CompeteNow: a Tournament Organization Platform

Milestone: Implementation in MySQL Group 24

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Percentage of Effort Contributed by Student1: 100%

Signature of Student 1:

Submission Date: 10/23/2024

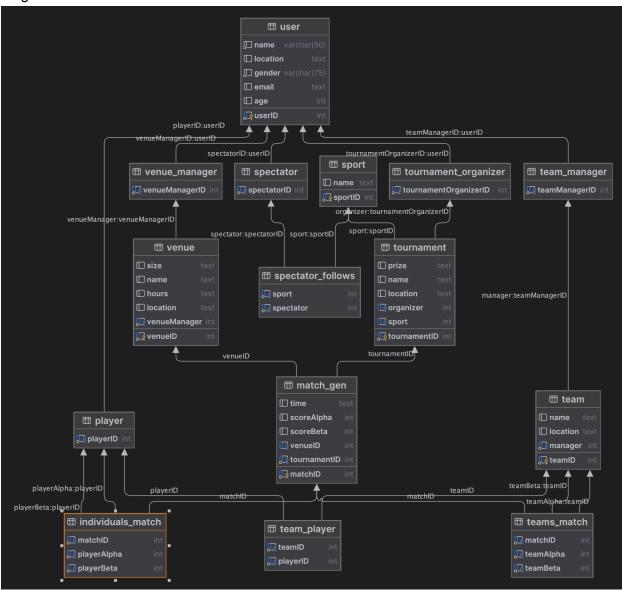
Code:

```
DROP database if exists competition;
CREATE DATABASE IF NOT EXISTS competition;
USE competition;
CREATE TABLE IF NOT EXISTS user (
);
CREATE TABLE IF NOT EXISTS team manager (
delete cascade
);
CREATE TABLE IF NOT EXISTS player (
);
CREATE TABLE IF NOT EXISTS venue manager (
delete cascade
);
CREATE TABLE IF NOT EXISTS spectator (
delete cascade
);
CREATE TABLE IF NOT EXISTS tournament organizer (
cascade on delete cascade
);
```

```
);
CREATE TABLE IF NOT EXISTS sport (
);
CREATE TABLE IF NOT EXISTS spectator follows (
  foreign key (sport) references sport (sportID) on update cascade on delete
cascade,
  foreign key (spectator) references spectator (spectatorID) on update cascade
);
CREATE TABLE IF NOT EXISTS tournament (
  foreign key (organizer) references tournament organizer
(tournamentOrganizerID) on update cascade,
  foreign key (sport) references sport (sportID) on update cascade
);
CREATE TABLE IF NOT EXISTS team (
cascade on delete cascade
);
```

```
CREATE TABLE IF NOT EXISTS team player (
cascade,
  foreign key (playerID) references player (playerID) on update cascade on
delete cascade
);
);
CREATE TABLE IF NOT EXISTS teams match (
cascade,
cascade
CREATE TABLE IF NOT EXISTS individuals match (
delete cascade,
   foreign key (playerAlpha) references player (playerID) on update cascade on
delete cascade,
  foreign key (playerBeta) references player (playerID) on update cascade on
delete cascade
```

Diagram:



