Rest Service Documentation

Team\_06 Soccer Appl

# RestService Tipps:

Die Url bestimmt nicht die Aktion, sondern auf welche Ressource zugegriffen wird.

z.B. /matches, /players und NICHT /getPlayers /deletePlayers

Die Art wie mit der Ressource interagiert wird, muss durch die HTTP Methode bestimmt werden.

Alle Matches holen -> GET auf /matches, 1 Match holen -> GET /matches/1 🡪 Id eines Objektes in der Collection matches.

Manchmal gelingt das aber nicht, dann müssen Kompromisse gemacht werden ->/checkPlayer die Interaktion kann nicht so einfach durch HTTP Methoden eindeutig beschrieben werden =(

Nachfolgend werden unsere Services, mit Tabellen und jeweils einem Bild zur Erklärung der Verwendung, beschrieben.

# Generelle Anmerkungen

Statt Date als Key wurde ein künstlicher Schlüssel genommen und ein Check Constraints auf das Date eingefügt, damit nicht 2 am selben Tag gespielt.

Match heißt soccer\_match weil Match ein reserved keyword des SQL Standards ist, das nächste Mal bitte keine reserved keywords verwenden, hat ein wenig Zeit gekostet!

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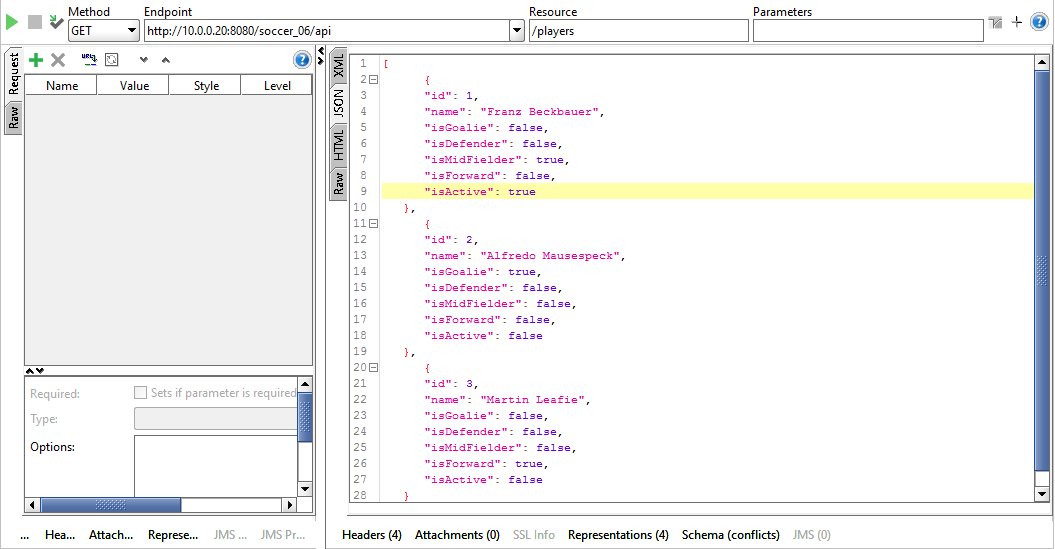
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# Get Methoden

## GetAllPlayers

|  |  |
| --- | --- |
| **Title** | *GetAllPlayers* |
| **URL** | */players* |
| **Method** | **GET** |
| **URL Params** | *NONE* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:** Siehe Example |
| **Error Response** | **Example:**  **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

Example:



## GetAllMatches

|  |  |
| --- | --- |
| **Title** | *GetAllMatches* |
| **URL** | */soccerMatches* |
| **Method** | **GET** |
| **URL Params** | *NONE* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:**  Siehe Example |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

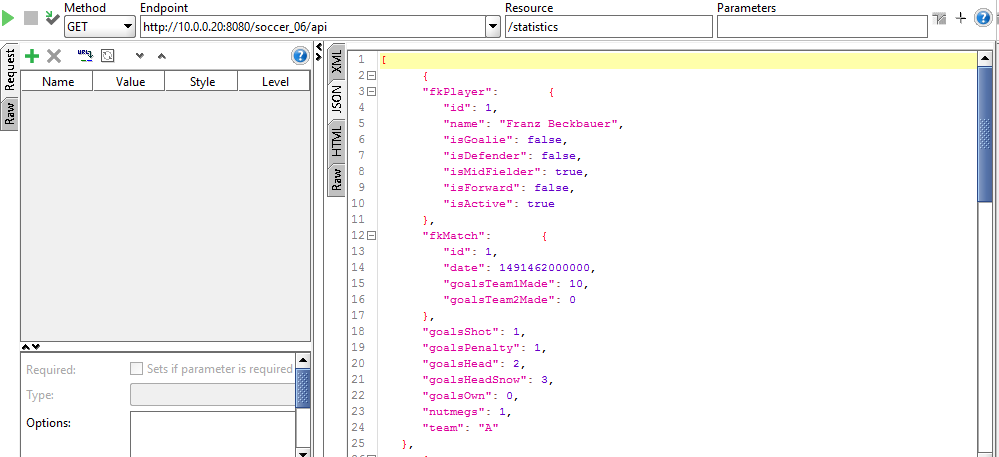
Example:



