

# CPSC 304 Project Cover Page

Milestone #: 2

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Group Number: 21

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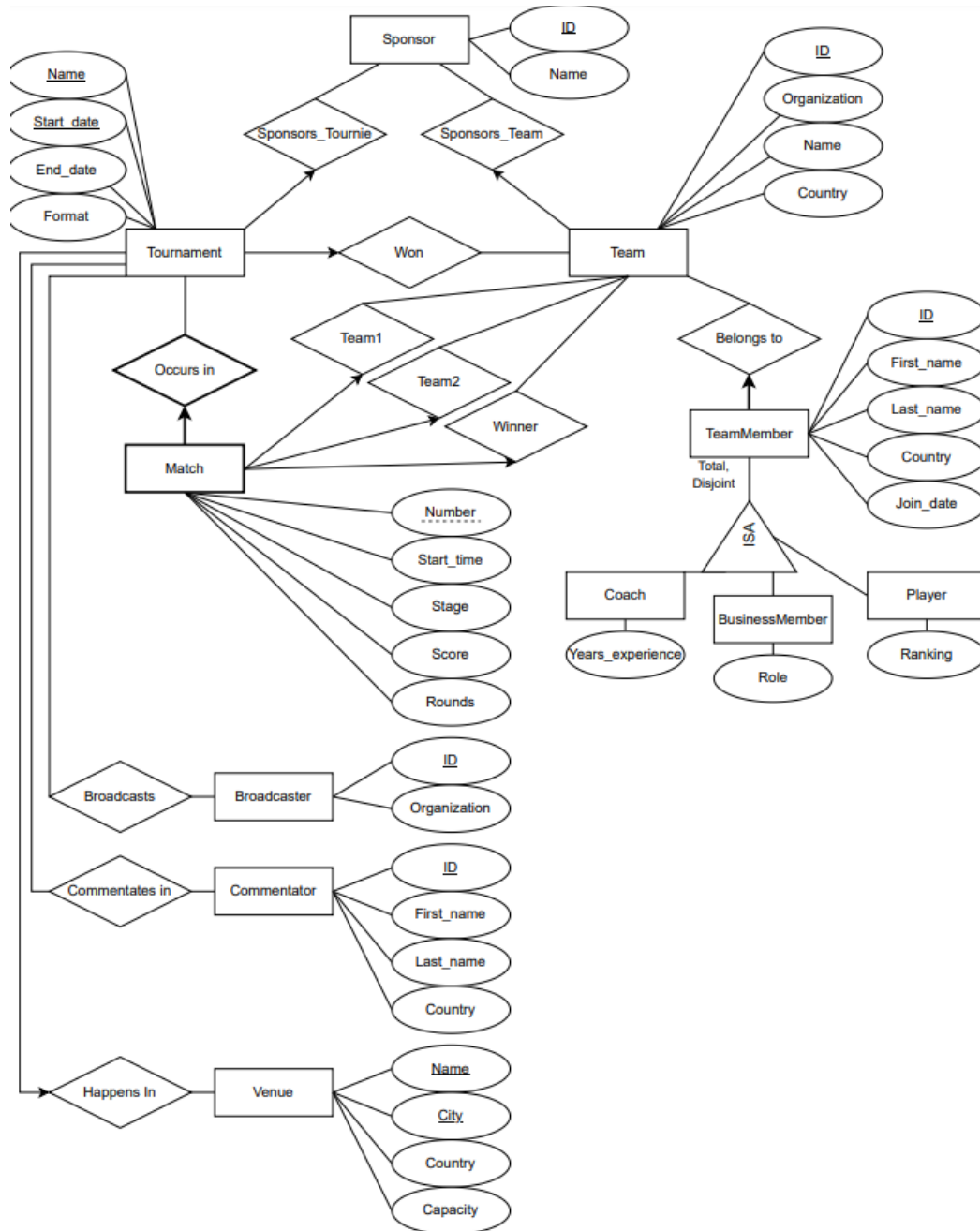
By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

### Brief summary of project (2-3 sentences)

2. Our project involves creating a sports tournament database that models how tournaments are organized and recorded. The database records various details about tournaments, such as formats, dates, and match results, and associated participants like teams, sponsors, commentators, and broadcasters.