Data:

```
USE competition;
insert into user (userID, name, location, gender, email, age) values (1,
insert into user (userID, name, location, gender, email, age) values (2,
insert into user (userID, name, location, gender, email, age) values (3,
insert into user (userID, name, location, gender, email, age) values (4,
insert into user (userID, name, location, gender, email, age) values (5, 'Chic
Wasbrough', 'Indiana', 'Male', 'cwasbrough4@ustream.tv', 74);
insert into user (userID, name, location, gender, email, age) values (6,
insert into user (userID, name, location, gender, email, age) values (7, 'Rose
Maliphant', 'Georgia', 'Female', 'rmaliphant6@un.org', 36);
insert into user (userID, name, location, gender, email, age) values (8, 'Leroy
Simmons', 'Alabama', 'Male', 'lsimmons7@alibaba.com', 80);
insert into user (userID, name, location, gender, email, age) values (9,
'Missie Deverill', 'Connecticut', 'Female', 'mdeverill8@etsy.com', 47);
insert into user (userID, name, location, gender, email, age) values (10,
insert into user (userID, name, location, gender, email, age) values (12, 'Gale
Tewnion', 'Texas', 'Male', 'gtewnionb@pen.io', 54);
insert into user (userID, name, location, gender, email, age) values (17,
insert into user (userID, name, location, gender, email, age) values (18,
insert into user (userID, name, location, gender, email, age) values (19,
insert into user (userID, name, location, gender, email, age) values (20,
insert into user (userID, name, location, gender, email, age) values (21,
```

```
insert into user (userID, name, location, gender, email, age) values (22, 'Garv
Levinge', 'Florida', 'Male', 'glevingel@tinypic.com', 17);
insert into user (userID, name, location, gender, email, age) values (23, 'Kit
Leach', 'Georgia', 'Male', 'kleachm@twitpic.com', 48);
insert into user (userID, name, location, gender, email, age) values (24,
insert into user (userID, name, location, gender, email, age) values (25,
insert into user (userID, name, location, gender, email, age) values (26,
insert into user (userID, name, location, gender, email, age) values (27,
'Kathryne Horning', 'Georgia', 'Female', 'khorningq@themeforest.net', 15);
insert into user (userID, name, location, gender, email, age) values (28,
insert into user (userID, name, location, gender, email, age) values (29, 'Kev
Olley', 'Oregon', 'Male', 'kolleys@washingtonpost.com', 12);
insert into user (userID, name, location, gender, email, age) values (30,
'Lynnea Tireman', 'Massachusetts', 'Female', 'ltiremant@gov.uk', 18);
insert into user (userID, name, location, gender, email, age) values (31,
'Marnie Grinston', 'Florida', 'Agender', 'mgrinstonu@nature.com', 84);
insert into user (userID, name, location, gender, email, age) values (32,
'Kaylyn Volant', 'Arizona', 'Female', 'kvolantw@digg.com', 31);
insert into user (userID, name, location, gender, email, age) values (34,
insert into user (userID, name, location, gender, email, age) values (36,
insert into user (userID, name, location, gender, email, age) values (37,
insert into user (userID, name, location, gender, email, age) values (38,
insert into user (userID, name, location, gender, email, age) values (39,
insert into user (userID, name, location, gender, email, age) values (40,
insert into user (userID, name, location, gender, email, age) values (41,
45);
insert into user (userID, name, location, gender, email, age) values (43,
insert into user (userID, name, location, gender, email, age) values (44,
insert into user (userID, name, location, gender, email, age) values (45,
```

```
insert into user (userID, name, location, gender, email, age) values (46, 'Arty
Marston', 'North Carolina', 'Male', 'amarston19@ucla.edu', 22);
insert into user (userID, name, location, gender, email, age) values (47,
insert into user (userID, name, location, gender, email, age) values (48,
insert into user (userID, name, location, gender, email, age) values (49,
insert into user (userID, name, location, gender, email, age) values (50,
insert into user (userID, name, location, gender, email, age) values (51,
insert into user (userID, name, location, gender, email, age) values (52,
'Pearla Cusiter', 'Missouri', 'Female', 'pcusiter1f@cmu.edu', 51);
insert into user (userID, name, location, gender, email, age) values (53, 'Abie
Dawid', 'Tennessee', 'Male', 'adawid1g@xing.com', 47);
insert into user (userID, name, location, gender, email, age) values (54, 'Jud
Roe', 'Pennsylvania', 'Male', 'jroe1h@illinois.edu', 81);
insert into user (userID, name, location, gender, email, age) values (55,
'Ashley Enefer', 'Texas', 'Female', 'aeneferli@netvibes.com', 66);
insert into user (userID, name, location, gender, email, age) values (56,
'Analiese Bathoe', 'Pennsylvania', 'Female', 'abathoe1j@gravatar.com', 15);
insert into user (userID, name, location, gender, email, age) values (58,
insert into user (userID, name, location, gender, email, age) values (59,
'Benyamin Pavek', 'Texas', 'Male', 'bpavek1m@dot.gov', 58);
insert into user (userID, name, location, gender, email, age) values (60, 'Jaye
Jovicevic', 'Tennessee', 'Male', 'jjovicevic1n@liveinternet.ru', 55);
insert into user (userID, name, location, gender, email, age) values (61,
insert into user (userID, name, location, gender, email, age) values (62,
insert into user (userID, name, location, gender, email, age) values (63,
insert into user (userID, name, location, gender, email, age) values (64, 'Lia
insert into user (userID, name, location, gender, email, age) values (65,
insert into user (userID, name, location, gender, email, age) values (66,
insert into user (userID, name, location, gender, email, age) values (67,
insert into user (userID, name, location, gender, email, age) values (68,
'Rodge Polleye', 'California', 'Male', 'rpolleye1v@issuu.com', 55);
insert into user (userID, name, location, gender, email, age) values (69,
```