## GetAllStatistics

|  |  |
| --- | --- |
| **Title** | *GetAllStatistics* |
| **URL** | */statistics* |
| **Method** | **GET** |
| **URL Params** | *NONE* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:**  Siehe Example |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

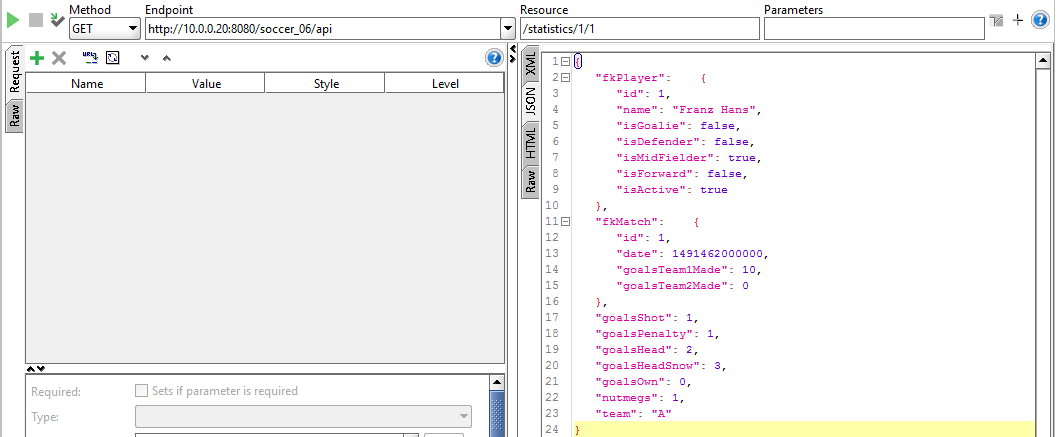
Example:



|  |  |
| --- | --- |
| **Title** | *GetPlayerStatisticsByMatch* |
| **URL** | */statistics/:id/:match\_id* |
| **Method** | **GET** |
| **URL Params** | *:id Id is the id of the player*  *:match\_id is the id of the match* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:**  Siehe Example |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## GetPlayerStatisticsByMatch

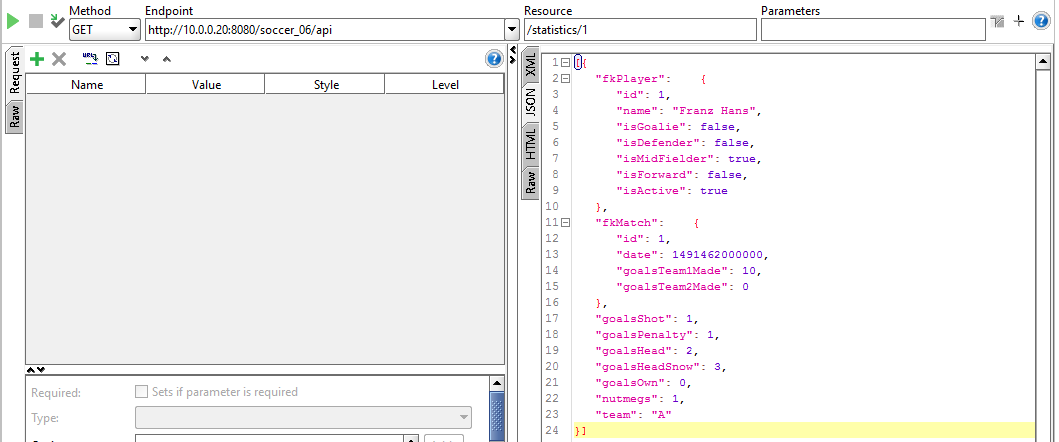
Example:



|  |  |
| --- | --- |
| **Title** | *GetPlayerStatistics* |
| **URL** | */statistics/:id* |
| **Method** | **GET** |
| **URL Params** | *:id Id of the player* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:**  Siehe Example |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## GetPlayerStatistics

