Logic Model of Streaming Project

Declaration of all the entities:

User (id\_user; email; password; nickname; image);

Rating (id\_rating; #id\_user; #id\_stream; rate);

Stream (id\_stream; title; description; poster; release date);

Serie () extends Stream;

Movie (duration) extends Stream;

Season (id\_season; #id\_stream; number);

Episode (id\_episode; #id\_season; title; description; release\_date; duration);

Normalization of the Stream with the Series and Movies:

Stream (id\_stream; title; description; poster; release date);

Movies (#id\_stream; duration);

Series (#id\_stream);

All these relations have the cardinality of 1:1, so the Series relation connects with the Season, that connects with the Episode. The Movies relation has the attribute of duration.

Normalization:

The 1° normalization is already done because it didn’t have any multivalued attribute or a composite attribute.

The 2° normalization is already done because all the attributes is totally dependent of the primary key. That’s a consequence since we don’t have any compound primary key in a relation of the logic model.

The 3° normalization is already done because it didn’t have any transitive dependence in all the relations.

The Boyce Codd is already done because it didn’t have any compound primary key in all the relations.

The 4° normalization is already done because it didn’t have any multivalued dependence in all the relations.

The 5° normalization is already done because it didn’t cause any error on joining relations.

The 6° normalization is already done because all the dates values doesn’t change along the time.

So, the logic model is already normalized.

Final model:

User (id\_user; email; password; nickname; image);

Rating (id\_rating; #id\_user; #id\_stream; rate);

Stream (id\_stream; title; description; poster; release date);

Movies (#id\_stream; duration);

Series (#id\_stream);

Season (id\_season; #id\_stream; number);

Episode (id\_episode; #id\_season; title; description; release\_date; duration);