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insert into user (userID, name, location, gender, email, age) values (70, 'Mei
Caunter', 'Illinois', 'Female', 'mcaunter1x@geocities.com', 48);
insert into user (userID, name, location, gender, email, age) values (71, 'Rae
MacCostye', 'Illinois', 'Female', 'rmaccostye1y@opera.com', 73);
insert into user (userID, name, location, gender, email, age) values (72,
insert into user (userID, name, location, gender, email, age) values (73,
insert into user (userID, name, location, gender, email, age) values (74,
insert into user (userID, name, location, gender, email, age) values (75,
'Beverlee Colbron', 'California', 'Female', 'bcolbron22@google.fr', 15);
insert into user (userID, name, location, gender, email, age) values (76, 'Etta
Stogill', 'Illinois', 'Female', 'estogill23@instagram.com', 35);
insert into user (userID, name, location, gender, email, age) values (77,
insert into user (userID, name, location, gender, email, age) values (78,
'Merrill Jewer', 'New Jersey', 'Female', 'mjewer25@xing.com', 54);
insert into user (userID, name, location, gender, email, age) values (79, 'Lou
Parades', 'Washington', 'Male', 'lparades26@multiply.com', 75);
insert into user (userID, name, location, gender, email, age) values (80,
'Saraann Quennell', 'South Carolina', 'Non-binary',
insert into user (userID, name, location, gender, email, age) values (81,
'Ronna Allabush', 'Texas', 'Female', 'rallabush28@vistaprint.com', 64);
insert into user (userID, name, location, gender, email, age) values (82, 'Darb
Euston', 'Florida', 'Male', 'deuston29@angelfire.com', 54);
insert into user (userID, name, location, gender, email, age) values (83, 'Sher
Burnet', 'Florida', 'Female', 'sburnet2a@bing.com', 64);
insert into user (userID, name, location, gender, email, age) values (84,
'Poppy Fernier', 'Mississippi', 'Female', 'pfernier2b@4shared.com', 27);
insert into user (userID, name, location, gender, email, age) values (85, 'Yves
Feaveryear', 'Connecticut', 'Male', 'yfeaveryear2c@dyndns.org', 72);
insert into user (userID, name, location, gender, email, age) values (86,
'Simmonds Kupisz', 'New York', 'Male', 'skupisz2d@ning.com', 10);
'Barbabra Capon', 'California', 'Female', 'bcapon2e@wikipedia.org', 22);
Shewsmith', 'New Jersey', 'Female', 'eshewsmith2f@mapy.cz', 43);
'Danice Betteridge', 'Georgia', 'Female', 'dbetteridge2g@moonfruit.com', 31);
insert into user (userID, name, location, gender, email, age) values (91,
insert into user (userID, name, location, gender, email, age) values (92,
insert into user (userID, name, location, gender, email, age) values (93, 'Che
Jorat', 'New Mexico', 'Genderqueer', 'cjorat2k@trellian.com', 66);
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insert into user (userID, name, location, gender, email, age) values (94,
insert into user (userID, name, location, gender, email, age) values (95, 'Dick
Karpfen', 'Arkansas', 'Male', 'dkarpfen2m@statcounter.com', 26);
insert into user (userID, name, location, gender, email, age) values (96,
insert into user (userID, name, location, gender, email, age) values (97,
insert into user (userID, name, location, gender, email, age) values (98, 'Flo
insert into user (userID, name, location, gender, email, age) values (99,
insert into user (userID, name, location, gender, email, age) values (100,
'Odella Brogini', 'Texas', 'Female', 'obrogini2r@rakuten.co.jp', 21);
INSERT INTO team manager (teamManagerID) VALUES (1), (2), (11), (12), (21),
(22),
(52);
INSERT INTO player (playerID) VALUES (1), (2), (3), (4), (6), (7),
                                    (24), (25), (26), (28), (29), (30),
(99), (100);
INSERT INTO spectator (spectatorID) VALUES (5), (6), (9), (15), (16), (19),
```

