

**GEBZE TECHNICAL UNIVERSITY**  
**COMPUTER ENGINEERING**  
**CSE 222 / 505 – SPRING 2020**  
**GROUP 11 – PROJECT PROPOSAL**

### 1. Group members

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### 2. Problem definition

A software system, that organizes and keeps the informations for different countries about soccer, will be designed. This system has users from different levels such as Federation President, Club President, Coach, Player, Employees etc. The Federation will be the highest foundation in the country in this system. This foundation organizes the league. There must be teams to talk about the league and there is a Referee Committee works for the federation. There can be different amount of teams in different leagues and federation assigns the referees to matches. In every team, there are so many types of employees such as Players, Coach, Club President, Health Personnel etc.

In this system, Federation and Clubs Presidents have permission for adding, removing and adjusting the other things. The Club Presidents can add and remove player and Club Committee can change the president and coach. The Federation President can assign the referees to matches and federation committee can change the president and adjust the date of the matches. Within the federation and clubs have committees that can change their presidents.

### 3. Users of the system

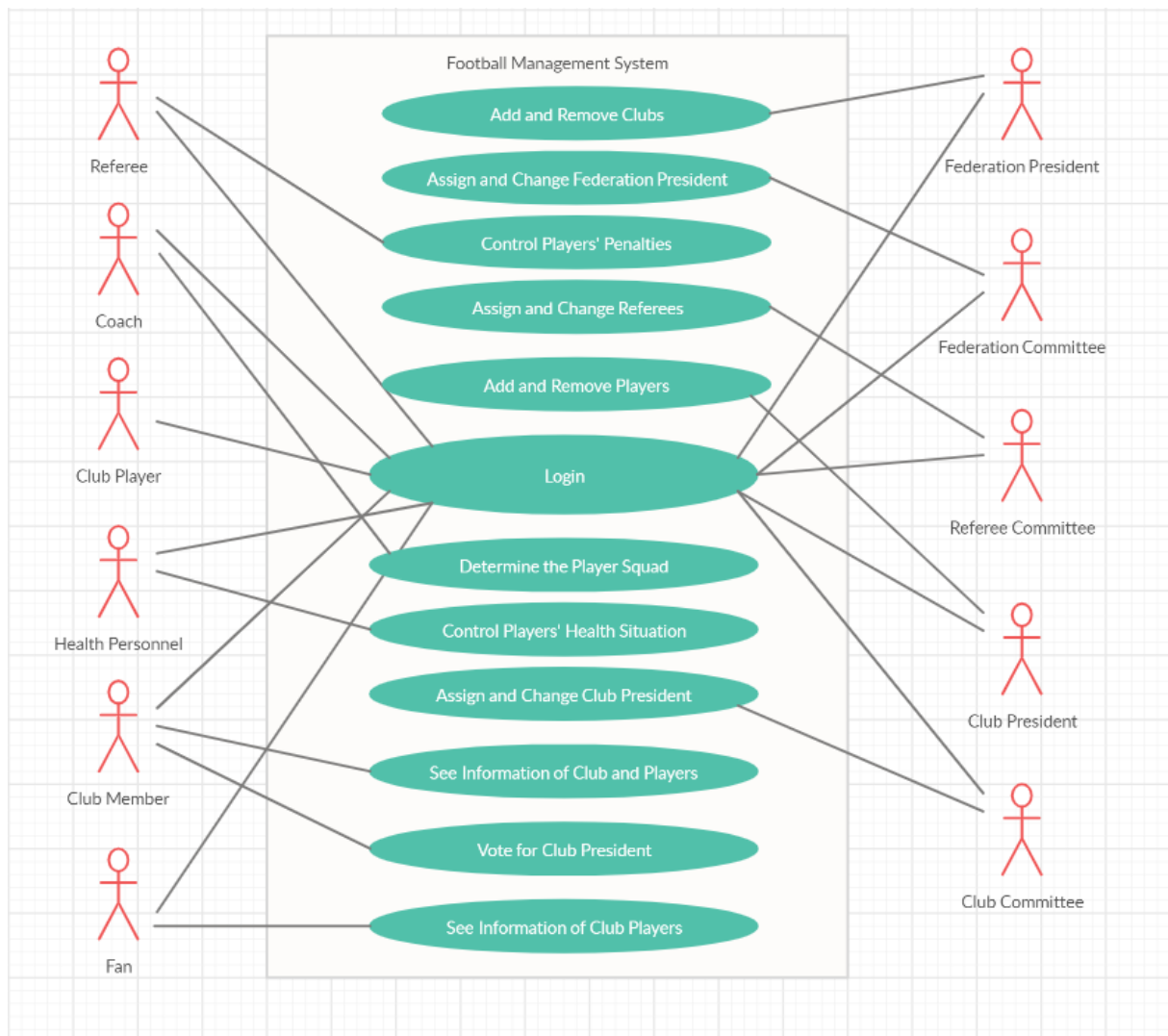
The system users with their main works.

Users	Main Work
Federation President	Add and remove clubs.
Federation Committee	Assign and change federation president.
Referees	Control players' penalties.
Referee Committee	Assign and change referees.
Club President	Add and remove players.
Club Committee	Assign and change club president.
Coach	Determine the player squad before the match.
Club Players	
Health Personnel	Control players' health situation.
Club Members	See information about the club and club players. Vote for club president.
Fans	See only information about the club players.

## 4. Requirements (detailed)

In this software, we firstly have a login page in order to authenticate the user. After the verification process done, firstly we have a main page to see standings of football clubs for a football league which user chooses and changes easily by navigating between countries (Football Federations) and football leagues. Then we have a page for tracking all the matches played and will be played in the latest football season. For the ones that already played, user can see with how many goals did the match finish. There will be another page to see all the information with details of a football club such as football players, stadium, club president etc. Also the program will have another page to see detailed information of a football player such as speed, agility, strength of the player which is opened when pressed on a player in the program. Finally there are pages for Federation President to add and remove clubs, Federation Committee to assign and change federation president, Referee Committee to assign and change referees, Club President to add and remove football players, Club Committee to assign and change club president which help to keep the program up to date.

## 5. Use-case diagram



## 6. Module diagram including system modules and their interactions (high level design)

