

## **Project Description**

The purpose of this project is to create a database to store log information for the Track and Cross Country teams. This primary information will be held in a User entity type. The types of information to be held will include individual data, such as

- Individual race/event results
- Workout logs
- Running logs
- Cross Training logs
- Weight training logs
- Etc.

Basically, all of this information can be represented in a highly structured object oriented data model, where each 'log' type can be extended with predefined attributes, and user defined attributes. The individual log data will of course have to be extensible so that extra activities such as other race/event types, and other custom logs, can be created by either us or the end-user.

Naturally, this means that we must store custom user-defined data somewhere on the database and relate it back to the data.

Furthermore, each of these individual results will of course pertain to a specific user, so each user can have their own results and logs. However, we would also like to allow users to be a part of a group, or multiple groups, so that information may be shared amongst them. This will require

- A group entity
- Group / User relationships
- Any other special group attributes that we can think of later

Users should be able to create groups and join groups. The groups can be password protected so that only authorized people can join, and administrators of the group (a list of people with admin rights) should be able to kick people or promote people.