



SoccerPulse

MS2 Submission - DBS211 Final Project

- **Data Dictionary and ERD**

Group 3

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Date : July 30, 2023

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
FIFA ranking	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
<u>userID</u>	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
<u>userID</u>	VARCHAR	20		PK FK	Y	0-9 A-Z	'user', 'user22', 'user333'	
<u>favoriteMatchID</u>	NUMBER	4		PK FK	Y	1-9999	0001	
notification	BOOLEAN		0		Y	0-1	0, 1	

ERD

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