Example:

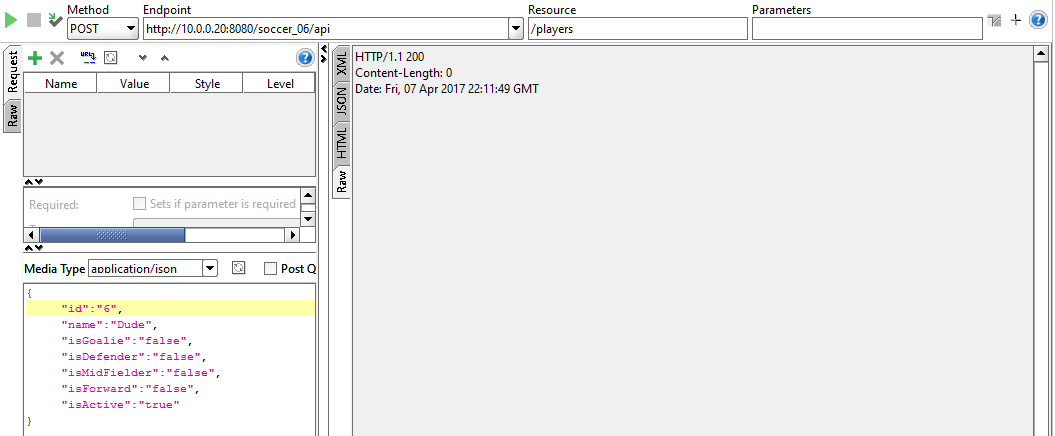


# Add Methods

|  |  |
| --- | --- |
| **Title** | *AddPlayer* |
| **URL** | */players* |
| **Method** | **POST** |
| **URL Params** | *NONE* |
| **Data Params** | *Player Class* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## AddPlayer

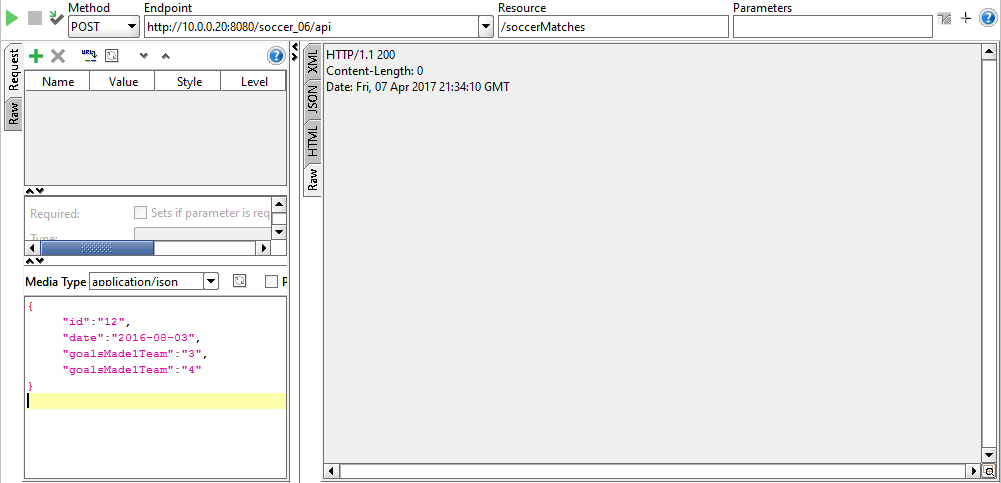
Example:



|  |  |
| --- | --- |
| **Title** | *AddMatch* |
| **URL** | */matches* |
| **Method** | **POST** |
| **URL Params** | *NONE* |
| **Data Params** | *Player Class* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## AddMatch

