Tae (working name)

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Overview

Tae is a social run-matching app. A project to help runners team-up, run together, and to push each other to create a more social and positive environment to run in, no matter their skill level.

Tae collects data about your runs, your goals, your region and your schedule. It uses the data collected to match you with running groups and individuals that match your level of ambition and fitness, to help you reach your next goal and level while meeting like-minded people in your area. It can be used not only by people who want to run with new groups, but also by people who want to meet new friends through running.

You can join either running groups that are more loose and great for keeping your tempo up, or match with one individual to get the ultimate running-partner.

Project Significance

We think this is a significant project as it encourages running in an age [where we sit still more than ever](). Getting out to run is good for both your health, but it can also be good for your social life. This project can help people take the first step to a healthier lifestyle, or just meet new friends doing something they already love. If we can connect a couple of new friends, or just motivate one person to start a new healthy habit, we think the project has had a significant impact.

Project Application

The project application will be a phone app written in C# using Xamarin. The app will use a MySQL database to log and store users submitted runs, help users to match each other based on their information, and keep track of regions where users usually run.

Database Structure

The project would require users to sign up, create a profile and add data about their region, running distances, running times, dates when they've gone for runs (to calculate their schedules) and also separate goals category where they can enter their next big race, the distance of that and what their goal time is. All of this data will be used to find correlating entries in big tables, and help users connect to each other.

We expect to need tables for:

- User profiles (Username, Password, Region, Gender, Profile picture?)

- Region (Put several ZIP-codes into same "region" to increase matching, or use GPS signals and radius to find nearby potential groups / matches)

- Running profile (A profile consisting of running data)

- Goal Profile (Goals, next important date, desired pace, run-type)

- User-Goal-Running (Connecting the profiles depending on each other into one table)

- A table for "Circles" (this is an entity that connects users - It has a name, limit on # of people, creator, private/public tinyint, expected pace)

- A table for runs (This is where circles can schedule runs for their members)

The Joint-user profiles would contain foreign keys linking Running profile and goal profile to a User profile. They should still be separate tables because different parts of the application would need different information.

Questions to be asked by the Database

The database for our project will be used both actively by the application (to match runners together, or keep track of running circles), but it can also be used to extract data from the users and answer questions about the users. When do most people

run? Is one area not popular for running? Is there a crucial drop-off point after some date, where users stop running? Can we help users to keep up with the app until it becomes a habit that seems to stick?

Plenty of questions can be answered, and hopefully they can be useful to, at the very least, understand how to further develop the app so that it becomes the best it can be.