CMPE321

Project 3

Updated Part 2

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CREATE TABLE DBManager (

username *CHAR*(50),

password *CHAR*(50) NOT NULL,

*PRIMARY KEY* (username)

);

CREATE TABLE User (

username *CHAR*(50),

password *CHAR*(50) NOT NULL,

name *CHAR*(50),

surname *CHAR*(50),

*PRIMARY KEY* (username)

);

CREATE TABLE Player (

username *CHAR*(50),

date\_of\_birth *DATE*,

height *INT*,

weight *INT*,

*PRIMARY KEY* (username),

*FOREIGN KEY* (username) *REFERENCES* User (username)

);

CREATE TABLE Coach (

username *CHAR*(50),

nationality *CHAR*(50) NOT NULL,

*PRIMARY KEY* (username),

*FOREIGN KEY* (username) *REFERENCES* User (username)

);

CREATE TABLE Jury (

username *CHAR*(50),

nationality *CHAR*(50) NOT NULL,

*PRIMARY KEY* (username),

*FOREIGN KEY* (username) *REFERENCES* User (username)

);

CREATE TABLE Position (

position\_ID *INT*,

position\_name *CHAR*(50) NOT NULL,

*PRIMARY KEY* (position\_ID)

);

CREATE TABLE Channel (

channel\_ID *INT*,

channel\_name *CHAR*(50) NOT NULL,

*PRIMARY KEY* (channel\_ID)

);

CREATE TABLE Team (

team\_ID *INT*,

team\_name *CHAR*(50) NOT NULL,

channel\_ID *INT* NOT NULL,

*PRIMARY KEY* (team\_ID),

*FOREIGN KEY* (channel\_ID) *REFERENCES* Channel (channel\_ID)

);

CREATE TABLE Stadium (

stadium\_id *INT*,

stadium\_name *CHAR*(50) NOT NULL,

stadium\_country *CHAR*(50) NOT NULL,

*PRIMARY KEY* (stadium\_id)

);

CREATE TABLE Date\_Time (

date\_of *DATE*,

timeslot *INT*,

*PRIMARY KEY* (date\_of, timeslot),

*CHECK* (timeslot >= 1 AND timeslot <= 3)

);

CREATE TABLE Match\_Sessions (

session\_ID *INT*,

team\_ID *INT* NOT NULL,

stadium\_id *INT* NOT NULL,

date\_of *DATE* NOT NULL,

timeslot *INT* NOT NULL,

*PRIMARY KEY* (session\_ID),

UNIQUE (stadium\_id, date\_of, timeslot),

*FOREIGN KEY* (team\_ID) *REFERENCES* Team (team\_ID),

*FOREIGN KEY* (stadium\_id) *REFERENCES* Stadium (stadium\_id),

*FOREIGN KEY* (date\_of, timeslot) *REFERENCES* Date\_Time (date\_of, timeslot)

);

CREATE TABLE Can\_Play (

username *CHAR*(50),

position\_id *INT*,

*PRIMARY KEY* (username, position\_id),

*FOREIGN KEY* (username) *REFERENCES* Player (username),

*FOREIGN KEY* (position\_id) *REFERENCES* Position (position\_ID)

);

CREATE TABLE Registered (

username *CHAR*(50),

team\_ID *INT*,

*PRIMARY KEY* (username, team\_ID),

*FOREIGN KEY* (username) *REFERENCES* Player (username),

*FOREIGN KEY* (team\_ID) *REFERENCES* Team (team\_ID)

);

CREATE TABLE In\_Contract (

team\_ID *INT*,

username *CHAR*(50) NOT NULL,

contract\_start *DATE* NOT NULL,

contract\_finish *DATE* NOT NULL,

*PRIMARY KEY* (team\_ID),

*FOREIGN KEY* (username) *REFERENCES* Coach (username),

*FOREIGN KEY* (team\_ID) *REFERENCES* Team (team\_ID)

);

CREATE TABLE Rates (

session\_ID *INT*,

username *CHAR*(50),

rating *DECIMAL*(2, 1) NOT NULL,

*PRIMARY KEY* (session\_ID),

*FOREIGN KEY* (session\_ID) *REFERENCES* Match\_Sessions (session\_ID),

*FOREIGN KEY* (username) *REFERENCES* Jury (username)

);

CREATE TABLE Player\_Plays\_In (

username *CHAR*(50),

session\_ID *INT*,

position\_ID *INT* NOT NULL,

*PRIMARY KEY* (username, session\_ID),

*FOREIGN KEY* (username) *REFERENCES* Player (username),

*FOREIGN KEY* (session\_ID) *REFERENCES* Match\_Sessions (session\_ID),

*FOREIGN KEY* (position\_ID) *REFERENCES* Position (position\_ID)

);