### 3. ERD



**Note:** Did not make any new changes to the ERD, as both the TA and the group believes that the ERD is sufficient.

#### 4. Schema

##### a) Table Definition

Table Name	Schema
Tournament	Tournament( <u>Name</u> : varchar, <u>Start_date</u> : date, End_date: date, Format: varchar, <b>Venue_name</b> : varchar, <b>Venue_city</b> : varchar, <b>Sponsor_ID</b> : int, <b>Winning_team</b> : int)
Match	Match( <u>Number</u> : int, Start_time: time, Stage: varchar, Score: int, Rounds: int, <b>Team1</b> : int, <b>Team2</b> : int, <b>Winner</b> : int, <b>Tournament Name</b> : varchar, <b>Tournament Start date</b> : date)
Commentator	Commentator( <u>ID</u> : int, First_Name: varchar, Last_Name: varchar, Country: varchar)
Commentates	Commentates( <b>Tournament Name</b> : varchar, <b>Tournament Start date</b> : date, <b>Commentator_ID</b> : int)
Broadcaster	Broadcaster( <u>ID</u> : int, Organization: varchar)
Broadcasts	Broadcasts( <b>Tournament Name</b> : varchar, <b>Tournament Start date</b> : date, <b>Broadcaster_ID</b> : int)
Venue	Venue( <u>Name</u> : varchar, <u>City</u> : varchar, Country: varchar, Capacity: int)
Sponsor	Sponsor( <u>ID</u> : int, Name: varchar)
Team	Team( <u>ID</u> : int, Organization: varchar, Name: varchar, Country: varchar)
Coach	Coach( <u>ID</u> : int, First_name: varchar, Last_name: varchar, Country: varchar, Join_date: date, Years_experience: int, <b>Team_ID</b> : int)
BusinessMember	BusinessMember( <u>ID</u> : int, First_name: varchar, Last_name: varchar, Country: varchar, Join_date: date, Role: varchar, <b>Team_ID</b> : int)
Player	Player( <u>ID</u> : int, First_name: varchar, Last_name: varchar, Country: varchar, Join_date: date, Ranking: int, <b>Team_ID</b> : int)

## b) Keys and Constraints

	Primary Key	Candidate Key	Foreign Key	Constraints
<b>Tournament</b>	(Name, Start_date)	(Name, Start_date)	Venue_name, Venue_city, Sponsor_ID, Winning_team	<b>Not null</b> = End_date, Format  <b>Misc:</b> End_date >= Start_date
<b>Match</b>	(Number, Tournament_Name, Tournament_Start_date)	(Number, Tournament_Name, Tournament_Start_date)	Team1, Team2, Winner, Tournament_Name, Tournament_Start_date	<b>Not null</b> = Stage, Rounds
<b>Commentator</b>	ID	ID	n/a	<b>Not null</b> = First_name, Last_name
<b>Commentates</b>	(Tournament_Name, Tournament_Start_date, Commentator_ID)	(Tournament_Name, Tournament_Start_date, Commentator_ID)	Tournament_Name, Tournament_Start_date, Commentator_ID	n/a
<b>Broadcaster</b>	ID	ID	n/a	<b>Not null</b> = Organizatio n
<b>Broadcasts</b>	(Tournament_Name, Tournament_Start_date, Broadcaster_ID)	(Tournament_Name, Tournament_Start_date, Broadcaster_ID)	Tournament_Name, Tournament_Start_date, Broadcaster_ID	n/a
<b>Venue</b>	(Name, City)	(Name, City)	n/a	<b>Not null</b> = Country
<b>Sponsor</b>	ID	ID	n/a	<b>Not null</b> = Name
<b>Team</b>	ID	ID, Name	n/a	<b>Not null</b> = Organizatio n, Name  <b>Unique</b> = Organizatio n, Name, Country
<b>Coach</b>	ID	ID	Team_ID	<b>Not null</b> = First_name, Last_name, Join_date,

				Country, Years_experience, Team_ID
<b>Business Member</b>	ID	ID	Team_ID	<b>Not null =</b> First_name, Last_name, Country, Join_date, Role, Team_ID
<b>Player</b>	ID	ID, Ranking	Team_ID	<b>Not null =</b> First_name, Last_name, Join_date, Country, Ranking, Team_ID  <b>Unique =</b> Ranking

