

Portfolio Assignment: API Spec

CS 493: Cloud Application Development

Fall 2023

Oregon State University

Last Update: Dec 8.

Change log

Version	Change	Date
1.0	Initial version.	Nov 29, 2023

App URL: <https://fantasy-basketball-api-453717.wn.r.appspot.com/>

Account creation + login URL:

<https://fantasy-basketball-api-453717.wn.r.appspot.com/>

Data Model

The app stores three entities in Datastore: Users, Teams, and Players. Users can own many teams and players, but teams and players can be owned by only one user. A team can have many players, but a player can only be on one team's roster.

New users can be generated by visiting <https://fantasy-basketball-api-453717.wn.r.appspot.com/> and signing up. This will return a JWT and a user ID. Users are uniquely identifiable by the user id, so if a request needs to supply a user identifier, it should specify the id, NOT sub. The JWT can be used as a Bearer token when accessing protected routes. When a JWT token is received in a request, the token is mapped against all users in the database. Once it finds the user with "sub" equal to the JWT, that user's id is used to query protected teams and players.

Users

Property	Data Type	Notes	Required?
id	Integer	The id of the user, generated by Datastore.	Yes
sub	String	"sub" property from JWT	Yes

Teams

Property	Data Type	Notes	Required?
id	Integer	The id of the team, generated by Datastore.	Yes
owner	Integer	The id of the user who owns this team.	Yes
name	String	The name of the team.	Yes
location	String	The location of the team.	Yes
coach	String	The coach of the team.	Yes
mascot	String	The team mascot's name.	No
championships	Integer	The number of NBA championships the team has won in its history.	Yes

Players

Property	Data Type	Notes	Required?
id	Integer	The id of the player, generated by Datastore.	Yes
owner	Integer	The id of the user who owns this player.	Yes
team	Integer	The id of the team the player plays for, if any.	No
name	String	The name of the player.	Yes
height	Integer	The height of the player in inches.	Yes
position	String	The player's position (PG, SF, C).	Yes
number	Integer	The player's jersey number.	Yes
PTS	Float	The player's points per game.	No
REB	Float	The player's rebounds per game.	No
AST	Float	The player's assists per game.	No
BLK	Float	The player's blocks per game.	No
STL	Float	The player's steals per game.	No
3PM	Float	The player's 3-pointers made per game.	No

View all Users - Unprotected

List all the users registered with the app. Returns the number of teams and users owned by each user, and the total number of users registered.

GET /users

Request

Path Parameters

None

Request Body

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 200 OK

```
{
  "users": [
    {
      "id": 5623288926724903,
      "sub": "auth0|656e2cfafb274bf40e3d43aa",
      "teams": 5,
      "players": 5
    }, {
      "id": 5623629099033637,
      "sub": "auth0|656ed032975e4fd0dcb07848",
      "teams": 2,
      "players": 3
    }, {
      "id": 5625914717468832,
      "sub": "auth0|656e2cfafb274bf40e3e932a",
      "teams": 10,
      "players": 15
    }
  ],
  "total": 3
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

Create a Team - Protected

Allows you to create a new team.

POST /teams

Request

Path Parameters

None

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
name	The name of the team.	Yes
location	The location of the team.	Yes
coach	The coach of the team.	Yes
mascot	The team mascot's name.	No
championships	The number of NBA championships the team has won in its history.	Yes

Request Body Example

```
{
  "name": "Trail Blazers",
  "location": "Portland",
  "coach": "Chauncey Billups",
  "mascot": "Blaze the Trail Cat",
  "championships": 1
}
```

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	201 Created	
Failure	400 Bad Request	The request is missing at least one of the required attributes.
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 201 Created

```
{
  "id": 5724539828830208,
  "owner": 5640825748848640,
  "name": "Trail Blazers",
  "location": "Portland",
  "coach": "Chauncey Billups",
  "mascot": "Blaze the Trail Cat",
  "championships": 1,
  "players": [],
  "self":
    "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/5724539828830208"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

```
}
```

View a Team - Protected

Allows you to view an existing team.

```
GET /teams/:team_id
```

Request

Path Parameters

Name	Description
team_id	ID of the team

Request Body

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No team with this team_id exists
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

```
Status: 200 OK

{
  "id": 5724539828830208,
  "owner": 5640825748848640,
  "name": "Trail Blazers",
  "location": "Portland",
  "coach": "Chauncey Billups",
  "mascot": "Blaze the Trail Cat",
  "championships": 1,
  "players": [],
  "self":
    "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/5724539828830208"
}
```

Failure

```
Status: 401 Unauthorized

{
```

```
"Error": "Invalid/missing credentials"
}
```

Failure

```
Status: 403 Forbidden

{
  "Error": "The user is not authorized to access this resource"
}
```

Failure

```
Status: 404 Not Found

{
  "Error": "No team with this team_id exists"
}
```

Failure

```
Status: 406 Not Acceptable

{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

View all Teams - Protected

List all the teams associated with the user with pagination. Returns 5 teams per page, with a link to the next page.

