

Open data for Lappeenranta restaurants and customers

Group 6

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Need

- Lappeenranta is a border city between Finland and Russia.
- Many tourists come to visit either for fun or for business.
- There are many restaurants in the city, however, it can be very difficult for someone to directly identify and / or Access a place to eat when on such trips.
- Tourists need to have information about where and how to get food at a blink of the eye, thus the open data.

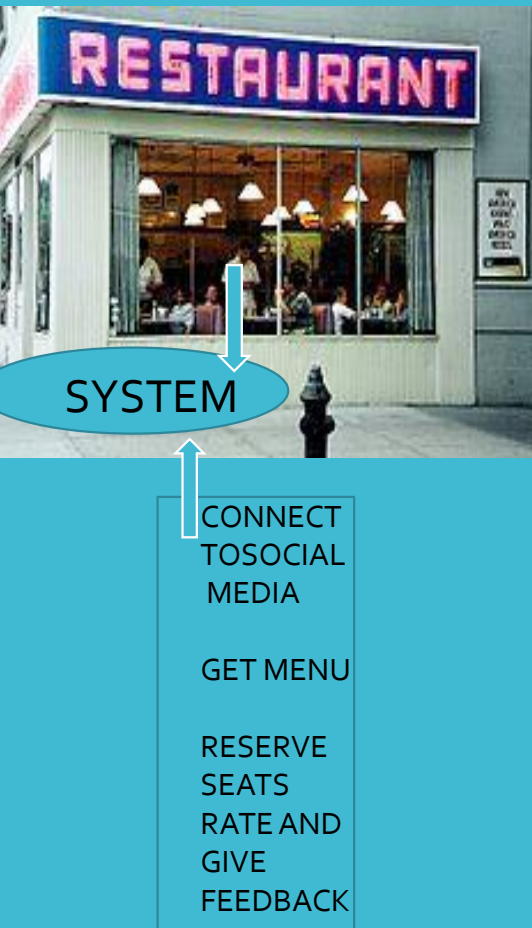
Approch

- Advertise through web page, bill boards, newspapers and brouchers from restaurants and travel centers.
- Restaurants update their sitting capacity anytime they are open to the system.
- Cameras or sensors are to be fixed to main entrance to restaurants which will automatically update to the system to give update of people present
- Create system for both Russian citizens and other tourist to Lappeenranta to interact to food service providers.
- Services will be free for all users.

Cost

System	Service	Salaries
Hardware	Cameras / sensors	System operators
Software	internet	
Website / app	intranet	
Mecillaneous	News papers/ brooches	

Benefits



- It will foster a cordinal relationship between restaurants operators in Lappeenranta and their customers. (Rating)
- Sales will increase for operators as well as convience in customers sechudule as they can book seat or check for opening times before moving to eat.
- It will help tourists to have an idea about eating places with a possibility of forecasting amount of people in the place.
- Will help create sustainable environments as restaurants will cut down waste if they know before hand an approximation of customers to be expected.

Feasibility analyse

- Product feasibility. For this analysis have made survey of 15 Russian tourists, which answered the questions about restaurants and how easy to find for them appropriate place.

The strength of the product by people evaluation:
-informative;

Suggestion for strengthening:

-to attache more restaurants to this system;

So, the rely on survey the product would be feasible.

- Market feasibility.

Industry attractiveness assessment tools

	<i>Low Potential</i>	<i>Moderate Potential</i>	<i>High Potential</i>
1. Number of competitors	Many	Few	None
2. Age of industry	Old	Middle aged	Young
3. Growth rate of industry	Little or no growth	Moderate growth	Strong growth
4. Average net income for firms in the industry	Low	Medium	High
5. Degree of industry concentration	Concentrated	Neither concentrated nor fragmented	Fragmented
6. Stage of industry life cycle	Maturity phase or decline phase	Growth phase	Emergence phase
7. Importance of industry's products and/or services to customers	"Ambivalent"	"Would like to have"	"Must have"
8. Extent to which business and environmental trends are moving in favor of the industry	Low	Medium	High
9. Number of exciting new product and services emerging from the industry	Low	Medium	High
10. Long-term prospects	Weak	Neutral	Strong

The market has moderate potential, what means that even the number of competitors few and the age of industry is young, the income is not high

Users

- Citizens
- Tourists
- Companies
- System admin (maintenance)

Open data requirements

- Restaurants need to give customer information for the system
- Restaurants need to update walk in customers to the system (similar to movie theater's seat choosing system)
- Restaurants need to open their reserve information to the system
- Could be used together with Team 1's infoLappeenranta application
- Busy time (lunch) the restaurants could calculate how many customers walk in
- Restaurants could show how many customers are in and how much is the total seats by means of sensors.