**\*Note: All primary keys are subject to the not null and unique constraints**

## 5. Functional Dependencies

Tournament

- Name, Start\_date → End\_date, Format, Venue\_name, Venue\_city, Sponsor\_ID, Winning\_team

Match

- Number, Tournament\_Name, Tournament\_Start\_date → Start\_time, Stage, Score, Rounds, Team1, Team2, Winner
- Stage → Rounds

Commentator

- ID → First\_Name, Last\_Name, Country

Commentates

- Only trivial FDs

Broadcaster

- ID → Organization

Broadcasts

- Only trivial FDs

Venue

- Name, City → Country, Capacity

Sponsor

- ID → Name

Team

- ID → Organization, Name, Country
- Name → Organization, Country, ID
- Organization → Country

Coach

- ID → First\_name, Last\_name, Country, Join\_date, Years\_experience, Team\_ID

BusinessMember

- ID → First\_name, Last\_name, Country, Join\_date, Role, Team\_ID

Player

- ID → First\_name, Last\_name, Country, Join\_date, Ranking, Team\_ID
- Ranking → First\_name, Last\_name, Country, Join\_date, ID, Team\_ID

## 6. Normalization

Note: Within photos, all tables and attributes are abbreviated to its appropriate acronyms, retaining the order of the original lists.

Reference: For a table to be in 3NF, attributes on the LHS must be a superkey or the RHS is part of a minimal key. A relation is in BCNF if  $X \rightarrow b$  is a non-trivial dependency in R and X is a superkey for R.

- Tournament(Name: varchar, Start\_date: date, End\_date: date, Format: varchar, **Venue\_name**: varchar, **Venue\_city**: varchar, **Sponsor\_ID**: int, **Winning\_team**: int)
  - **FDs:**
    - Name, Start\_date → End\_date, Format, **Venue\_name**, **Venue\_city**, **Sponsor\_ID**, **Winning\_team**

- Already in BCNF because (Name, Start\_date) is a super key
- **Candidate keys:** (Name, Start\_date)
- **Foreign keys:** bolded in FDs
- **Primary keys:** underlined in FDs
- Match(Number: int, Start\_time: time, Stage: varchar, Score: int, Rounds: int, **Team1**: int, **Team2**: int, **Winner**: int, **Tournament Name**: varchar, **Tournament Start date**: date)
  - **FDs:**
    - Number, **Tournament Name**, **Tournament Start date** → Start\_time, Stage, Score, Rounds, Team1, Team2, Winner
    - Stage → Rounds

### M(N, S\_t, St, Sc, R, T1, T2, W, T\_N, T\_S\_d)

FDs:

- N, T\_N, T\_S\_d → S\_t, St, Sc, R, T1, T2, W
- St → R

Minimal cover:

- N, T\_N, T\_S\_d → S\_t
- N, T\_N, T\_S\_d → St
- N, T\_N, T\_S\_d → Sc
- N, T\_N, T\_S\_d → R
- N, T\_N, T\_S\_d → T1
- N, T\_N, T\_S\_d → T2
- N, T\_N, T\_S\_d → W
- St → R

Decomposition:

M1(St, R)    M2(St, N, T\_N, T\_S\_d, S\_t, Sc, T1, T2, W)

- 
- **Normalized tables:** Match<sub>1</sub>(Stage, Rounds), Match<sub>2</sub>(**Stage**, Number, **Tournament Name**, **Tournament Start date**, Start\_time, Score, **Team1**, **Team2**, **Winner**)
- **Candidate keys:** (Number, Tournament\_Name, Tournament\_Start\_date)
- **Foreign keys:** bolded in normalized table
- **Primary keys:** underlined in normalized table
- Commentator(ID: int, First\_Name: varchar, Last\_Name: varchar, Country: varchar)
  - **FDs:**
    - ID → First\_Name, Last\_Name, Country
  - Already in BCNF because (ID) is a super key
  - **Candidate keys:** ID
  - **Foreign keys:** none
  - **Primary keys:** underlined in FDs
- Commentates(**Tournament Name**: varchar, **Tournament Start date**: date, **Commentator ID**: int)
  - Trivial FDs
  - Already in BCNF because of trivial FDs
  - **Candidate keys:** (Tournament\_Name, Tournament\_Start\_date, Commentator\_ID)
  - **Foreign keys:** bolded in FDs
  - **Primary keys:** underlined in FDs

