

| User        |           |  |  |
|-------------|-----------|--|--|
| Field       | Data Type | Description  | Example Data   |
| id (PK)     | ObjectId  | Identifying MongoDB ID.  | 535416629d6c6b6c09000001   |
| email       | String    | The user's email, which is unique within the system and only associated with one user account.                     | bob@example.com  |
| first_name  | String    | The user's first name. Their given name.   | Bob  |
| last_name   | String    | The user's last name. Their family name.   | Belcher  |
| phone       | String    | The user's phone number.   | 8005551234   |
| password    | String    | A hashed string of the user's password, hashed using bcrypt-nodejs.  | \$2a\$07\$kbaz/iNVfsSYt1tTf7YL<br>uKpnCrT78v3kigGOM/UhfDsxlr<br>Tq.py4 |
| accessToken | String    | A string that is used by passport to persist sessions of logged in users.  | 1398307519836_VQpBn5wAZ1<br>CZNXVC                                     |
| active      | boolean   | A boolean that indicates if the user is active in the system (has ever signed into their account). Default: false. | true   |

| Coach        |           |   |                          |
|--------------|-----------|---|--------------------------|
| Field        | Data Type | Description                                   | Example Data             |
| id (PK)      | ObjectId  | Identifying MongoDB ID.                       | 535416629d6c6b6c09000001 |
| user_id (FK) | ObjectId  | Reference ID to the User who is a Coach       | 535416629d6c6b6c09000001 |
| team_id (FK) | ObjectId  | Reference ID to the Team the Coach belongs to | 535416629d6c6b6c09000001 |

| Family         |           |   |                          |
|----------------|-----------|---|--------------------------|
| Field          | Data Type | Description   | Example Data             |
| id (PK)        | ObjectId  | Identifying MongoDB ID.                                       | 535416629d6c6b6c09000001 |
| user_id (FK)   | ObjectId  | Reference ID for the User who is associated with the Family   | 535416629d6c6b6c09000001 |
| player_id (FK) | ObjectId  | Reference ID for the Player who is associated with the Family | 535416629d6c6b6c09000001 |

| Player        |           |  |                             |
|---------------|-----------|--|-----------------------------|
| Field         | Data Type | Description                            | Example Data                |
| id (PK)       | ObjectId  | Identifying MongoDB ID.                | 535416629d6c6b6c09000001    |
| first_name    | String    | The first name of the player           | Tina                        |
| last_name     | String    | The last name of the player            | Belcher                     |
| date_of_birth | Date      | The player's date of birth             | 1 January 1999 00:00:00 UTC |
| active        | Boolean   | If the player is active in the system. | true                        |

| RosterSpot     |           |  |                          |
|----------------|-----------|--|--------------------------|
| Field          | Data Type | Description  | Example Data             |
| id (PK)        | ObjectId  | Identifying MongoDB ID.  | 535416629d6c6b6c09000001 |
| player_id (FK) | ObjectId  | Referencing ID of the player who is associated with the RosterSpot | 535416629d6c6b6c09000001 |
| team_id (FK)   | ObjectId  | Referencing ID of the Team that is associated with the RosterSpot  | 535416629d6c6b6c09000001 |

| Team    |           |   |                          |
|---------|-----------|---|--------------------------|
| Field   | Data Type | Description   | Example Data             |
| id (PK) | ObjectId  | Identifying MongoDB ID.                                     | 535416629d6c6b6c09000001 |
| name    | String    | The name of the sports team.                                | Average Joes             |
| sport   | String    | The sport of the sports team.                               | Dodgeball                |
| active  | Boolean   | Boolean that indicates if the team is active in the system. | true                     |

| Event        |           |   |                            |
|--------------|-----------|---|----------------------------|
| Field        | Data Type | Description   | Example Data               |
| id (PK)      | ObjectId  | Identifying MongoDB ID.   | 535416629d6c6b6c09000001   |
| team_id (FK) | ObjectId  | Reference ID for the Team that is associated with the Event                   | 535416629d6c6b6c09000001   |
| date         | Date      | The date and time the event is being held, stored in a single Date object.    | 5 April 2014 16:20:00 UTC  |
| location     | String    | The location of the event.  | Carnegie Mellon University |
| type         | String    | The type of event, one of the following: Game, Practice, Meeting, Other Event | Meeting                    |

