**Solution Design – BetManagement**

## [1] – Create new Match

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| **General information** | |
| **Transaction name** | CreateMatch |

### Request - Response

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| **Request - Match** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ID | Insert id | integer |  |
| 2 | Description | Match description | string |  |
| 3 | MatchTime | Match time | dateTime |  |
| 4 | MatchDate | Match date | string |  |
| 5 | TeamA | Home team | string |  |
| 6 | TeamB | Away team | string |  |
| 7 | Sport | Sport | string |  |
| **Response – Result** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ResponseCode | Service return code | string |  |
| 2 | ResponseMessage | Service return message | string |  |
| 3 | Data | Service return Boolean value | boolean |  |

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| **Service logic – Execution** |
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| * + Creation of new Match with the values of given request   + Check if this creation has successfully completed in database, otherwise throw the following exception message : "DB Save : Could not save in db"; |

## [2] – Update Match

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| **General information** | |
| **Transaction name** | UpdateMatch |

### Request - Response

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| --- | --- | --- | --- | --- |
| **Request - Match** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ID | Insert id | integer |  |
| 2 | Description | Match description | string |  |
| 3 | MatchTime | Match time | dateTime |  |
| 4 | MatchDate | Match date | string |  |
| 5 | TeamA | Home team | string |  |
| 6 | TeamB | Away team | string |  |
| 7 | Sport | Sport | string |  |
| **Response – Result** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ResponseCode | Service return code | string |  |
| 2 | ResponseMessage | Service return message | string |  |
| 3 | Data | Service return Boolean value | boolean |  |

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| **Service logic – Execution** |
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| * + If the match with the given ID exists     - Update of the Match with the values of given request     - Check if this update has been successfully completed in database, otherwise throw the following Exception message : "DB Save : Could not save in db";   + If the match with the given ID does not exist     - Exception message : " "There is not match with this id" |

## [2] – Delete Match

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| **General information** | |
| **Transaction name** | DeleteMatch |

### Request - Response

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| --- | --- | --- | --- | --- |
| **Request - Match** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ID | Insert id | integer |  |
| 2 | Description | Match description | string |  |
| 3 | MatchTime | Match time | dateTime |  |
| 4 | MatchDate | Match date | string |  |
| 5 | TeamA | Home team | string |  |
| 6 | TeamB | Away team | string |  |
| 7 | Sport | Sport | string |  |
| **Response – Result** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ResponseCode | Service return code | string |  |
| 2 | ResponseMessage | Service return message | string |  |
| 3 | Data | Service return Boolean value | boolean |  |

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| **Service logic – Execution** |
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| * + If the match with the given ID exists     - Delete of the Match     - Check if this deletion has been successfully completed in database, otherwise throw the following Exception message : "DB Save : Could not save in db";   + If the match with the given ID does not exist     - Exception message : " "There is not match with this id" |

## [4] – Create new Odd

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| --- | --- |
| **General information** | |
| **Transaction name** | CreateOdd |

### Request - Response

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| --- | --- | --- | --- | --- |
| **Request - Match** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ID | Insert id | integer |  |
| 2 | MatchId | Match id | integer |  |
| 3 | Specifier | Specifier value | string |  |
| 4 | Odd | Odd value | decimal |  |
| **Response – Result** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ResponseCode | Service return code | string |  |
| 2 | ResponseMessage | Service return message | string |  |
| 3 | Data | Service return Boolean value | boolean |  |

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| **Service logic – Execution** |
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| * + Creation of new MatchOdds with the values of given request   + Check if this creation has successfully completed in database, otherwise throw the following exception message : "DB Save : Could not save in db"; |

## [5] – Update Odd

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| --- | --- |
| **General information** | |
| **Transaction name** | UpdateOdd |

### Request - Response

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| --- | --- | --- | --- | --- |
| **Request - Match** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ID | Insert id | integer |  |
| 2 | MatchId | Match id | integer |  |
| 3 | Specifier | Specifier value | string |  |
| 4 | Odd | Odd value | decimal |  |
| **Response – Result** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ResponseCode | Service return code | string |  |
| 2 | ResponseMessage | Service return message | string |  |
| 3 | Data | Service return Boolean value | boolean |  |

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| **Service logic – Execution** |
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|  |
| * + If the match’s odd with the given IDs exists     - Update of the MatchOdds with the values of given request     - Check if this update has been successfully completed in database, otherwise throw the following Exception message : "DB Save : Could not save in db";   + If the match’s odd with the given ID does not exist   + Exception message : " "There is not match with this id" |

## [6] – Delete Odd

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| --- | --- |
| **General information** | |
| **Transaction name** | DeleteOdd |

### Request - Response

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| --- | --- | --- | --- | --- |
| **Request - Match** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ID | Insert id | integer |  |
| 2 | MatchId | Match id | integer |  |
| 3 | Specifier | Specifier value | string |  |
| 4 | Odd | Odd value | decimal |  |
| **Response – Result** | | | | |
| **A/A** | **Name** | **Description** | **DataType** | **Comments** |
| 1 | ResponseCode | Service return code | string |  |
| 2 | ResponseMessage | Service return message | string |  |
| 3 | Data | Service return Boolean value | boolean |  |

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| **Service logic – Execution** |
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|  |
| * + If the match’s odd with the given IDs exists     - Delete of the MatchOdds with the values of given request     - Check if this deletion has been successfully completed in database, otherwise throw the following Exception message : "DB Save : Could not save in db";   + If the match’s odd with the given IDs does not exist   + Exception message : " "There is not match with this id" |