- Broadcaster(ID: int, Organization: varchar)
  - **FDs:**
    - ID → Organization
  - Already in BCNF because (ID) is a super key
  - **Candidate keys:** ID
  - **Foreign keys:** none
  - **Primary keys:** underlined in FDs
- Broadcasts(**Tournament\_Name**: varchar, Tournament\_Start\_date: date, **Broadcaster\_ID**: int)
  - Trivial FDs
  - Already in BCNF because of trivial FDs
  - **Candidate keys:** (Tournament\_Name, Tournament\_Start\_date, Broadcaster\_ID)
  - **Foreign keys:** bolded in FDs
  - **Primary keys:** underlined in FDs
- Venue(Name: varchar, City: varchar, Country: varchar, Capacity: int)
  - **FDs:**
    - Name, City → Country, Capacity
  - Already in BCNF because (Name, City) is a super key
  - **Candidate keys:** (Name, City)
  - **Foreign keys:** none
  - **Primary keys:** underlined in FDs
- Sponsor(ID: int, Name: varchar)
  - **FDs:**
    - ID → Name
  - Already in BCNF because (ID) is a super key
  - **Candidate keys:** ID
  - **Foreign keys:** none
  - **Primary keys:** underlined in FDs
- Team(ID: int, Organization: varchar, Name: varchar, Country: varchar)
  - **FDs:**
    - ID → Organization, Name, Country
    - Name → Organization, Country, ID
    - Organization → Country



## T(I, O, N, C)

FDs:

- I → O, N, C
- N → O, C, I
- O → C

Minimal cover:

- I → O
- I → N
- I → C
- N → O
- N → C
- N → I
- O → C

Decomposition:

T1(O, C)    T2(I, N, O)

- 
- **Normalized tables:** Team<sub>1</sub>(Organization, Country), Team<sub>2</sub>(ID, Name, **Organization**)
- **Candidate keys:** ID, Name
- **Foreign keys:** bolded in normalized table
- **Primary keys:** underlined in normalized table
- Coach(ID: int, First\_name: varchar, Last\_name: varchar, Country: varchar, Join\_date: date, Years\_experience: int, **Team\_ID**: int)
  - **FDs:**
    - ID → First\_name, Last\_name, Country, Join\_date, Years\_experience, **Team\_ID**
  - Already in BCNF because ID is a super key.
  - **Candidate keys:** ID
  - **Foreign keys:** bolded in FDs
  - **Primary keys:** underlined in FDs
- BusinessMember(ID: int, First\_name: varchar, Last\_name: varchar, Country: varchar, Join\_date: date, Role: varchar, **Team\_ID**: int)
  - **FDs:**
    - ID → First\_name, Last\_name, Country, Join\_date, Role, **Team\_ID**
  - Already in BCNF because ID is a super key.
  - **Candidate keys:** ID
  - **Foreign keys:** bolded in FDs
  - **Primary keys:** underlined in FDs
- Player(ID: int, First\_name: varchar, Last\_name: varchar, Country: varchar, Join\_date: date, Ranking: int, **Team\_ID**: int)
  - **FDs:**
    - ID → First\_name, Last\_name, Country, Join\_date, Ranking, **Team\_ID**
    - Ranking → First\_name, Last\_name, Country, Join\_date, ID, **Team\_ID**
  - Already in BCNF because ID and Ranking are both super keys.
  - **Candidate keys:** ID, Ranking
  - **Foreign keys:** bolded in FDs
  - **Primary keys:** underlined in FDs