|                    |        |  |   |
|--------------------|--------|--|---|
| <b>description</b> | String | A description of the event.  | A meeting for our group project.              |
| <b>latitude</b>    | Number | The latitude, calculated from the event location, and provided by Google geocoordinates.   | 40.44249                                      |
| <b>longitude</b>   | Number | The longitude, calculated from the event location, and provided by Google geocoordinates.  | -79.94255                                     |
| <b>reminder</b>    | Mixed  | A node-schedule object that holds the job, a function, that executes 2 days before an event. This function sends out an email reminder to all users on the team that did not respond with attendance to the event. | schedule.scheduleJob(tdate, function(){...}); |
| <b>results</b>     | Mixed  | A node-schedule object that holds the job, a function, that executes 1 day before an event. This function sends out an email to the coaches with a summary of the team's attendance responses for an event.        | schedule.scheduleJob(tdate, function(){...}); |

| Attendance                 |           |   |                          |
|----------------------------|-----------|---|--------------------------|
| Field                      | Data Type | Description   | Example Data             |
| <b>id (PK)</b>             | ObjectId  | Identifying MongoDB ID.   | 535416629d6c6b6c09000001 |
| <b>roster_spot_id (FK)</b> | ObjectId  | Reference ID for the RosterSpot that is associated with the Attendance  | 535416629d6c6b6c09000001 |
| <b>event_id (FK)</b>       | ObjectId  | Reference ID for the Event that is associated with the Attendance   | 535416629d6c6b6c09000001 |
| <b>attending</b>           | Boolean   | A boolean that indicates if the person has responded. Default: null. Null indicates they did not respond, true means they're coming, false means they are not coming. | null                     |

| Rider                      |           |  |                           |
|----------------------------|-----------|--|---------------------------|
| Field                      | Data Type | Description  | Example Data              |
| <b>id (PK)</b>             | ObjectId  | Identifying MongoDB ID.  | 535416629d6c6b6c09000001  |
| <b>roster_spot_id (FK)</b> | ObjectId  | Reference ID for the RosterSpot that is associated with the Rider  | 535416629d6c6b6c09000001  |
| <b>carpool_id (FK)</b>     | ObjectId  | Reference ID for the Carpool that is associated with the Rider. Default: null. If this value is null, the rider does not have a carpool. | 535416629d6c6b6c09000001  |
| <b>event_id (FK)</b>       | ObjectId  | Reference ID for the Event that is associated with the Rider   | 535416629d6c6b6c09000001  |
| <b>location</b>            | String    | The location that the rider is being picked up from.   | Cathedral of Learning     |
| <b>time</b>                | Time      | A Date object that has the time the rider would like to be picked up at.   | 5 April 2014 16:05:00 UTC |

|                  |         |   |           |
|------------------|---------|---|-----------|
| <b>confirmed</b> | Boolean | A boolean value that indicates if the rider has been confirmed to joining a carpool or not. | false     |
| <b>latitude</b>  | Number  | The latitude, calculated from the rider location, and provided by Google geocoordinates.    | 49.424479 |
| <b>longitude</b> | Number  | The longitude, calculated from the rider location, and provided by Google geocoordinates.   | -71.34255 |

| Carpool             |           |   |                           |
|---------------------|-----------|---|---------------------------|
| Field               | Data Type | Description   | Example Data              |
| <b>id (PK)</b>      | ObjectId  | Identifying MongoDB ID.   | 535416629d6c6b6c09000001  |
| <b>user_id (FK)</b> | ObjectId  | Reference ID for the User that is associated with the Carpool (the driver).                 | 535416629d6c6b6c09000001  |
| <b>location</b>     | String    | The departure location of the carpool (where it is leaving from).                           | Heinz Field               |
| <b>time</b>         | Time      | A Date object that has the time the carpool its leaving its location.                       | 5 April 2014 15:45:00 UTC |
| <b>size</b>         | Number    | The number of spots the carpool has, which indicates how many riders can be connected to.   | 3                         |
| <b>latitude</b>     | Number    | The latitude, calculated from the carpool location, and provided by Google geocoordinates.  | 40.44249                  |
| <b>longitude</b>    | Number    | The longitude, calculated from the carpool location, and provided by Google geocoordinates. | -70.94255                 |