

DATABASES - Report LAB01



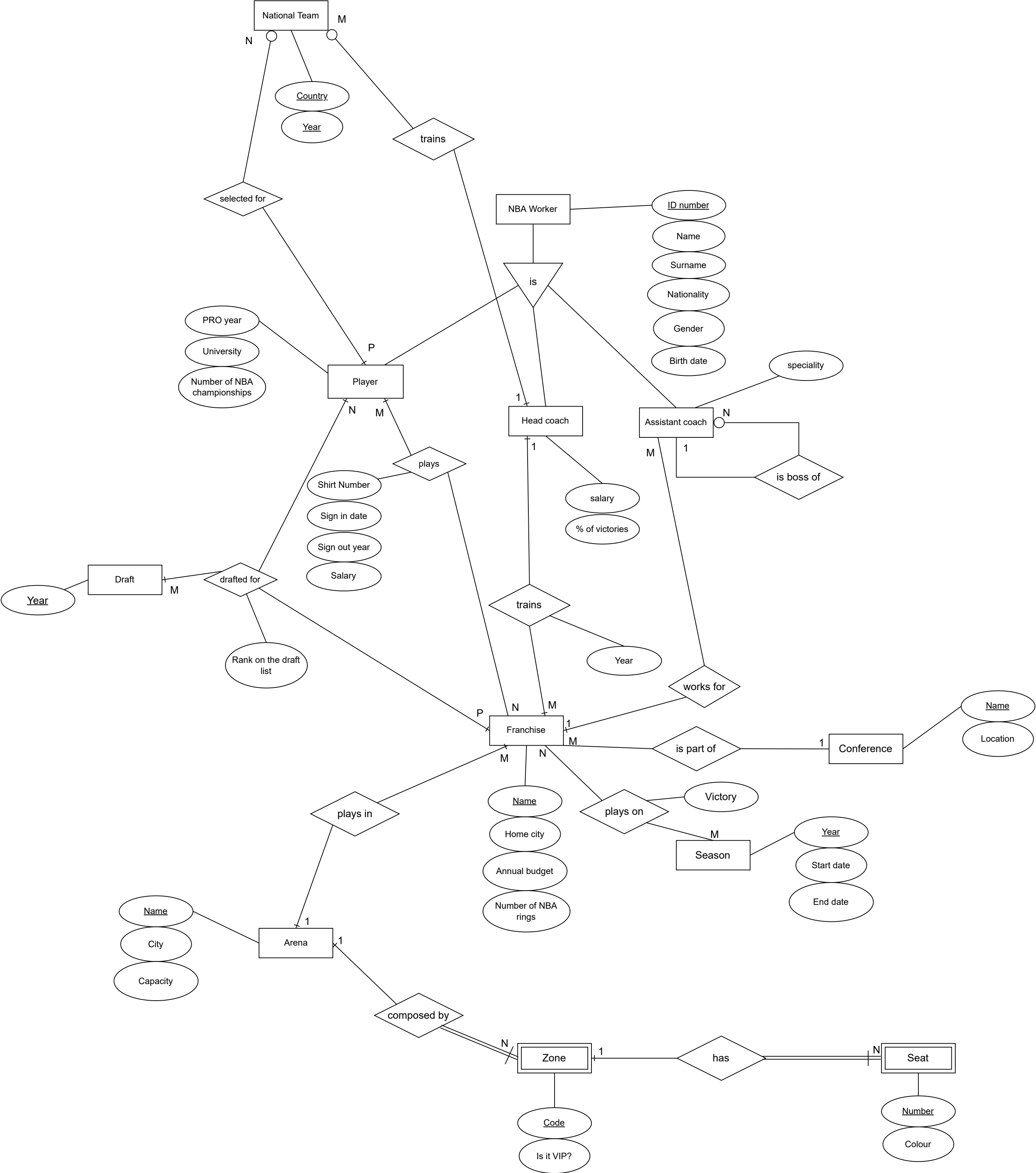
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The aim of this report is to compare the conceptual and the relational model of the NBA database, as well as give some explanation of why we have implemented them this way. After doing the conceptual, we did the relational model based on the previous one.

Taking an overall view, the two models are quite similar, although they differ in some aspects. To start with, the more visible variation is the absence of the relation 'trains' in the relational model. We considered it appropriate to include it in the conceptual, because we wanted to add a temporal relation between a head coach and a franchise, as the head coach only trains for a few years. Nevertheless, we could not find any relation between them in the data provided, as the 'year' attribute is missing, so we erased the relation from the relational. Thus, 'coachid' has become an attribute of the franchise entity.

On the other hand, there is another variation in the 'Selected' relation. We did not find information about the shirt number of the players active in the national teams, that is why there isn't any in the conceptual. Whereas in the .csv files, there is an attribute for the shirt numbers in the national teams, so we added it in the relational model.



Note: The repeated letters N, M or P do not represent necessarily the same number, they were used just for simplicity

