# Database Course Project Work Session

The purpose of this session is to work with your teammates to convert the ER of your project to RM (Relational Model).

* If there are parts in your ER that you are not sure about it, ask me or discuss with your teammate first, before creating the RM of your project.
* Some hint for relationships of degree > 2:

If you have relationships with degree > 2, try to imagine, are you going to store data items for instances of all entities in that relationship, always together? (Consider SUPPLY relationship in your notes that you always store data related to SUPPLIER, PART, and PROJECT together. Is it the case for your relationships as well?)

* If yes, then your relationship is correct, otherwise change it to relationships of lower degree like binary relationships.

Review the 7-step algorithm for converting ER to RM, then start working on your ER:

* First create tables for your regular entities, and underline their Primary key (PK).
* Second, do you have weak entities? If yes, see how we handle them by the step 2 of the algorithm.
* Follow other steps of the algorithm. If you have M to N relationships in your ER, make sure you create new tables for each of such relationships and you underline their Primary key.
* Mark your Foreign keys (FK) with **different color**, and draw arrows from each FK to corresponding PK.

When you are sure that your RM is complete, draw it digitally with:

* draw.io
* MS Powerpoint drawing tools or any design tool you are familiar with.

## Submission:

* One submission per team is enough.