

## ADAPTATION PRACTICE 2: Alejandro Santorum & David Cabornero

This document is created in order to clarify the changes made in the practice two in contrast with the design shown at the practice one.

Most of the changes are due to the problems with the data provided. Some data was repeated, with no order and it didn't follow any specific format.

First, "Author's" table has been deleted because the same author's name was written in several ways, so it would be quite difficult to associate an author's name to only one identifier. Because of the same reason, "Written" table has been eliminated.

Moreover, "Books" table has been modified in order to store in the best way all the information given with the txt files. Book\_id and book\_edition attributes do not exist anymore because ISBN already provides all this information.

Talking about "Sales" table, it has been modified quite a little bit. It hasn't got "Discount\_id" and "Final\_price" attributes because we are able to do the discount at the moment the query is done, we don't need to over populate this table. On the other hand, "payment\_type" attribute has been deleted because all the sales were bought with credit card, so we have no sales paid with cash. We have to clarify what is "Super\_sale\_id", it is the primary key of the table, because one user could have bought the same day two equal books at the same type.

By last, in "Users" table the attributes "type" and "spent" have been changed for "join\_date" and "sname" to take advantage of the data provided of the files. Due to we have eliminated "type" attribute, we had to insert one special user called "Non Registered User" with user\_id = 0. It is useful if a non registered user buys something.

The required queries work perfectly (even better) with this new design. Just right below we show the new schema of Relational Model of the design of this practice.

