

## Roster Management for Sports Teams

The project will develop a web site and SMS communications to support basic roster management for sports teams. Roster management entails the following:

- Maintaining a list of players, each with their own web site account and cell phone contact.
- For each team event, determining which players will be present. This is done by sending an SMS message to all players and processing the "will attend" and "will not attend" responses.
- The site should show the attendance status of the next event.
- Players are in two categories: "Regular" players have priority over "occasional" players and have the opportunity to sign up ahead of the occasional players. After the regular players have their opportunity, the occasional players are notified and may sign up as long as the number of players is below a threshold.
- Goalies are treated separately. Each event has two default goalies. If either of the default goalies indicates that they will not attend, the system sends an SMS invitation to the next goalie in a list of goalies, and also informs any administrators by SMS.
- The web interface may assign an administrator role to any account.
- An administrator can edit any aspect of another account, can accept or decline for another account, can see a history of attendance, and can send SMS messages to all players, to all players attending to all players not attending, and to all players who have not responded. An administrator can also manage the list of team events and add guest players to an event.

One site that does this (and more) is [benchapp.com](http://benchapp.com). Other sites provide a similar service.