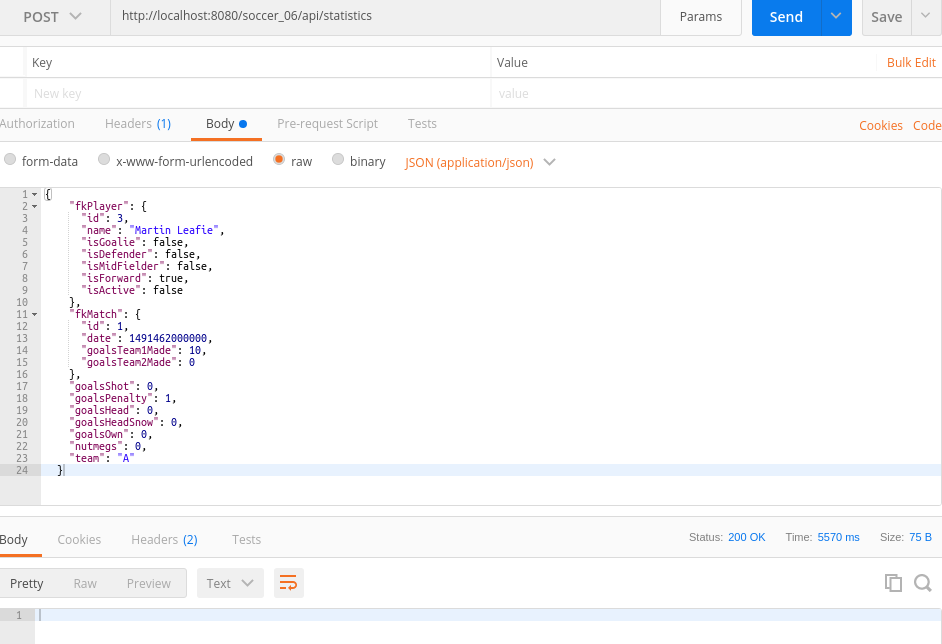
Example:



|  |  |
| --- | --- |
| **Title** | *AddStatistics* |
| **URL** | */statistics* |
| **Method** | **POST** |
| **URL Params** | *NONE* |
| **Data Params** | *Player Class* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## AddStatistics

Example:



|  |  |
| --- | --- |
| **Title** | *RemovePlayer* |
| **URL** | */players/:id* |
| **Method** | **DELETE** |
| **URL Params** | *:id ist the ID of the player* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:** {} |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

# Remove Methods

## RemovePlayer

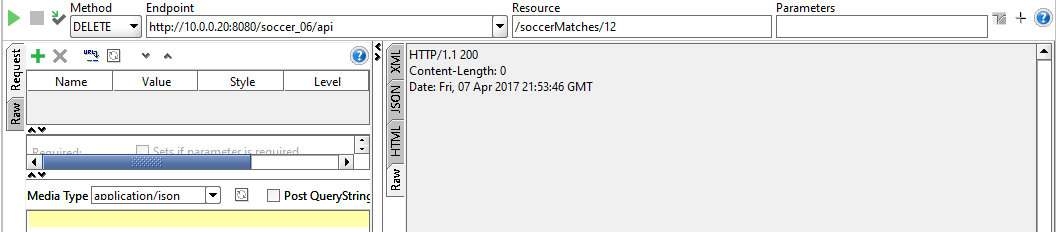
Example:



|  |  |
| --- | --- |
| **Title** | *RemoveMatch* |
| **URL** | */soccerMatches/:match\_id* |
| **Method** | **DELTE** |
| **URL Params** | *:match\_id ist the id of the match* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## RemoveMatch

Example:

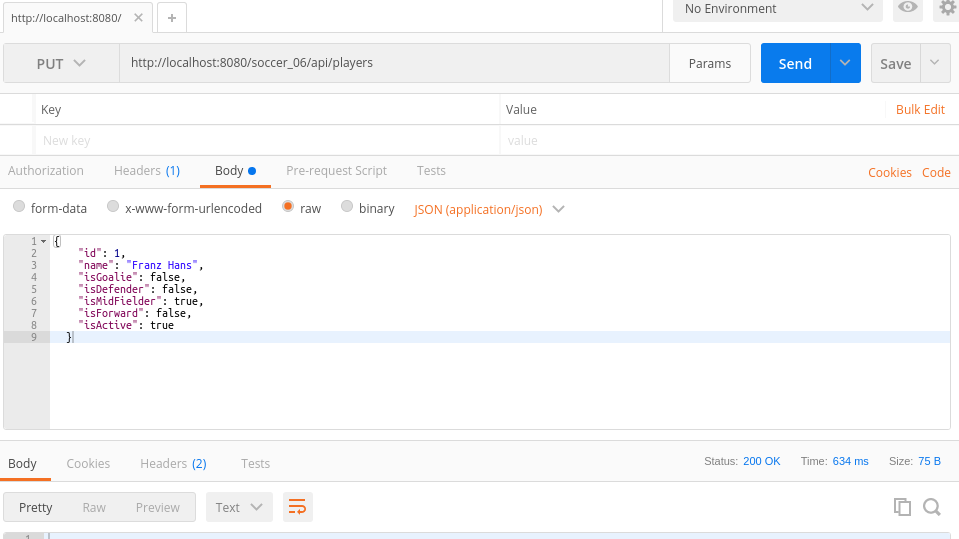


|  |  |
| --- | --- |
| **Title** | *UpdatePlayer* |
| **URL** | */players* |
| **Method** | **PUT** |
| **URL Params** | *NONE* |
| **Data Params** | *Player Class* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