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INSERT INTO tournament organizer (tournamentOrganizerID) VALUES (2), (10),
(20), (50), (60);
INSERT INTO venue (venueID, size, name, hours, location, venueManager) VALUES
(2, 'Medium', 'Arena B', '10AM - 6PM', 'Location B', 8),
(3, 'Small', 'Gym C', '7AM - 8PM', 'Location C', 8),
(4, 'Large', 'Field D', '9AM - 9PM', 'Location D', 90),
(6, 'Large', 'Stadium F', '10AM - 6PM', 'Location F', 96),
(7, 'Small', 'Arena G', '7AM - 7PM', 'Location G', 96),
(8, 'Medium', 'Hall H', '9AM - 9PM', 'Location H', 96),
(9, 'Large', 'Stadium I', '10AM - 10PM', 'Location I', 96),
(10, 'Small', 'Gym J', '8AM - 6PM', 'Location J', 96),
(11, 'Large', 'Arena K', '9AM - 9PM', 'Location K', 97),
(12, 'Medium', 'Stadium L', '10AM - 8PM', 'Location L', 97),
(13, 'Small', 'Field M', '7AM - 7PM', 'Location M', 97),
(14, 'Large', 'Court N', '9AM - 9PM', 'Location N', 98),
(15, 'Medium', 'Gym O', '8AM - 8PM', 'Location O', 98),
(16, 'Large', 'Stadium P', '10AM - 6PM', 'Location P', 99),
(17, 'Small', 'Arena Q', '9AM - 7PM', 'Location Q', 99),
(18, 'Medium', 'Court R', '7AM - 9PM', 'Location R', 99),
(19, 'Large', 'Field S', '10AM - 10PM', 'Location S', 99),
(20, 'Small', 'Gym T', '8AM - 8PM', 'Location T', 100);
INSERT INTO sport (sportID, name) VALUES
(1, 'Tennis'),
(3, 'Ping Pong'),
(4, 'Soccer'),
(5, 'Baseball'),
(6, 'Basketball'),
(7, 'Hockey'),
(8, 'Football');
INSERT INTO spectator follows (sport, spectator) VALUES
(55, 4), (25, 6), (76, 1), (49, 1), (66, 7), (25, 1), (39, 6), (49, 3),
(6, 5), (79, 8), (85, 3), (56, 4), (49, 3), (19, 8), (65, 1), (15, 2),
(76, 6), (29, 3), (16, 3), (45, 2), (79, 6), (46, 8), (85, 5), (49, 5),
(5, 5), (69, 1), (66, 2), (89, 1), (16, 7), (89, 7), (59, 8), (16, 8),
(76, 2), (75, 4), (76, 5), (25, 1), (5, 8), (25, 5), (69, 1), (16, 5),
(69, 5), (99, 4), (29, 2), (6, 3), (99, 5), (9, 5), (85, 2), (19, 4),
(66, 1), (76, 3), (65, 8), (75, 7), (36, 7), (89, 4), (9, 6), (5, 4),
(15, 8), (96, 3), (59, 8), (76, 5), (35, 6), (55, 5), (99, 1), (19, 5),
(19, 3), (65, 1), (39, 4), (46, 5), (65, 4), (19, 1), (55, 1), (96, 4),
(26, 1), (35, 8), (45, 2), (76, 2), (16, 2), (69, 1), (69, 8), (36, 4),
```

```
(56, 5), (26, 7), (79, 8), (4\overline{5}, 8), (39, \overline{7}), (6, 1), (76, 2), (5\overline{9}, 1),
(79, 1), (9, 5), (25, 7), (95, 1), (5, 5), (39, 5), (35, 2), (19, 1),
(56, 6), (15, 8), (96, 1), (16, 5);
-- Tournament
INSERT INTO tournament (tournamentID, prize, name, location, organizer, sport)
VALUES
(1, '10,000', 'Championship 1', 'City A', 2, 1),
(2, '5,000', 'Tournament B', 'City B', 2, 2),
(4, '15,000', 'Championship D', 'City D', 2, 4),
(5, '12,000', 'Cup E', 'City E', 2, 5),
(8, '8,000', 'League H', 'City H', 10, 8),
(9, '14,000', 'Tournament I', 'City I', 20, 1),
(10, '9,000', 'Cup J', 'City J', 20, 2),
(11, '11,000', 'League K', 'City K', 20, 3),
(12, '13,000', 'Tournament L', 'City L', 20, 4),
(13, '16,000', 'Championship M', 'City M', 20, 5),
(14, '18,000', 'Tournament N', 'City N', 20, 6),
(15, '10,000', 'Cup O', 'City O', 20, 7),
(16, '20,000', 'League P', 'City P', 20, 8),
(17, '22,000', 'Championship Q', 'City Q', 20, 1),
(18, '25,000', 'Tournament R', 'City R', 20, 2),
(19, '30,000', 'League S', 'City S', 20, 3),
(20, '35,000', 'Cup T', 'City T', 50, 4);
INSERT INTO team (teamID, name, location, manager) VALUES
(3, 'Team C', 'Florida', 22),
(7, 'Team G', 'Georgia', 41),
(8, 'Team H', 'Michigan', 32),
(9, 'Team I', 'North Carolina', 12),
(10, 'Team J', 'Virginia', 21),
(11, 'Team K', 'Washington', 11),
(12, 'Team L', 'Arizona', 51),
(13, 'Team M', 'Tennessee', 42),
(14, 'Team N', 'Indiana', 2),
(15, 'Team O', 'Missouri', 31),
(16, 'Team P', 'Maryland', 32),
(17, 'Team Q', 'Wisconsin', 52),
(18, 'Team R', 'Colorado', 41),
(19, 'Team S', 'Minnesota', 22),
```