```
GET /teams
```

Request

Path Parameters

Name	Description
limit	Number of results to return per page
offset	Skip the specified number of results

Request Body

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 200 OK

```
{
  "teams": [
    {
      "id": 5595073005748224,
      "owner": 5640825748848640,
      "name": "Trail Blazers",
      "location": "Portland",
      "coach": "Chauncey Billups",
      "mascot": "Blaze the Trail Cat",
      "championships": 1,
      "players": [
        {
          "id": 5185264741777408,
          "name": "Scoot Henderson",
          "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/players/5185264741777408"
        }
      ],
      "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/5595073005748224"
    }, {
      "id": 5226598500401152,
      "owner": 5640825748848640,
      "name": "Warriors",
      "location": "Golden State",
      "coach": "Steve Kerr",
      "mascot": null,
      "championships": 7,
      "players": [],
      "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/5226598500401152"
    }, {
      "id": 5702508617924608,
      "owner": 5640825748848640,
      "name": "Supersonics",
      "location": "Seattle",
      "coach": "Nate McMillan",
      "mascot": "Squatch",
      "championships": 1,
      "players": [],
      "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/5702508617924608"
    }, {
      "id": 5484680132427776,
      "owner": 5640825748848640,
      "name": "Nuggets",
      "location": "Denver",
      "coach": "Mike Malone",
      "mascot": "Rocky the Mountain Lion",
```



```
"championships": 1,
"players": [],
"self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/
5484680132427776"
}, {
  "id": 5725743090761728,
  "owner": 5640825748848640,
  "name": "Mavericks",
  "location": "Dallas",
  "coach": "Jason Kidd",
  "mascot": "Champ",
  "championships": 1,
  "players": [],
  "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/
5725743090761728"
}
],
"next":
"https://fantasy-basketball-api-453717.wn.r.appspot.com/teams?limit=5&offset=5",
"total": 6
}
```

Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

Patch a Team - Protected

Allows you to update a subset of a team's attributes while leaving the rest unchanged. Any invalid attribute headers will be ignored. Note that relationships with users or players can't be changed with this route.

PATCH /teams/:team_id

Request

Path Parameters

Name	Description
team_id	ID of the team

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
name	The name of the team.	No
location	The location of the team.	No
coach	The coach of the team.	No
mascot	The team mascot's name.	No
championships	The number of NBA championships the team has won in its history.	No

Request Body Example

```
{
  "coach": "Terry Stotts"
}
```

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No team with this team_id exists
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 200 OK

```
{
  "id": 5595073005748224,
  "owner": 5640825748848640
  "name": "Trail Blazers",
  "location": "Portland",
  "coach": "Terry Stotts",
  "mascot": "Blaze the Trail Cat",
  "championships": 1,
  "players": [],
  "self":
  "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/5595073005748224"
}
```

Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 403 Forbidden

```
{
  "Error": "The user is not authorized to access this resource"
}
```

Failure

Status: 404 Not Found

```
{
  "Error": "No team with this team_id exists"
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

Put a Team - Protected

Allows you to replace a team's attributes. All attributes must be specified. Note that relationships with users or players can't be changed with this route.

PUT /teams/:team_id

Request

Path Parameters

Name	Description
team_id	ID of the team

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
name	The name of the team.	Yes
location	The location of the team.	Yes
coach	The coach of the team.	Yes
mascot	The team mascot's name.	No
championships	The number of NBA championships the team has won in its history.	Yes

Request Body Example

```
{
  "name": "Supersonics",
  "location": "Seattle",
  "coach": "Nate McMillan",
  "championships": 1
}
```

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	The team was successfully replaced. URL to view team included in self link.
Failure	400 Bad Request	The request is missing at least one of the required attributes.
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No team with this team_id exists
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 200 OK

```
{
  "id": 5702508617924608,
  "owner": 5640825748848640
  "name": "Supersonics",
  "location": "Seattle",
  "coach": "Nate McMillan",
  "mascot": "Squatch",
  "championships": 1
  "players": [],
  "self":
  "https://fantasy-basketball-api-453717.wn.r.appspot.com/teams/5702508617924608"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 403 Forbidden

```
{
  "Error": "The user is not authorized to access this resource"
}
```

Failure

Status: 404 Not Found

```
{
  "Error": "No team with this team_id exists"
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

Delete a Team - Protected

Allows you to delete a team. Any players assigned to the team will be unassigned.

