, tel. 5865 2047)