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NBA Game Predictor App Database Design


```
mysql> show tables;
+--------------------------+
| Tables_in_nbapredictorapp |
+--------------------------+
| Game                     |
| Team                     |
| User                     |
| User_group               |
| User_prediction          |
+--------------------------+
5 rows in set (0.00 sec)
```


```
mysql> desc Game;
+----------------+------------+------+-----+---------+----------------+
| Field          | Type       | Null | Key | Default | Extra          |
+----------------+------------+------+-----+---------+----------------+
| id             | int(11)    | NO   | PRI | NULL    | auto_increment |
| team1_id       | tinyint(4) | NO   | MUL | NULL    |                |
| team2_id       | tinyint(4) | NO   | MUL | NULL    |                |
| favored_team   | tinyint(4) | NO   | MUL | NULL    |                |
| game_date      | date       | NO   |     | NULL    |                |
| winner         | tinyint(4) | YES  | MUL | NULL    |                |
| game_in_series | tinyint(4) | NO   |     | NULL    |                |
| round_number   | tinyint(4) | NO   |     | NULL    |                |
+----------------+------------+------+-----+---------+----------------+
8 rows in set (0.00 sec)
```


```
mysql> desc Team;
+-----------------------+-------------+------+-----+---------+----------------+
| Field                 | Type        | Null | Key | Default | Extra          |
+-----------------------+-------------+------+-----+---------+----------------+
| id                    | tinyint(4)  | NO   | PRI | NULL    | auto_increment |
| name                  | varchar(40) | NO   |     | NULL    |                |
| number_of_games_played| tinyint(4)  | NO   |     | NULL    |                |
| eliminated            | tinyint(1)  | NO   |     | NULL    |                |
| nba_champion          | tinyint(1)  | NO   |     | NULL    |                |
| team_image_url        | varchar(500)| YES  |     | NULL    |                |
+-----------------------+-------------+------+-----+---------+----------------+
6 rows in set (0.00 sec)
```


```
mysql> desc User;
+---------------------------+--------------+------+-----+---------+----------------+
| Field                     | Type         | Null | Key | Default | Extra          |
+---------------------------+--------------+------+-----+---------+----------------+
| id                        | int(11)      | NO   | PRI | NULL    | auto_increment |
| last_name                 | varchar(255) | NO   |     | NULL    |                |
| first_name                | varchar(255) | NO   |     | NULL    |                |
| username                  | varchar(255) | NO   |     | NULL    |                |
| password                  | varchar(255) | NO   |     | NULL    |                |
| group_id                  | int(11)      | NO   | MUL | NULL    |                |
| number_of_points          | smallint(6)  | NO   |     | NULL    |                |
| user_image_url            | varchar(500) | YES  |     | NULL    |                |
| favorite_team_in_playoffs_id | tinyint(4) | YES  | MUL | NULL    |                |
| admin                     | tinyint(1)   | NO   |     | NULL    |                |
+---------------------------+--------------+------+-----+---------+----------------+
10 rows in set (0.00 sec)
```

```
mysql> desc User_group;
+----------------+--------------+------+-----+---------+----------------+
| Field          | Type         | Null | Key | Default | Extra          |
+----------------+--------------+------+-----+---------+----------------+
| id             | int(11)      | NO   | PRI | NULL    | auto_increment |
| group_name     | varchar(40)  | NO   |     | NULL    |                |
| number_of_users| int(11)      | NO   |     | NULL    |                |
| group_image_url| varchar(500) | YES  |     | NULL    |                |
+----------------+--------------+------+-----+---------+----------------+
4 rows in set (0.00 sec)

mysql> desc User_prediction;
+-------------------------+------------+------+-----+---------+----------------+
| Field                   | Type       | Null | Key | Default | Extra          |
+-------------------------+------------+------+-----+---------+----------------+
| id                      | int(11)    | NO   | PRI | NULL    | auto_increment |
| user_id                 | int(11)    | NO   | MUL | NULL    |                |
| game_id                 | int(11)    | NO   | MUL | NULL    |                |
| prediction              | tinyint(4) | NO   | MUL | NULL    |                |
| result                  | tinyint(4) | YES  |     | NULL    |                |
| points_recieved_for_game| tinyint(1) | YES  |     | NULL    |                |
+-------------------------+------------+------+-----+---------+----------------+
6 rows in set (0.01 sec)
```