Entity Relationship Diagram

USER — reviewerID, reviewerName

PRODUCT — asin, category, fake_score (duplicateRatio, incentivizedRatio, ratingAnamolyRate, reviewAnamolyRate)

REVIEW — reviewID, reviewText, reviewTime, unixReviewTime, minHash, overall

WRITES (1 ... N)
HAS (1 ... N)
DUPLICATES (N ... 1)
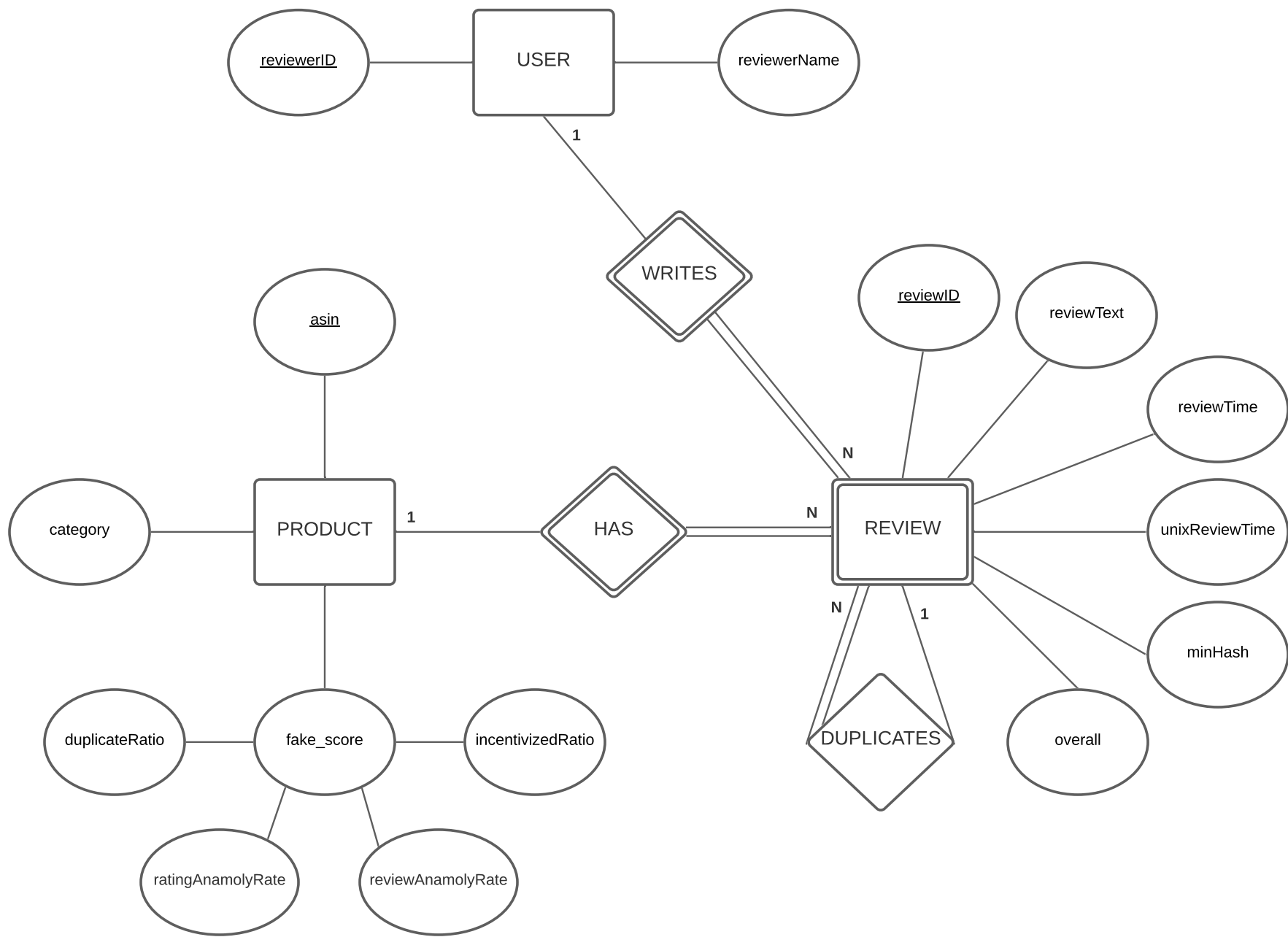
Relation Schema

PRODUCT

+ asin:varchar
+ category:varchar
+ duplicateRatio:decimal
+ incentivizedRatio:decimal
+ ratingAnomalyRate:decimal
+ reviewAnomalyRate:decimal

- Primary Key: asin

REVIEW

+ reviewID:varchar
+ reviewText:varchar
+ overall:decimal
+ unixReviewTime:int
+ reviewTime:datetime
+ minHash:varchar

- Primary Key: reviewID
- Foreign Key: duplicateID
- Foreign Key: userID
- Foreign Key: asin

USER

+ reviewerID:varchar
+ reviewerName:varchar

- Primary Key: reviewerID

Relationships:
Each review must minimally have 1 Product.
Each reivew must be written by minimially 1 user.
A duplicate review must minmally have 1 original review.

Comments:
I made a DUPLICATE self-relationship with REVIEW because a review may copy/be identical to many other reviews. I think it may be useful to be able to refer to them when calculating a duplicate score.