

The track team manager is a web application used to help teams organize their rosters and coaches.

Initially I thought all I'd need was two tables: coaches and athletes.

But then I had to take a closer look at ALL the information we would need to fully describe a track team.

I started off by extending 'upwards' and adding a trackteam table. Every track team can have many coaches and many athletes, each of which can only belong to one trackteam.

One track team, Many Athletes. One track team, Many Coaches.

By adding this table we are now able to create many track teams.

A coach is able to coach many athletes, and an athlete is also able to work with many coaches.

EXAMPLE

The decathlon is track discipline that covers 10 different events. If James is a decathlete, he would have several coaches to help him train for the variety of events

Kathy is a coach at a small track club in Brockville. The club is small, but growing. Athletes would love to try a variety of events, so in turn Kathy is not responsible to coach several different events.

When viewing an athlete, we'd want to see the details for each athlete like Name, Age, Gender. These would be directly connected to the athlete table. There is the idea of age categories in track and field. Depending on the age of an athlete, they would be placed in a category, like u16, u18, u20 or Open. We would also want to see what disciplines and which coaches an athlete works with.

When viewing a coach, we'd want to see which disciplines the coach coaches and which athletes they coach.