

SoccerPulse

**MS2 Submission - DBS211 Final Project**

* **Data Dictionary and ERD**

**Group 3**

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**Topic: 2023 Women’s WorldCup**

**:: Data Dictionary**

TABLE: PLAYER

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| playerID | NUMBER | 4 |  | PK | Y | 1-9999 | 1234 | Autonumbered identity |
| shirtNumber | NUMBER | 2 |  |  | N | 1-99 | 7 |  |
| position | VARCHAR | 2 |  |  | N |  | ‘MF’ |  |
| height | NUMBER | 3 |  |  | N | 1-999 | 180 | Measured in cm |
| weight | NUMBER | 3 |  |  | N | 1-999 | 90 | Measured in kg |
| clubTeam | VARCHAR | 50 |  |  | N |  | ‘Real-Madrid’ |  |
| dominantFoot | VARCHAR | 1 |  |  | N |  | ‘R’ |  |
| countryID | NUMBER | 4 |  |  | Y | 1-9999 | 1234 |  |

TABLE: PERSON

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| personID | NUMBER | 4 |  | PK | Y | 1-9999 | 1234 | Autonumbered identity |
| firstName | VARCHAR | 40 |  |  | Y |  | ‘Bob’ |  |
| lastName | VARCHAR | 40 |  |  | Y |  | ‘McKenzie’ |  |
| dob | DATE |  |  |  | N |  | 1972/05/16 | Date of Birth (YYYY/MM/DD) |

TABLE: MATCH

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| matchID | NUMBER | 4 |  | PK | Y | 1-9999 | 1234 | Autonumbered identity |
| countryID\_A | VARCHAR | 3 |  | FK | Y |  | ‘CAN’ |  |
| countryID\_B | VARCHAR | 3 |  | FK | Y |  | ‘USA’ |  |
| dateNtime | DATE |  |  |  | Y |  | 2023/07/20 23:00 | Date and time of match (YYYY/MM/DD, hh:mm) |
| venueID | NUMBER | 11 |  | FK | Y | 2000000000-9999999999 | 9055551212 | Assuming North American phone number |
| A\_score | NUMBER | 2 | 0 |  | N | 1-99 | 2 |  |
| B\_score | NUMBER | 2 | 0 |  | N | 1-99 | 2 |  |
| matchType | CHAR | 1 |  | FK | Y |  | ‘G’ |  |

TABLE: MATCH\_TYPE

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| matchType | CHAR | 1 |  | PK | Y |  | ‘G’ | Autonumbered identity |
| matchTypeDesc | VARCHAR | 25 |  |  | Y |  | ‘Group-Stage’ |  |

TABLE: VENUE

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| venueID | NUMBER | 4 |  | PK | Y | 1-9999 | 1234 | Autonumbered identity |
| venueName | VARCHAR | 25 |  |  | Y |  | ‘Seneca-Field’ |  |
| city | VARCHAR | 25 |  |  | N |  | ‘Toronto’ |  |
| capacity | NUMBER | 6 |  |  | Y | 1-999999 | 51344 |  |

TABLE: EVENTS

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| eventID | NUMBER | 4 |  | PK | Y |  |  | Autonumbered identity |
| matchID | NUMBER | 4 |  | FK | Y |  |  |  |
| eventType | VARCHAR | 2 |  | FK | Y |  | ‘GL’, ‘AS’, ‘RC’, ‘YC’ |  |
| playerID | NUMBER | 2 |  | FK | Y |  |  |  |
| regularTime | NUMBER |  | 0 |  | Y |  |  |  |
| additionalTime | NUMBER |  | 0 |  | Y |  |  |  |

TABLE: EVENT\_DESC

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| eventType | VARCHAR | 2 |  | PK | Y |  | ‘YC’ |  |
| eventDesc | VARCHAR | 15 |  |  | Y |  | ‘Yellow Card’ |  |

