



Relationships:

- User Creates Post
- User.UserID (Foreign Key) references User.UserID (Primary Key)
- User Sends Message
- User.UserID (Foreign Key) references User.UserID (Primary Key)
- User Leaves Review
- User.UserID (Foreign Key) references User.UserID (Primary Key)
- Post.PostID (Foreign Key) references Post.PostID (Primary Key)
- User Adds Photo to Post
- User.UserID (Foreign Key) references User.UserID (Primary Key)
- Post.PostID (Foreign Key) references Post.PostID (Primary Key)
- Post Belongs to Location
- Post.LocationID (Foreign Key) references Location.LocationID (Primary Key)
- Post Has Dietary Restrictions
- A separate junction table is often used for many-to-many relationships between Post and DietaryRestriction.
- Post Belongs to Category
- Post.Category (Foreign Key) references Category.CategoryID (Primary Key)

User Creates Post:

A user can create one or more posts.
A post is created by one user.

User Sends Message:

A user can send one or more messages.
A message is sent by one user and received by another user.

User Leaves Review:

A user can leave one or more reviews.
A review is left by one user for a specific post.

User Adds Photo to Post:

A user can add one or more photos to a post.
A photo is added to one post.

Post Belongs to Location:

A post belongs to one location.
A location can have one or more posts.

Post Has Dietary Restrictions:

A post can have one or more dietary restrictions.
A dietary restriction can be associated with one or more posts.

Post Belongs to Category:

A post belongs to one category.
A category can have one or more posts.

**** NOTES ****

1. Unsure if we should model category as entity or just leave it as a list on the post entity
2. Calculate User Overall Rating by averaging all review ratings associated with posts posted by that User.