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 einen künstlichen Schlüssel nehmen und ein Check Constraints auf das Date, dass nicht 2 am selben Tag gespielt.

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# Get Methoden

## GetAll Player

|  |  |
| --- | --- |
| **Title** | *GetAllPlayers* |
| **URL** | */players* |
| **Method** | **GET** |
| **URL Params** | *NONE* |
| **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 } |
| **Notes** | *NONE* |

|  |  |
| --- | --- |
| **Title** | *GetAllMatches* |
| **URL** | */matches* |
| **Method** | **GET** |
| **URL Params** | *NONE* |
| **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 } |
| **Notes** | *NONE* |

## GetAllMatches

|  |  |
| --- | --- |
| **Title** | *GetAllStatistics* |
| **URL** | */statistics* |
| **Method** | **GET** |
| **URL Params** | *NONE* |
| **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 } |
| **Notes** | *NONE* |

## GetAllStatistics

|  |  |
| --- | --- |
| **Title** | *GetPlayerStatisticsByMatch* |
| **URL** | */statistics/:id/:match\_date*  *:id is the id of the player*  *:match\_date is the date of the match …. (Very bad design, use artifical key)* |
| **Method** | **GET** |
| **URL Params** | *:id*  *Id is the id of the player*  *:match\_date is the date of the match …. (Very bad design, use artifical key)* |
| **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 } |
| **Notes** | *NONE* |

## GetPlayerStatisticsByMatch

|  |  |
| --- | --- |
| **Title** | *GetPlayerStatistics* |
| **URL** | */statistics/:id*  *:id is the id of the player* |
| **Method** | **GET** |
| **URL Params** | *:id*  *Id of the player* |
| **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 } |
| **Notes** | *NONE* |

## GetPlayerStatistics

# 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 } |
| **Notes** | *NONE* |

## AddPlayer

|  |  |
| --- | --- |
| **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 } |
| **Notes** | *NONE* |

## AddMatch

|  |  |
| --- | --- |
| **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 } |
| **Notes** | *NONE* |

## AddStatistics

|  |  |
| --- | --- |
| **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 } |
| **Notes** | *NONE* |

# Remove Methods

## RemovePlayer

|  |  |
| --- | --- |
| **Title** | *RemoveMatch* |
| **URL** | */matches/:match\_date* |
| **Method** | **DELTE** |
| **URL Params** | *:match\_date ist the date 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 } |
| **Notes** | *NONE* |

## RemoveMatch

|  |  |
| --- | --- |
| **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 } |
| **Notes** | *NONE* |

# Update Methods

## UpdatePlayer

|  |  |
| --- | --- |
| **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 } |
| **Notes** | *NONE* |

## UpdateMatch

|  |  |
| --- | --- |
| **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 } |
| **Notes** | *NONE* |

## UpdateStatistics

|  |  |
| --- | --- |
| **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 } |
| **Notes** | *NONE* |

# Unique Methods

## CheckPlayer