



Project Proposal – Lunch Roulette

1. Introduction

Furice Family has been constantly growing and it has introduced new cultural challenges and altered the way we work. Many Furicians are working at client premises and meet others only on Fridays. New employees have had a hard time mixing with others and not everybody knows each other making knowledge sharing harder. To answer these concerns the employees came up with an idea to offer a low-threshold medium to meet more colleagues by matching them to small groups to go and have lunch together.

Furice Exponential is a program that researches and develops technologies and solutions which aims to disrupt the knowledge work. This includes enhancing the existing ways of working or ultimately, change the ways work is conducted on a deeper level. At Furice, we believe knowledge is created through people interacting with each other, or, through the social construction of new knowledge. Therefore, our aim in exponential is to support in achieving meaningful social interactions across the organization.

Lunch Roulette is developed in collaboration with Furice Exponential and by their current research on social network analysis within Furice. As part of the research, we've been analysing the digital footprints of our employees e.g. project allocations, meetings and public instant messages and it gives us an understanding of who knows how within the company. Network models are enabling various types of intelligent matching and in Lunch Roulette, we are focusing on new contacts creation.

2. Project goals

The main goals of the collaboration project are to develop a browser-based mobile-first user interface for Lunch Roulette on top of existing backend services and an admin interface for round management.

User application requirements:

- Users can log in to the application
- Users are able to sign up for a new Lunch Roulette round

- Users can cancel their round sign up
- Users can receive their lunch buddies via the application
- Users can see how their data is used in terms of LR (Saidot API)

Admin application requirements:

- Admins can log in to the application
- Admins can create new rounds
- Admins can start the matching process
- Admins can remove and modify the lunch buddies after the matching is done
- Admins can see all participants before and after the matching
- Admins can manage and view previous rounds

In order to archive the project goals, the application needs to communicate with two existing systems: Lunch Roulette backend and Saidot API.

There's also a possibility to develop the matching algorithm and/or the existing backend further.

3. Technologies

- The solution should be a browser-based application.
- Students can affect the technology-selection, however, React is highly recommended.
- Futurice offers expertise and help with web technologies used to build the application.

The Lunch Roulette backend is developed using the following frameworks and technologies: Docker, Node.js, Express, Typescript & Postgres.

4. Requirements for the students

- The students should be familiar with web development basics. No further experience with React is required but preferred. Experience on any of the following: Docker, Node.js, Express, Typescript and Postgres is a plus.
- All code, documentation and presentations should be written in English.
- The team should be familiar with and adopt best practices in version control, including branching, pull requests etc. Github is the required service for storing the repository.

Otherwise, we hope for commitment and passion for the work at hand. The scope of the project is flexible and can be adjusted based on the team's previous experience and motivation.

5. Legal Issues

Intellectual Property Rights (IPR):

The results will be owned by Futurice and published under an MIT open source license, with due attribution to all contributors.

A non-disclosure agreement (NDA)

Signing the NDA included in the Aalto's contract template is required.

6. Client

Futurice

Futurice is a digital service house that has offices in Helsinki, Tampere, London, Berlin, Munich, Stockholm and Oslo. We employ over 500 experts in the fields of software development, design, and business. Our main focus is to help our customers grow their ability to work and thrive in the digital era.

Futurice offers personnel to guide students during the course. Sprint plannings and demos can be held at Futurice's office.

Client representative(s)*

Product Owner

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7. Additional information

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