

Vision document - Sports performance analysis application

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Overview

The goal of this project is to develop a sports performance analysis App which would allow people to analyse sports performance data(training,game data) and provide relevant visualization and relevant feedback to coaches.

User should be able to select a football team to be analysed,which key performances user would like to measure(shots,pass accuracy,distance covered by individual players,tackles,saves).Users should also be able to view live stats of the match such as(ball possession,shots on target,total shots,fauls,yellow cards) and also analyse individual player performances in game or in trainings to provide sufficient information for managers for player development.

All these statistics would be displayed to the user in relevant visualization using graphs and charts.

Target audience

The application will target anybody who owns smart phone or computer with internet connection.It will target people who are interested in football or people working as part of football clubs such as managers,assistant managers.

Problem

In any sporting situation, especially team games, it is difficult, if not impossible, for coaches to notice and remember all the key events occurring within a training session or match, equipped only with their knowledge of the sport in question

and their innate powers of observation.

Solution

This application would solve above problem by analysing each training /game in detail and provide enough information for managers to analyse players in detail and to improve their performances as well as analysing game itself.

Platforms

Possible language used for the front-end(client side)part of the application would be javascript,html,css most used languages for client side applications.

Back-end(server side)part of the website would be implemented using python because of its strong support for web application development.

The application will require to use parser to get all the data for analysis.To parse data python could be used with use of library such as (lxml,beautiful soup) either to parse xml or html files.

Both computer and mobile version of the application will be released.