Red relationships illustrate references, and yellow relationships illustrate embeddings

Report

Our ER diagram uses the same format as the one used in Workshop 4, displaying each relationship an entity has within the site. It also displays the types of each relationship, which include one to one(1, 1), many to one(n, 1), many to many(n, n), and one to many(1, n). Each relational type is shown within a line segment, where the closest entity to that specific variable is depicted as such. Every entity also lists attributes, which are properties that can help differentiate each entities from one another.

The entities included in our diagram are Replies, Users, Topics, Boards and Games.
- Reply - A Reply contains text, a createdDate to represent the date is was created and an editDate representing the most recent date it was edited. They can reference many (n) User entities and a User can be referenced by many (n) Replies. There can be many (n) replies embedded into 1 Topic.

- User - A User contains a userName, a bio or description of the user, an email address, a steamAccount and a companyName. They can be referenced by many (n) Reply entities and many (n) Users can be referenced by 1 Reply. They can follow many (n) games.
- Topic - A topic contains a title and the creationDate. The title is the title of the topic and the creationDate is when the title was created. They are embedded into 1 Board entity and a Board can have many (n) Topics embedded into it. They can have many (n) Reply entities embedded into it and a Reply is embedded into 1 Topic.
- Board - A Board has a boardName which acts as the name for the board. They can have many (n) Topic entities embedded into them and a Topic is embedded into 1 Board.
- Game - A game contains a title, the beforePrice, the currentPrice, the futurePrice, steamlink. The title is the game. The beforePrice is the price of the game about a week ago, the currentPrice is the price of the game today, and the futurePrice is the price of the game a week ahead. The steamlink is the link to the game in steam. They can be followed by many (n) Users entities.