/FR10/ User Authentication:

- $\lambda$  Users must be able to sign up or log in to the application using a valid username and password.
- $ar{1}$  After enetering usernmame and password user will be authorized by his/her role either as admin, coach or spectator.
- /FR20/ User Registration:
  - $\ensuremath{lambda}$  During registration, users must provide a valid username and password.
  - $\uparrow$  Only spectators can register on the web site.
- $ar{\lambda}$  Optionally, users may be prompted to enter an email address for enhanced security measures.

/FR30/ Home Screen:

 $ar{1}$  Upon successful authentication, users will be roled as spectators and after that they can do operations granted to that role.

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    Admin:

         /FR301/ Create players
         /FR302/ Create teams
         /FR303/ Create events
         /FR304/ View created players
         /FR305/ View created teams
         /FR306/ View created events
         /FR307/ Update Players
         /FR308/ Update Teams
         /FR309/ Update Events
         /FR310/ Delete Players
         /FR311/ Delete Teams
         /FR312/ Delete Events
         /FR313/ Access user guidelines ("How to" section)
      /FR314/ View All Players
         /FR315/ View All Events
         /FR316/ View Players of the coaching team
         /FR317/ View events in which the team of the coach takes participation
in
         /FR318/ Coaches should be able to make players substitution
         /FR319/ View Score of the Active Event
         /FR320/ Access user guidelines ("How to" section)

    ↑ Spectator:

         /FR321/ View Players
         /FR322/ View Events
         /FR323/ View Score of the Active Event
         /FR324/ Access user guidelines ("How to" section)
/FR40/ Player Management:
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↑ Admins must be able to create players by providing first name, last name, and optionally, assign them to a team with a specified player number indicating the playing position.

/FR50/ Team Management:

 $\uparrow$  Admins should be able to create teams by setting a team name, assigning coach and adding players to the team.

/FR60/ Event Management:

Admins must be able to create events by specifying the event name, selecting two opposing teams, and setting the starting date and time for the event.

/FR70/ Game Management:

- † During an event, Admins should have the ability to pause/resume the game if game rules are violated.
  - $rac{1}{2}$  Admins should be able to assign points to each team during the event.
- ₹ When the game is finished, Admins must be able to announce the winner based on the points accumulated by each team. /FR80/ Viewing lineups:
- $\lambda$  Spectators and Coaches alike must be able to view players lineups by simply viewing the list of players which are playing the active event in both
  - $\uparrow$  Both spectators and coaches must be able to view score during an event.