**PECL2 - Documentation**

**Some changes have been made from PECL1. The changelog is as follows:**

* The relation “composes” has been removed due to a relational redundancy with “contains” and to the difficulty implementing it.
* “buysticket” has a new field called “date\_ticket\_bought” which symbolizes the day in which the user purchased the ticket. It also has a “ticket\_number” field that indicates the max. number of tickets that a user can buy for the same concert.
* “physical” and “digital” tables along with the “is a” relation have been removed due to the difficulty of implementing inheritance with MySQL. Instead, the disc table now has an “model\_disc” field which indicates if it´s a physical or a digital disc. If it´s a physical disc, the “disc\_type” field will have either CD or LP as an indicator of the disc´s physical format. If it´s a digital disc, the “song\_format” field will indicate if it has a mp3, wav or other digital format, and the size\_disc field will contain the disc´s size in megabytes.
* The field “phonenumbers” in musician has been substituted by the “phoneNumberMobile” and “phoneNumberHome” fields. This has been done due to the difficulty implementing multivalued attributes and to simplify the program.
* “givesopinionconcert” and “givesopiniondisc” both have new fields “points\_rate\_concert” and “points\_rate\_disc” respectively, which indicate the score that a user has given to a concert or disc, being the lowest score a 0 and the highest one a 10. The field opinion has been removed due to it being unnecessary.
* The “duration” field of song has been changed from a varchar to an int which indicates the duration in seconds. This allows us to compare song durations in an easy manner.
* Cardinality constraints are mostly gone due to the difficulty of correctly implementing it using MySQL.
* Some minor renames have been made, which should seem pretty obvious.

**The following diagram obtained using reverse engineering accurately illustrates the current database structure:**

