User (<u>Username</u>, Password, Email)

User will contain the information for users on the site. Each row will represent a single user.
    Username - the alias a person will use on the site and log in with.
    Password - the password a person will use to log in
    Email - will be used for communicating with users and account verification

Score (<u>ScoreID</u>, GameID, Value, UserID, Date)
- Foreign Key GameID references Game
- Foreign Key UserID references User

Score composes the user's submitted scores, relating them to the relevant Game and User. Each row in the table represents a specific score for a specific game by a specific user at a specific time.
    ScoreID is the identifier to connect the score to it's relevant parameters
    GameID is a foreign key to connect to the referenced game
    Value is the submitted score as an integer
    UserID is a foreign key that relates to the user that submitted the score
    Date is the datetime when the score was submitted.

Game (<u>GameID</u>, Name, Publisher, Description, UserID)
- Foreign Key: UserID references User

Game refers to a single game on the platform (eg. Monopoly or Terraforming Mars), hence why it is called Game. This table references the User that creates it in the User table and is referenced by a given Score from the Score table. This allows for a Game to be created by a User and for many Scores to be created for each game.
    GameID is the identifier used for connecting games to scores.
    Name is the name of the board game.
    Publisher is the publisher of the board game.
    Description is a short description or blurb about the board game.
    UserID is a foreign key that relates to the user that created the game.

Param (<u>ParamID</u>, Name, GameID, Description, Value)
- Foreign Key ParamID references ScoreParam
- Foreign Key GameID references Game

Param refers to any additional parameters that a game score can have. This allows for more complex games with additional key metrics to be represented by our model.
    Name: is the name of the parameter
    Description: A brief explanation of the parameter and how it relates to the game
    Value: The value for the parameter.

ScoreParam (<u>ScoreID</u>, <u>ParamID</u>)

- Foreign Key ScoreID references Score
- Foreign Key ParamID references Param

ScoreParam is a joining table to link the Score and Param tables that have a many to many relationship.

ScoreID links to the Score table key

ParamID links to the Param table key