TABLE: COUNTRY

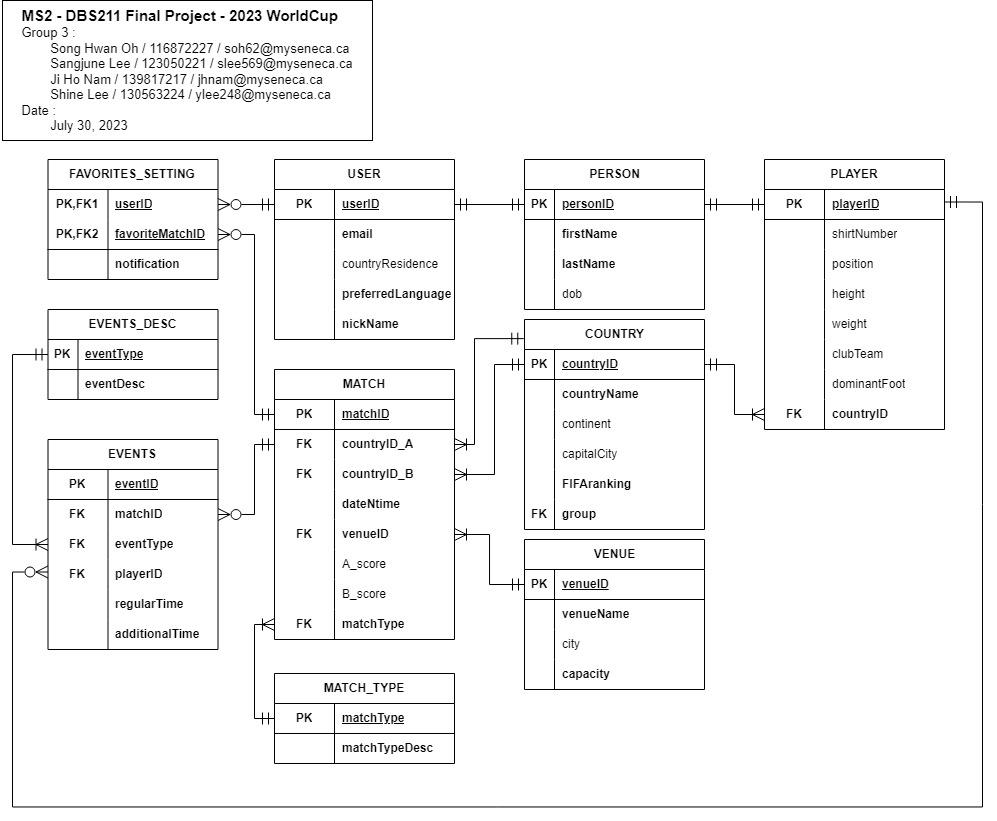
|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| countryID | NUMBER | 4 |  | PK | Y | 1-9999 | 1248 | Autonumbered identity |
| countryName | VARCHAR | 3 |  |  | Y |  | ‘CAN' |  |
| continent | VARCHAR | 10 |  |  | N |  | 'AFC' | Governing body |
| capitalCity | VARCHAR | 30 |  |  | N |  | ‘Ottawa’ | City name |
| FIFAranking | NUMBER | 3 |  |  | Y | 1-999 | 34 |  |
| group | CHAR |  |  | FK | Y |  | 'H' |  |

TABLE: USER

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| userID | NUMBER | 4 |  | PK | Y | 1-9999 | 1111 | Autonumbered identity |
| email | VARCHAR | 50 |  |  | Y |  | ‘AAaa@gmail.com’ | unique |
| countryResidence | VARCHAR | 3 |  |  | N |  | 'USA' |  |
| prefLanguage | VARCHAR | 2 | ‘EN’ |  | Y |  | 'EN'  ‘KR’ |  |
| nickName | VARCHAR | 20 |  |  | Y |  | ‘nickName’,‘nickName12’ | unique |

TABLE: FAVORITES\_SETTING

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK**  **/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| userID | VARCHAR | 20 |  | PK FK | Y | 0-9 A-Z | ‘user’, ‘user22’, ‘user333’ |  |
| favoriteMatchID | NUMBER | 4 |  | PK FK | Y | 1-9999 | 0001 |  |
| notification | BOOLEAN |  | 0 |  | Y | 0-1 | 0, 1 |  |

**:: ERD**