## Main Actors:

* Unregistered user: the user with the lowest privilege level. Can only login or register.
* User: the normal user of the application that can do the basic interaction.
* Admin: the administrator of the application that has complete interaction with it.

## Functional Requirements:

* An unregistered user can register and login to the application. It is mandatory to do the login operation in order to use the application.
* A user can view the list of players (footballers) available in the game.
* A user can view a player’s page and his statistics during the week. (Rating, number of goals, number of assists, etc.)
* A user can search for a specific player. (find by name)
* A user can view the collection of players obtained in the game. (rosa)
* A user can edit or delete his account.
* A user can search a user’s profile. (find by name)
* A user can view another user’s collection of players.
* A user can decide the player’s formation for the next week. (schierare formazione)
* A user can view the global ranking for the current season.
* A user can make a public trade request in order to trade a player his collection with another user for another player (duplicate of players are allowed to be received). There are not limits to the player’s collection size.
* A user can view all trade request.
* A user can search a trade request by player offered or requested.
* A user can cancel a trade offer previously made.
* A user can accept a pending trade request.
* A user can view the store page.
* A user can buy one or more packs of players. (one pack contains 5 random players)
* A user can buy a specific player.
* A user can discard a player and receive credits in exchange (this means that the player will be removed from the user’s collection).
* ~~A user can create a league.~~
* ~~A user can delete a league that he created.~~
* ~~A user can add or remove other users to a league that he created.~~
* ~~A user can view the leagues ranking for the current season.~~
* A user can login as an Admin. An Admin can do all the operations above plus:
  + An admin can edit or delete another user’s account.
  + An admin can cancel another user’s trade request.
  + An admin can edit the price for all the players in the store page.
  + An admin can calculate the results of the matchday.
  + ~~An admin can add or remove a user from another league. (?president)~~
  + ~~An admin can delete other leagues. (?president)~~

## Non-Functional Requirements:

* The application needs to be **consistent** to provide correct information to all the users.
* The transactions must be **monotonic**: every user must see the last version of the data and every trade request must be managed in the same order they are accepted.
* The password must be **protected** and stored **encrypted** for privacy issues.
* The system will be available 24 \* 7.