**PitchPal**

**Application Users**

* Players
* Team (close group of users with a captain/admin)
* Field Owner
* Admin

**Entities**

* Football Field/Basketball Court
* Sports Center (could contain multiple fields/courts)
* Schedule of Field/Court (contains many time slots)
* Reservation/Match
* Reviews of Field/Court and Review of the

**What can a player do?**

* Edit profile
* Create a team
* Search for field
* View a field info
* View field schedule
* Add review of field or player
* Make a reservation
* Add players to public match
* Add team to public match (when captain)

**What can a team do?**

* Add players to the team
* Edit profile
* Change team to captain

**What can a field owner do?**

* Edit profile
* Manage schedule
  + Add a reservation
  + Remove a reservation
  + Set closed
  + View whole schedule
* View reviews
* Review players/team morality
* Possibly create advertisements for special offers and field

**Authentication table**

* Hashed Password
* Email
* Role (admin, owner, player)

**Player Attributes**

* Name
* Phone number
* Location
* Email
* Age
* Height
* Weight
* Sex
* Position
* Skill Level Score
* Morality Score
* Number of reviews

**Team Attributes**

* Name (unique)
* List of player IDs
* Team Captain
* Reviews scores

**Field Owner/Manager Attributes**

* Name
* Email
* Reference to sports center (could be many owners for one field)

**Sports Center Attributes**

* Name
* Location
* Number of fields
* Contact info (phone number)
* Quality score
* Service score
* Number of reviews
* Opening Time
* Facilities available (bathrooms, changing rooms, stands)

**Field Attributes**

* Sports Center reference
* Schedule
* Size (dimensions)
* Identifier
* Recommended team size
* Natural/Artificial grass

**PlayerReview Attributes**

* Player identifier
* Skill/performance score
* Morality score

**Team Review Attributes**

* Team identifier
* Skill/performance score
* Morality score

**Field Review Attributes**

* Field identifier
* Field quality score
* Field owner interaction score

**Reservation Attributes**

* Reserver identifier
* Sports center identifier
* Field number
* Time slot
* Teams or players
* Visibility

**Schedule of Field**

* Total time of opening of field
* Time slot duration
* List of Time slots
* Availability of time slot:
  + Reserved
  + Not Reserved
  + Closed