## 7. SQL:

```
CREATE TABLE Tournament(  
    Name VARCHAR,  
    Start_date DATE,  
    End_date DATE,  
    Format VARCHAR NOT NULL,  
    Venue_name VARCHAR,  
    FOREIGN KEY (Venue_name) REFERENCES Venue(Name)  
        ON DELETE SET NULL  
        ON UPDATE CASCADE,  
    Venue_city VARCHAR,  
    FOREIGN KEY (Venue_city) REFERENCES Venue(City)  
        ON DELETE SET NULL  
        ON UPDATE CASCADE,  
    Sponsor_ID INT,  
    FOREIGN KEY (Sponsor_ID) REFERENCES Sponsor(ID)  
        ON DELETE SET NULL  
        ON UPDATE CASCADE,  
    Winning_team INT,  
    FOREIGN KEY (Winning_team) REFERENCES Team(ID)  
        ON DELETE SET NULL  
        ON UPDATE CASCADE,  
    PRIMARY KEY (Name, Start_date),  
    CHECK (End_date >= Start_date)  
);  
  
CREATE TABLE Match1(  
    Stage VARCHAR PRIMARY KEY,  
    Rounds INT NOT NULL  
);  
  
CREATE TABLE Match2(  
    Number INT,  
    Tournament_name VARCHAR NOT NULL,  
    FOREIGN KEY (Tournament_name) REFERENCES Tournament(Name)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    Tournament_Start_date DATE NOT NULL,  
    FOREIGN KEY (Tournament_Start_date) REFERENCES Tournament(Start_date)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    Start_time TIME NOT NULL,
```

```

Score VARCHAR NOT NULL,
Team1 INT,
FOREIGN KEY (Team1) REFERENCES Team(ID)
    ON DELETE SET NULL
    ON UPDATE CASCADE,
Team2 INT,
FOREIGN KEY (Team2) REFERENCES Team(ID)
    ON DELETE SET NULL
    ON UPDATE CASCADE,
Winner INT,
FOREIGN KEY (Winner) REFERENCES Team(ID)
    ON DELETE SET NULL
    ON UPDATE CASCADE,
Stage VARCHAR NOT NULL,
FOREIGN KEY (Stage) REFERENCES Match1(Stage)
    ON DELETE NO ACTION
    ON UPDATE CASCADE,
PRIMARY KEY (Number, Tournament_name, Tournament_Start_date),
);

```

```

CREATE TABLE Commentator(
    ID INT PRIMARY KEY,
    First_name VARCHAR NOT NULL,
    Last_name VARCHAR NOT NULL,
    Country VARCHAR
);

```

```

CREATE TABLE Commentates(
    Tournament_name INT,
    FOREIGN KEY (Tournament_name) REFERENCES Tournament(Name)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    Tournament_start_date DATE,
    FOREIGN KEY (Tournament_start_date) REFERENCES Tournament(Start_date)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    Commentator_ID INT,
    FOREIGN KEY (Commentator_ID) REFERENCES Commentator(ID)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    PRIMARY KEY (Tournament_name, Tournament_start_date, Commentator_ID)
);

