

### Project 3 Phase 1:

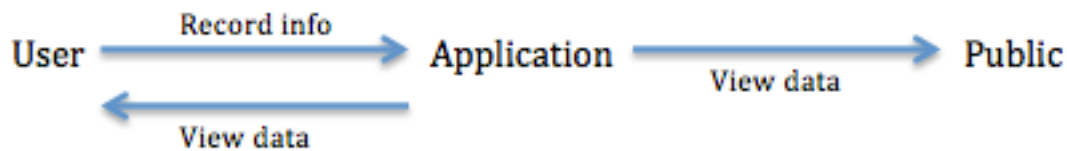
This was completely redone after we were alerted that our project wasn't quite up to par after the 2<sup>nd</sup> phase. We essentially started from scratch and therefore I redid this.

#### Purpose:

- Track workouts – sets/reps
- Motivate workouts - leaderboard
- Share/Compare workouts – other users can see/look at other users workouts

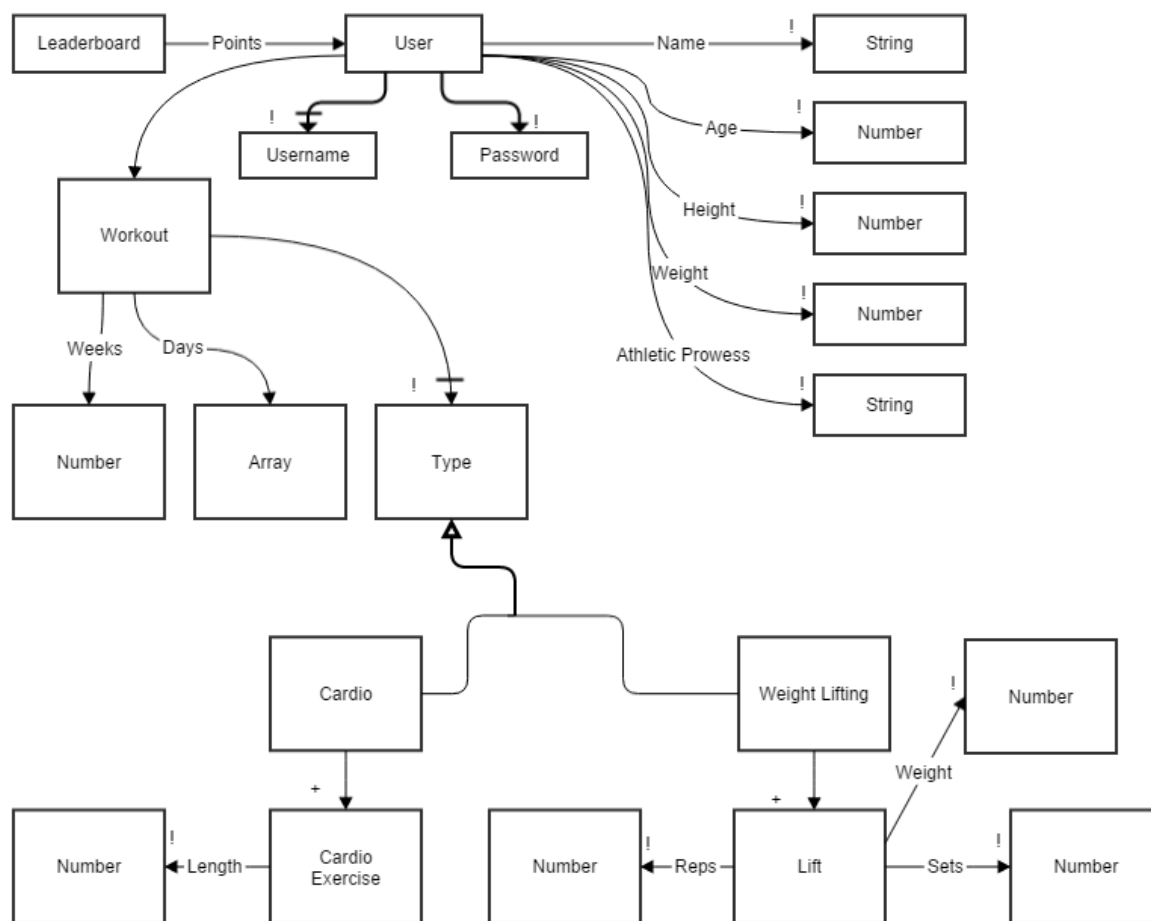
#### Context:

Users are the external agents that input and observe data on the website.  
The public is also able to view data on the application



#### Concepts:

- Workout - this can be used to track workouts over time
- Performance - statistics of a workout can be shown over time
- Leaderboard – users can show their results to other people for motivation



## Challenges:

(Now done in retrospect)

Many of the challenges that we faced had to deal with the data model. Originally this was our data model and it was killer complicated. At first it doesn't look so bad, but when trying to implement the data model it becomes increasingly difficult to work with and eventually became our downfall. We eventually changed the entire data model so that the structure wasn't quite as nested and we simplified the overall idea. The final result was a data model that was significantly easier to work with and we were able to implement it with much more ease. Additionally it made much more sense to work with and the data model had a much more intuitive feel to it.