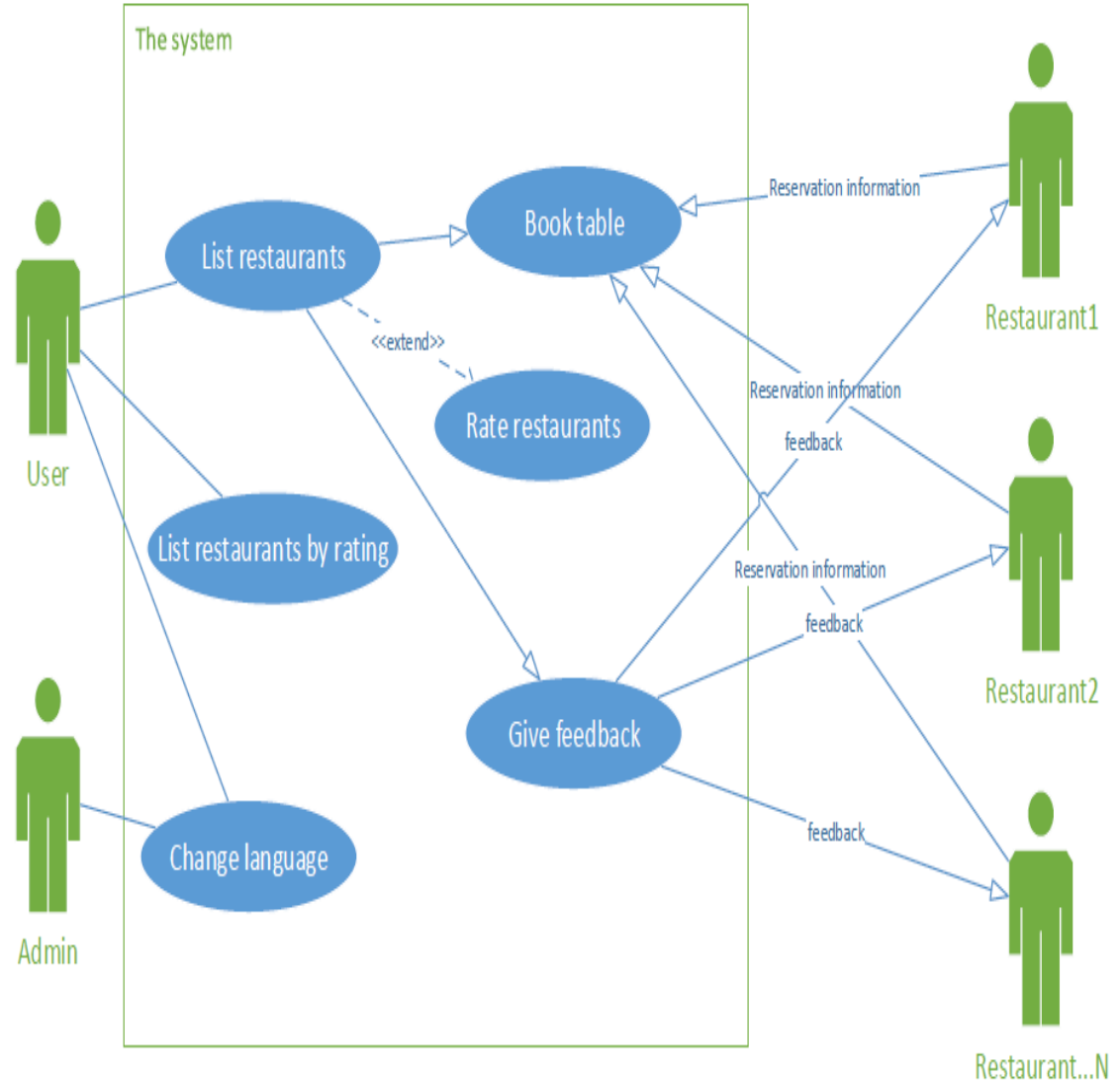
System requirements

- System has option to choose language
- System shows the list of restaurants using the system
- System updates the booking situation in every restaurant every minute

Functional requirements

- User can choose a restaurant and book a table
- User can navigate to the restaurants own webpage to see the menu
- User can choose language (Finnish, English, Russian)
- User can give feedback for the restaurant
- User can rate the restaurant
- User can see the quantity of customers in the restaurant
- User can list the restaurants by rating

Use case diagram



Thank you for your attention