```

```
CREATE TABLE Broadcaster(  
    ID INT PRIMARY KEY,  
    Organization VARCHAR NOT NULL  
);
```

```
CREATE TABLE Broadcasts(  
    Tournament_name INT,  
    FOREIGN KEY (Tournament_name) REFERENCES Tournament(Name)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    Tournament_start_date DATE,  
    FOREIGN KEY (Tournament_start_date) REFERENCES Tournament(Start_date)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    Broadcaster_ID INT,  
    FOREIGN KEY (Broadcaster_ID) REFERENCES Broadcaster(ID)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    PRIMARY KEY(Tournament_name, Tournament_start_date, Broadcaster_ID)  
);
```

```
CREATE TABLE Venue(  
    Name VARCHAR,  
    City VARCHAR,  
    Country VARCHAR NOT NULL,  
    Capacity INT,  
    PRIMARY KEY (Name, City)  
);
```

```
CREATE TABLE Sponsor(  
    ID INT PRIMARY KEY,  
    Name VARCHAR NOT NULL  
);
```

```
CREATE TABLE Team1(  
    Organization VARCHAR PRIMARY KEY,  
    Country VARCHAR NOT NULL  
);
```

```
CREATE TABLE Team2(  
    ID INT PRIMARY KEY,
```

```
        Name VARCHAR UNIQUE NOT NULL,  
        Organization VARCHAR NOT NULL,  
        FOREIGN KEY (Organization) REFERENCES Team1(Organization) ON DELETE CASCADE ON UPDATE  
CASCADE  
);
```

```
CREATE TABLE Coach(  
    ID INT PRIMARY KEY,  
    First_name VARCHAR NOT NULL,  
    Last_name VARCHAR NOT NULL,  
    Country VARCHAR NOT NULL,  
    Join_date DATE NOT NULL,  
    Years_experience INT NOT NULL  
    Team_ID INT NOT NULL,  
    FOREIGN KEY (Team_ID) REFERENCES Team(ID) ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE BusinessMember(  
    ID INT PRIMARY KEY,  
    First_name VARCHAR NOT NULL,  
    Last_name VARCHAR NOT NULL,  
    Country VARCHAR NOT NULL,  
    Join_date DATE NOT NULL,  
    Role VARCHAR NOT NULL,  
    Team_ID INT NOT NULL,  
    FOREIGN KEY (Team_ID) REFERENCES Team(ID) ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE PLAYER(  
    ID INT PRIMARY KEY,  
    First_name VARCHAR NOT NULL,  
    Last_name VARCHAR NOT NULL,  
    Country VARCHAR NOT NULL,  
    Join_date DATE NOT NULL,  
    Ranking INT UNIQUE NOT NULL,  
    Team_ID INT NOT NULL,  
    FOREIGN KEY (Team_ID) REFERENCES Team(ID) ON DELETE CASCADE ON UPDATE CASCADE  
);
```

## 8. Insertion

INSERT INTO Tournament	VALUES ('TournamentA', '2012-04-08', '2012-04-12', 'Progression', 'VenueA', 'Shanghai', 123, 1);
INSERT INTO Tournament	VALUES ('TournamentB', '2020-12-07', '2020-12-21', 'Elimination', 'VenueB', 'Vancouver', 128, 5);
INSERT INTO Tournament	VALUES ('TournamentC', '2016-11-03', '2016-11-09', 'Elimination', 'VenueC', 'Helsinki', 21, 4);
INSERT INTO Tournament	VALUES ('LOL', '2018-11-05', '2018-11-05', 'Elimination', 'VenueD', 'Incheon', 1,1);
INSERT INTO Tournament	VALUES ('2018 Winter Olympics', '2018-02-09', '2018-02-25', 'Progression', 'VenueE', 'PyeongChang', 127, 23);
INSERT INTO Match	VALUES (1, '17:00:00', 'Finals', 0, 5, 101, 102, 101, 'LOL', '2018-11-05');
INSERT INTO Match	VALUES (2, '15:00:00', 'Semifinals', 5, 5, 101, 104, 101, 'LOL', '2018-11-05');
INSERT INTO Match	VALUES (3, '15:00:00', 'Semifinals', 4, 5, 102, 103, 102, 'LOL', '2018-11-05');
INSERT INTO Match	VALUES (4, '12:30:00', 'Qualification', 2, 3, 101, 105, 105, 'TournamentA', '2012-04-08');
INSERT INTO Match	VALUES (5, '09:45:00', 'Quarterfinals', 3, 3, 102, 104, 104, 'TournamentB', '2020-12-07');
INSERT INTO Commentator	VALUES (1, 'Amber', 'Abbott', 'USA');
INSERT INTO Commentator	VALUES (2, 'Bob', 'Brown', 'Canada');
INSERT INTO Commentator	VALUES (3, 'Catherine', 'Campbell', 'UK');
INSERT INTO Commentator	VALUES (4, 'David', 'Dan', 'China');
INSERT INTO Commentator	VALUES (5, 'Elizabeth', 'Emery', 'France');
INSERT INTO Commentates	VALUES ('TournamentA', '2012-04-08', 1);
INSERT INTO Commentates	VALUES ('TournamentB', '2020-12-07', 2);
INSERT INTO Commentates	VALUES ('TournamentC', '2016-11-03', 3);
INSERT INTO Commentates	VALUES ('LOL', '2018-11-05', 4);
INSERT INTO Commentates	VALUES ('2018 Winter Olympics', '2018-02-09', 5);
INSERT INTO Broadcaster	VALUES (101, 'NBC');
INSERT INTO Broadcaster	VALUES (202, 'CBC');
INSERT INTO Broadcaster	VALUES (303, 'BBC');
INSERT INTO Broadcaster	VALUES (404, 'CTV');
INSERT INTO Broadcaster	VALUES (505, 'BTV');
INSERT INTO Broadcasts	VALUES ('TournamentA', '2012-04-08', 1);
INSERT INTO Broadcasts	VALUES ('TournamentB', '2020-12-07', 2);