DELETE /teams/:team_id

Request

Path Parameters

Name	Description
team_id	ID of the team

Request Body

None

Response

No body

Response Body Format

Success: No body

Failure: JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No team with this team_id exists

Response Examples

Success

Status: 204 No Content

Failure

Status: 401 Unauthorized
<pre>{ "Error": "Invalid/missing credentials" }</pre>

Failure

Status: 403 Forbidden
<pre>{ "Error": "The user is not authorized to access this resource" }</pre>

Failure

Status: 404 Not Found
<pre>{</pre>

```
"Error": "No team with this team_id exists"
}
```

Create a Player - Protected

Allows you to create a new player.

POST /players

Request

Path Parameters

None

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
name	The name of the player.	Yes
height	The height of the player in inches.	Yes
position	The player's position (PG, SF, C)	Yes
number	The player's jersey number.	Yes
PTS	The player's points per game.	No
REB	The player's rebounds per game.	No
AST	The player's assists per game.	No
BLK	The player's blocks per game.	No
STL	The player's steals per game.	No
3PM	The player's 3-pointers made per game.	No

Request Body Example

```
{
  "name": "Damian Lillard",
  "height": 74,
  "position": "PG",
  "number": 0,
  "PTS": 25.2,
  "REB": 4.2,
  "AST": 6.7,
  "BLK": 0.3,
  "STL": 1.0,
  "3PM": 3.1,
}
```

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	201 Created	
Failure	400 Bad Request	The request is missing at least one of the required attributes.
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 201 Created

```
{
  "id": 5185264741777408,
  "owner": 5640825748848640,
  "team": null,
  "name": "Damian Lillard",
  "height": 74,
  "position": "PG",
  "number": 0,
  "PTS": 25.2,
  "REB": 4.2,
  "AST": 6.7,
  "BLK": 0.3,
  "STL": 1.0,
  "3PM": 3.1,
  "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/players/5185264741777408"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```


Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

View a Player - Protected

Allows you to view an existing player.

GET /players/:player_id

Request

Path Parameters

Name	Description
player_id	ID of the player

Request Body

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No player with this player_id exists
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 200 OK

```
{
  "id": 5185264741777408,
  "owner": 5640825748848640,
  "team": null,
  "name": "Damian Lillard",
  "height": 74,
  "position": "PG",
  "number": 0,
  "PTS": 25.2,
  "REB": 4.2,
  "AST": 6.7,
  "BLK": 0.3,
  "STL": 1.0,
  "3PM": 3.1,
  "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/players/5185264741777408"
}
```

Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 403 Forbidden

```
{
  "Error": "The user is not authorized to access this resource"
}
```

Failure

Status: 404 Not Found

```
{
  "Error": "No player with this player_id exists"
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

View all Players - Protected

List all the players associated with the user with pagination. Returns 5 players per page, with a link to the next page and a count of the total number of players in the collection.

GET /teams

Request

Path Parameters

Name	Description
limit	Number of results to return per page
offset	Skip the specified number of results

