

# Soccer Tournament API

## 1. Introduction

Default port: 8080

Swagger: <http://localhost:8080/swagger-ui.html#/>

## 2. Data Definition

### (1) Team

Column Name	Data Type	Read Result	Insert	Update	Notes
id	Integer	Valid	Not Required	Required	Unique identifier in database
name	String	Valid	Required	Required	Team name

### (2) Game

Column Name	Data Type	Read Result	Insert	Update	Notes
id	Integer	Valid	Not Required	Required	Unique identifier in database
roundNo	Byte	Valid	Required	Required	Round no, range: [1-100]
team1	Integer	Valid	Required	Required	Team id for team1: Team.id
team2	Integer	Valid	Required	Required	Team id for team2: Team.id
winner	Integer	Valid	Not Required	Not Required	Winner of this game
team1Name	String	Valid	Invalid	Invalid	Name of team1
team2Name	String	Valid	Invalid	Invalid	Name of team2
winnerName	String	Valid	Invalid	Invalid	Name of the winner

### (3) Person

Column Name	Data Type	Read Result	Insert	Update	Notes
id	Integer	Valid	Not Required	Required	Unique identifier in database
name	String	Valid	Required	Required	Person name
idDocNumber	String	Valid	Required	Required	Identification document number
teamId	Integer	Valid	Required	Required	Team id the person belongs to: Team.id

### (4) Response<T extends Entity>

Column Name	Data Type	Read Result	Notes
statusCode	Integer	Valid	Response status code

statusMsg	String	Valid	Response status message
entities	ArrayList<T>	Valid	For read, the result rows For insert, the inserted id

## (5) Status code & message

Status code	Status message
0	succeed
1000	internal error
1001	parameter is null
1002	parameter is invalid
1003	parameter is empty
1004	Parameter is too long
1100	team name exists
1101	idDocNumber exists
1102	game exists
1200	team not exists
1201	game not exists
1202	coach not exists
1203	player not exists
1301	cannot delete, game/coach/player exists in this team

## 3. API

### (1) Team

#### a. Get all teams

Request Path	/api/soccerTournament/team/getAll
Request Type	Get
produces	application/json
Response Type	Response<Team>
parameters	N/A
Notes	Get all teams

#### b. Get a team by id

Request Path	/api/soccerTournament/team/getById
Request Type	Get
produces	application/json
Response Type	Response<Team>
parameters	Integer id

Notes	Get a team by id
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### c. Write a team

Request Path	/api/soccerTournament/team/write
Request Type	Post
produces	application/json
Response Type	Response<Entity>
parameters	Team team
Notes	Insert/update a team

### d. Delete a team by id

Request Path	/api/soccerTournament/team/delete
Request Type	Delete
produces	application/json
Response Type	Response<Entity>
parameters	Integer id
Notes	Delete a team by id

## (2) Game

### a. Get all games

Request Path	/api/soccerTournament/game/getAll
Request Type	Get
produces	application/json
Response Type	Response<Game>
parameters	N/A
Notes	Get all games

### b. Get a game by id

Request Path	/api/soccerTournament/game/getById
Request Type	Get
produces	application/json
Response Type	Response<Game>
parameters	Integer id
Notes	Get a game by id

### c. Write a game

Request Path	/api/soccerTournament/game/write
Request Type	Post
produces	application/json
Response Type	Response<Entity>
parameters	Game game
Notes	Insert/update a game

### d. Delete a game by id

Request Path	/api/soccerTournament/game/delete
Request Type	Delete
produces	application/json
Response Type	Response<Entity>
parameters	Integer id
Notes	Delete a game by id

### e. Set result for a game

Request Path	/api/soccerTournament/game/setGameResult
Request Type	Put
produces	application/json
Response Type	Response<Entity>
parameters	Integer id, Integer winner
Notes	Set result for a game

## (3) Coach

### a. Get all coaches

Request Path	/api/soccerTournament/coach/getAll
Request Type	Get
produces	application/json
Response Type	Response<Person>
parameters	N/A
Notes	Get all coaches

### b. Get a coach by id

Request Path	/api/soccerTournament/coach/getById
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Request Type	Get
produces	application/json
Response Type	Response<Person>
parameters	Integer id
Notes	Get a coach by id

### c. Write a coach

Request Path	/api/soccerTournament/coach/write
Request Type	Post
produces	application/json
Response Type	Response<Entity>
parameters	Person coach
Notes	Insert/update a coach

### d. Delete a coach by id

Request Path	/api/soccerTournament/coach/delete
Request Type	Delete
produces	application/json
Response Type	Response<Entity>
parameters	Integer id
Notes	Delete a coach by id

## (4) Player

### a. Get all players

Request Path	/api/soccerTournament/player/getAll
Request Type	Get
produces	application/json
Response Type	Response<Person>
parameters	N/A
Notes	Get all players

### b. Get a player by id

Request Path	/api/soccerTournament/player/getById
Request Type	Get
produces	application/json
Response Type	Response<Person>

parameters	Integer id
Notes	Get a player by id

### c. Write a player

Request Path	/api/soccerTournament/player/write
Request Type	Post
produces	application/json
Response Type	Response<Entity>
parameters	Person player
Notes	Insert/update a player

### d. Delete a player by id

Request Path	/api/soccerTournament/player/delete
Request Type	Delete
produces	application/json
Response Type	Response<Entity>
parameters	Integer id
Notes	Delete a player by id