

```
CREATE TABLE players (  
    id integer PRIMARY KEY,  
    name varchar(50),  
    elo_rating integer,  
    UNIQUE (id, name, elo_rating) -- ensure unique with primary key as these are identifying  
    natural keys  
)
```

```
CREATE TABLE events (  
    id integer PRIMARY KEY,  
    name varchar(50),  
    date date,  
    site varchar(50),  
    UNIQUE(id, name, date) -- ensure unique with primary key as these are identifying natural  
    keys  
)
```

```
CREATE TABLE games (  
    player_black integer,  
    player_white integer,  
    event_id integer,  
    round integer,  
    moves varchar(255),  
    result varchar(8),  
    UNIQUE (player_black, player_white, event_id, round), -- round is partial key, include for  
    uniqueness in weak entity  
    FOREIGN KEY (player_black, player_white) REFERENCES players (id, id),  
    FOREIGN KEY (event_id) REFERENCES events (id)  
)
```