Request Body

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 200 OK

```
{
  "next": "https://fantasy-basketball-api-453717.wn.r.appspot.com/players?
    limit=5&offset=5",
  "players": [
    {
      "3PM": 1.9,
      "AST": 4.4,
      "BLK": 1.1,
      "PTS": 27.3,
      "REB": 7.0,
      "STL": 1.1,
      "height": 83,
      "id": 5023278909358080,
      "name": "Kevin Durant",
      "number": 35,
      "owner": 5680529164730368,
      "position": "PF",
      "self":
"https://fantasy-basketball-api-453717.wn.r.appspot.com/players/
5023278909358080",
      "team": null
    }
  ]
}
```

```

    },
    {
      "3PM": 1.6,
      "AST": 7.3,
      "BLK": 0.8,
      "PTS": 27.2,
      "REB": 7.5,
      "STL": 1.5,
      "height": 81,
      "id": 5231541403779072,
      "name": "LeBron James",
      "number": 23,
      "owner": 5680529164730368,
      "position": "SF",
      "self":
"https://fantasy-basketball-api-453717.wn.r.appspot.com/players/
5231541403779072",
      "team": null
    },
    {
      "3PM": 2.7,
      "AST": 3.8,
      "BLK": 0.6,
      "PTS": 22.2,
      "REB": 5.2,
      "STL": 1.4,
      "height": 76,
      "id": 5305975133175808,
      "name": "Anthony Edwards",
      "number": 5,
      "owner": 5680529164730368,
      "position": "SG",
      "self":
"https://fantasy-basketball-api-453717.wn.r.appspot.com/players/
5305975133175808",
      "team": null
    },
    {
      "3PM": 2.8,
      "AST": 8.0,
      "BLK": 0.4,
      "PTS": 27.8,
      "REB": 8.6,
      "STL": 1.1,
      "height": 79,
      "id": 5353425931862016,
      "name": "Luka Doncic",
      "number": 77,
      "owner": 5680529164730368,
      "position": "PG",
      "self":
"https://fantasy-basketball-api-453717.wn.r.appspot.com/players/
5353425931862016",
      "team": null
    },
  },

```

```

    {
      "3PM": 0.7,
      "AST": 4.7,
      "BLK": 1.3,
      "PTS": 22.8,
      "REB": 9.6,
      "STL": 1.1,
      "height": 83,
      "id": 6243713932066816,
      "name": "Giannis Antetokounmpo",
      "number": 34,
      "owner": 5680529164730368,
      "position": "PF",
      "self":
        "https://fantasy-basketball-api-453717.wn.r.appspot.com/players/
          6243713932066816",
      "team": null
    },
    "total": 6
  }
}

```

Failure

Status: 401 Unauthorized

```

{
  "Error": "Invalid/missing credentials"
}

```

Failure

Status: 406 Not Acceptable

```

{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}

```

Patch a Player - Protected

Allows you to update a subset of a player's attributes while leaving the rest unchanged. Any invalid attribute headers will be ignored. Note that relationships with users or teams can't be changed with this route.

PATCH /players/:player_id

Request

Path Parameters

Name	Description
player_id	ID of the player

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
name	The name of the player.	No
height	The height of the player in inches.	No
position	The player's position (PG, SF, C).	No
number	The player's jersey number.	No
PTS	The player's points per game.	No
REB	The player's rebounds per game.	No
AST	The player's assists per game.	No
BLK	The player's blocks per game.	No
STL	The player's steals per game.	No
3PM	The player's 3-pointers made per game.	No

Request Body Example

<pre>{ "number": 6 }</pre>

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No player with this player_id exists.
Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.

Response Examples

Success

Status: 200 OK
<pre>{ "id": 5231541403779072, "3PM": 1.6, "AST": 7.3, "BLK": 0.8, "PTS": 27.2, "REB": 7.5,</pre>

```
{
  "STL": 1.5,
  "height": 81,
  "name": "LeBron James",
  "number": 6,
  "owner": 5680529164730368,
  "position": "SF",
  "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/players/5231541403779072",
  "team": null
}
```

Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 403 Forbidden

```
{
  "Error": "The user is not authorized to access this resource"
}
```

Failure

Status: 404 Not Found

```
{
  "Error": "No player with this player_id exists"
}
```

Failure

Status: 406 Not Acceptable

```
{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

Put a Player - Protected

Allows you to replace a player's attributes. All attributes must be specified. Note that relationships with users or teams can't be changed with this route.

PUT /players/:player_id

Request

Path Parameters

Name	Description
------	-------------

player_id	ID of the player
-----------	------------------

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
name	The name of the player.	Yes
height	The height of the player in inches.	Yes
position	The player's position (PG, SF, C)	Yes
number	The player's jersey number.	Yes
PTS	The player's points per game.	No
REB	The player's rebounds per game.	No
AST	The player's assists per game.	No
BLK	The player's blocks per game.	No
STL	The player's steals per game.	No
3PM	The player's 3-pointers made per game.	No

Request Body Example