INSERT INTO Broadcasts	VALUES ('TournamentC', '2016-11-03', 3);
INSERT INTO Broadcasts	VALUES ('LOL', '2018-11-05', 4);
INSERT INTO Broadcasts	VALUES ('2018 Winter Olympics', '2018-02-09', 5);
INSERT INTO Venue	VALUES ('VenueA', 'Shanghai', 'China', 100000);
INSERT INTO Venue	VALUES ('VenueB', 'Vancouver', 'Canada', 100000);
INSERT INTO Venue	VALUES ('VenueC', 'Helsinki', 'Finland', 100000);
INSERT INTO Venue	VALUES ('VenueD', 'Incheon', 'South Korea', 50000);
INSERT INTO Venue	VALUES ('VenueE', 'PyeongChang', 'South Korea', 100000);
INSERT INTO Sponsor	VALUES (11, 'Michael');
INSERT INTO Sponsor	VALUES (22, 'Nicole');
INSERT INTO Sponsor	VALUES (33, 'Oxford');
INSERT INTO Sponsor	VALUES (44, 'Piper');
INSERT INTO Sponsor	VALUES (55, 'Quann');
INSERT INTO Team	VALUES (101, 'OrgA', 'TeamA', 'Canada');
INSERT INTO Team	VALUES (102, 'OrgB', 'TeamB', 'USA');
INSERT INTO Team	VALUES (103, 'OrgC', 'TeamC', 'Mexico');
INSERT INTO Team	VALUES (104, 'OrgD', 'TeamD', 'Japan');
INSERT INTO Team	VALUES (105, 'OrgE', 'TeamE', 'Finland');
INSERT INTO Coach	VALUES (1010, 'Frank', 'Freeman', 'France', '2021-10-02', 2, 101);
INSERT INTO Coach	VALUES (1020, 'Gary', 'Green', 'Germany', '2015-02-12', 8, 102);
INSERT INTO Coach	VALUES (1030, 'Helen', 'Hall', 'Hungary', '2018-11-06', 5, 103);
INSERT INTO Coach	VALUES (1040, 'Irene', 'Idd', 'Iceland', '2000-09-21', 23, 104);
INSERT INTO Coach	VALUES (1040, 'Jackson', 'Johnson', 'Japan', '2008-12-31', 15, 105);
INSERT INTO BusinessMember	VALUES (111, 'Kelly', 'Kwan', 'Korea', '2023-02-01', 'Manager', 101);
INSERT INTO BusinessMember	VALUES (222, 'Lesley', 'Lee', 'Luxembourg', '2020-01-01', 'Director', 102);
INSERT INTO BusinessMember	VALUES (333, 'Michelle', 'Miller', 'Morocco', '2018-02-17', 'Doctor', 103);
INSERT INTO BusinessMember	VALUES (444, 'Nelson', 'Nelson', 'New Zealand', '2019-12-31', 'Doctor', 104);
INSERT INTO BusinessMember	VALUES (555, 'Olivia', 'O'Brien', 'Oman', '2017-05-31', 'Manager', 105);
INSERT INTO Player	VALUES (666, 'Patrick', 'Parker', 'Canada', '2018-02-05', 6, 101);
INSERT INTO Player	VALUES (777, 'Quinna', 'Quarles', 'USA', '2020-12-31', 2, 102);
INSERT INTO Player	VALUES (888, 'Rachel', 'Rayon', 'Mexico', '2023-01-01', 8, 103);
INSERT INTO Player	VALUES (999, 'Sylvia', 'Sin', 'Japan', '2019-07-31', 7, 104);
INSERT INTO Player	VALUES (1010, 'Tim', 'Thomas', 'Finland', '2022-10-31', 1, 105);