User

| id : uniqueidentifier | username : nvarchar | password : nvarchar | salt : int |
| --- | --- | --- | --- |
| The user’s GUID  PK | A unique username | The hash for the password | The number of times we hash the password |

| One |
| --- |
| To Many |

Game

| id : uniqueidentifier | user\_id : uniqueidentifier | timestamp : datetime | completed : bit |
| --- | --- | --- | --- |
| The game’s GUID  PK | The user who the game belongs to  FK\_Game\_User | The time the game has started | If the game has concluded or not |

| One |
| --- |
| To Many |

Guess

| id : uniqueidentifier | game\_id : uniqueidentifier | answer : int | guess : int | distance : float |
| --- | --- | --- | --- | --- |
| The guess’s GUID  PK | The game that the guess belongs to  FK\_Guess\_Game | The correct answer for the color. | The given answer for the color. | The distance between the guess and answer. |