```
{
  "name": "Scoot Henderson",
  "height": 75,
  "position": "PG",
  "number": 0,
  "PTS": 9.2,
  "REB": 2.7,
  "AST": 4.2,
  "BLK": 0.1,
  "STL": 0.5,
  "3PM": 0.9
}
```

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	The team was successfully replaced. URL to view team included in self link.
Failure	400 Bad Request	The request is missing at least one of the required attributes.
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No team with this team_id exists

Failure	406 Not Acceptable	The Accept header MIME type is not supported by this endpoint.
---------	--------------------	--

Response Examples

Success

<p>Status: 200 OK</p> <pre>{ "id": 5185264741777408, "owner": 5640825748848640 "team": null, "name": "Scoot Henderson", "height": 75, "position": "PG", "number": 0, "PTS": 9.2, "REB": 2.7, "AST": 4.2, "BLK": 0.1, "STL": 0.5, "3PM": 0.9 "self": "https://fantasy-basketball-api-453717.wn.r.appspot.com/players/5185264741777408" }</pre>

Failure

<p>Status: 400 Bad Request</p> <pre>{ "Error": "The request object is missing at least one of the required attributes" }</pre>
--

Failure

<p>Status: 401 Unauthorized</p> <pre>{ "Error": "Invalid/missing credentials" }</pre>

Failure

<p>Status: 403 Forbidden</p> <pre>{ "Error": "The user is not authorized to access this resource" }</pre>

Failure

<p>Status: 404 Not Found</p> <pre>{</pre>

```
"Error": "No player with this player_id exists"
}
```

Failure

```
Status: 406 Not Acceptable

{
  "Error": "The Accept header MIME type is not supported by this endpoint"
}
```

Delete a Player - Protected

Allows you to delete a player. If the player being deleted is on a team, the player is removed from that team's list of players.

```
DELETE /players/:player_id
```

Request

Path Parameters

Name	Description
player_id	ID of the player

Request Body

None

Response

No body

Response Body Format

Success: No body

Failure: JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource.
Failure	404 Not Found	No player with this player_id exists

Response Examples

Success

```
Status: 204 No Content
```

Failure

```
Status: 401 Unauthorized

{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 403 Forbidden

```
{
  "Error": "The user is not authorized to access this resource"
}
```

Failure

Status: 404 Not Found

```
{
  "Error": "No player with this player_id exists"
}
```

Assign Player to Team - Protected

Places a player on a team's roster.

PUT /teams/:team_id/players/:player_id

Request

Path Parameters

Name	Description
team_id	ID of the team
player_id	ID of the player

Request Body

None

Response

No body

Response Body Format

Success: No body

Failure: JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	Succeeds only if a team exists with this team_id, a player exists with this player_id and the player is not already assigned to another team.
Failure	400 Bad Request	The player can't be assigned because it is already on a team.
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource (team, player, or both).

Failure	404 Not Found	The specified team and/or player does not exist
---------	---------------	---

Response Examples

Success

Status: 204 No Content

Failure

Status: 400 Bad Request
<pre>{ "Error": "The player is already on a team" }</pre>

Failure

Status: 401 Unauthorized
<pre>{ "Error": "Invalid/missing credentials" }</pre>

Failure

Status: 403 Forbidden
<pre>{ "Error": "The user is not authorized to access this resource" }</pre>

Failure

Status: 404 Not Found
<pre>{ "Error": "The specified team and/or player does not exist" }</pre>

Remove Player from Team - Protected

Removes a player from a team's roster. The player still exists, but is not assigned.

DELETE /teams/:team_id/players/:player_id

Request

Path Parameters

Name	Description
team_id	ID of the team
player_id	ID of the player

Request Body

None

Response

No body

Response Body Format

Success: No body

Failure: JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	Succeeds only if a team exists with this team_id, a player exists with this player_id and this player is assigned to this team.
Failure	400 Bad Request	The player isn't assigned to this team.
Failure	401 Unauthorized	The request has invalid/missing credentials.
Failure	403 Forbidden	The user is not authorized to access this resource (team, player, or both).
Failure	404 Not Found	The specified team and/or player does not exist

Response Examples

Success

Status: 204 No Content

Failure

Status: 400 Bad Request

```
{
  "Error": "The player isn't assigned to this team"
}
```

Failure

Status: 401 Unauthorized

```
{
  "Error": "Invalid/missing credentials"
}
```

Failure

Status: 403 Forbidden

```
{
  "Error": "The user is not authorized to access this resource"
}
```

Failure

Status: 404 Not Found

```
{
  "Error": "The specified team and/or player does not exist"
}
```