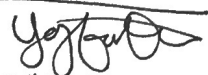


Approved by   
Finalize ER Diagram  
Don't make too many entities  
Stay around 7.

## Description of Application

The application is will have three focuses:

- 1) Allows users to select fighters and get back a table/view of their current stats (wins, loss, height, etc).
- 2) There will be toggles to choose the matchup ie UFC 89 where users choose the tournament and get back a list of all the match ups and results from the fight.
- 3) The highlight of application will allow users to select two fighters within the same weight-class and predict who would win a match up as of today with a confidence interval (using some statistical model in the backend).

## Overview of Entities/Relationships

We will have 7-9 entities in the application for example: players, fights, coaches, weight classes, injury status, etc. The relationships will also be similar in number. For instance, players to coaches is one-to-one, while players "belongs\_to" weight-class is one-to-many.

## Data Sourcing

We will use public available data from ufc.com. There are available XML datasets online by weight class. If data is missing or incomplete, ufc.com has historical data that we can scrap directly from.