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(20, 'Team T', 'South Carolina', 12);
INSERT INTO team_player (teamID, playerID) VALUES
(12, 25), (18, 17), (8, 28), (18, 17), (1, 1), (18, 87), (4, 88), (20, 91),
(2, 37), (14, 58), (6, 10), (4, 41), (10, 61), (15, 88), (5, 44), (9, 73),
(5, 93), (2, 54), (20, 94), (11, 70), (5, 58), (7, 84), (7, 30), (7, 46),
(20, 46), (19, 15), (20, 72), (7, 2), (7, 84), (8, 3), (9, 94), (8, 21),
(20, 59), (20, 58), (15, 77), (4, 89), (5, 25), (19, 95), (3, 25), (18, 20),
(13, 47), (1, 10), (18, 34), (6, 17), (16, 46), (6, 29), (18, 24), (6, 26),
(3, 18), (16, 52), (4, 75), (10, 23), (14, 58), (8, 65), (4, 57), (15, 32),
(19, 48), (5, 76), (11, 47), (18, 90), (2, 66), (5, 7), (12, 55), (14, 57),
(6, 93), (5, 95), (16, 71), (12, 60), (19, 72), (17, 76), (5, 34), (4, 17),
(5, 51), (3, 18), (16, 2), (10, 87), (10, 76), (12, 58), (8, 93), (5, 2),
(17, 50), (15, 59), (11, 21), (1, 2), (3, 10), (5, 79), (19, 24), (13, 38),
(16, 37), (18, 76), (11, 23), (14, 78), (2, 17), (13, 41), (6, 48), (15, 75),
(20, 55), (12, 94), (2, 44), (20, 87), (1, 1), (20, 36), (15, 76), (5, 65),
(5, 79), (8, 89), (8, 87), (15, 51), (15, 8), (12, 40), (18, 57), (16, 55),
(17, 37), (19, 90), (1, 4), (5, 60), (1, 67), (3, 47), (13, 17), (10, 35);
INSERT INTO match gen (matchID, time, scoreAlpha, scoreBeta, venueID,
VALUES
(1, '2024-11-01 10:00', 2, 1, 1, 1),
(3, '2024-11-02 14:00', 1, 1, 3, 3),
(4, '2024-11-02 16:00', 4, 3, 4, 4),
(5, '2024-11-03 10:00', 0, 0, 5, 5),
(7, '2024-11-04 14:00', 1, 2, 7, 7),
(8, '2024-11-04 16:00', 3, 1, 8, 8),
(9, '2024-11-05 10:00', 4, 4, 9, 9),
(10, '2024-11-05 12:00', 5, 2, 10, 10),
(11, '2024-11-06 14:00', 1, 1, 11, 11),
(12, '2024-11-06 16:00', 3, 2, 12, 12),
(13, '2024-11-07 10:00', 0, 0, 13, 13),
(14, '2024-11-07 12:00', 2, 3, 14, 14),
(15, '2024-11-08 14:00', 4, 3, 15, 15),
(16, '2024-11-08 16:00', 1, 2, 16, 16),
(17, '2024-11-09 10:00', 3, 4, 17, 17),
(18, '2024-11-09 12:00', 0, 1, 18, 18),
(19, 2024-11-1014:00', 5, 2, 19, 19),
(20, '2024-11-10 16:00', 4, 4, 20, 20);
INSERT INTO teams match (matchID, teamAlpha, teamBeta)
(4, 7, 8),
```

```
(5, 9, 10),
(6, 11, 12),
(7, 13, 14),
(8, 15, 16),
(12, 2, 4),
(13, 5, 7),
(14, 6, 8),
(15, 9, 11),
(16, 10, 12),
(20, 18, 20);
-- Individuals Match
INSERT INTO individuals_match (matchID, playerAlpha, playerBeta)
VALUES
(1, 21, 22),
(2, 23, 24),
(3, 25, 26),
(9, 27, 28),
(10, 29, 30),
(11, 31, 32),
(17, 33, 34),
(18, 35, 36),
(19, 37, 38);
```