# Update Methods

## UpdatePlayer

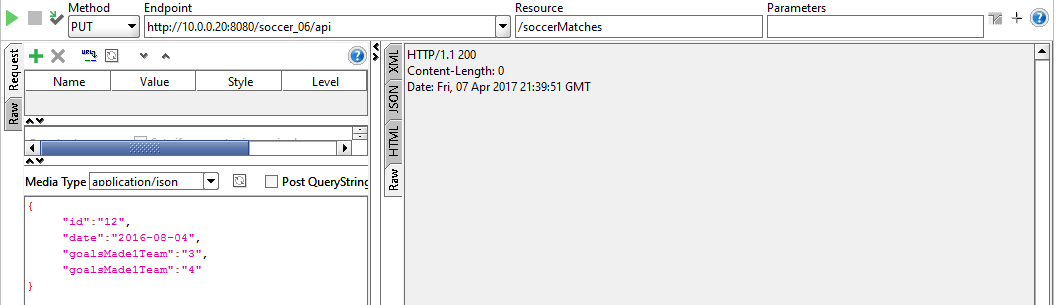
Example:



|  |  |
| --- | --- |
| **Title** | *UpdateMatch* |
| **URL** | */players* |
| **Method** | **PUT** |
| **URL Params** | *NONE* |
| **Data Params** | *Match Class* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## UpdateMatch

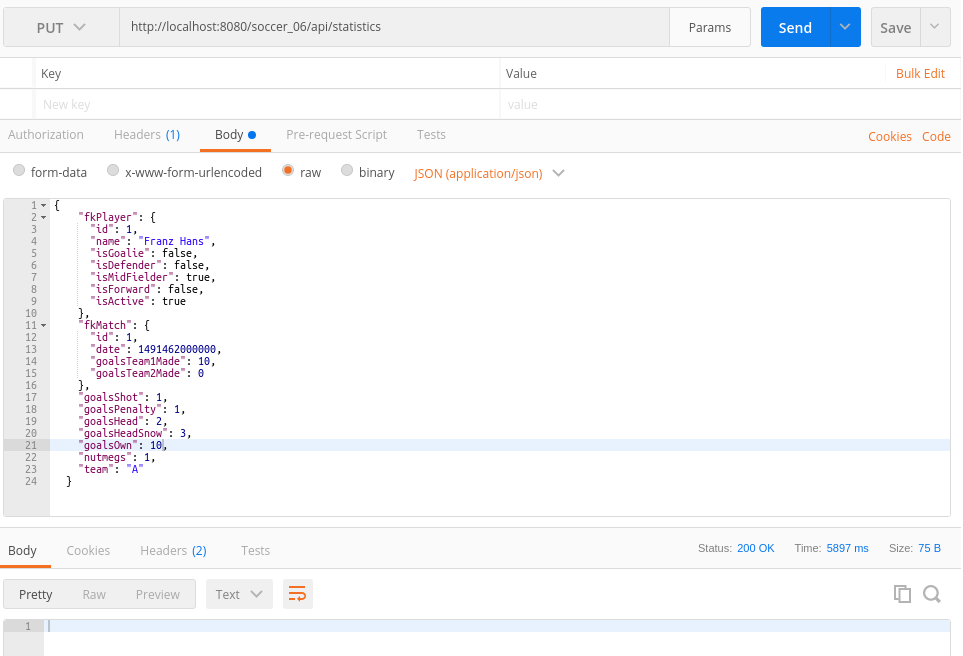
Example:



|  |  |
| --- | --- |
| **Title** | *UpdateStatistics* |
| **URL** | */statistics* |
| **Method** | **PUT** |
| **URL Params** | *NONE* |
| **Data Params** | *Statistics Class* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

## UpdateStatistics

Example:



# Unique Methods

## CheckPlayer

|  |  |
| --- | --- |
| **Title** | *CheckPlayer* |
| **URL** | */players/check/:id* |
| **Method** | **GET** |
| **URL Params** | *:id of the player you want to check* |
| **Data Params** | *NONE* |
| **Success Response** | **Example:** **Code:** 200  **Content:** { id : 12 } |
| **Error Response** | **Example:** **Code:** 400 Bad Request  **Content:** { error : SQL Exception }  **Code:** 500 Internal Server Error  **Content:** { error : Exception } |

Example:

