

## Project Phase #3

Instructor: Kamal Karlapalem

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## 1 The Task

Convert the ER Diagram designed earlier to a relational model. Then, convert this to first, second, and third normal forms iteratively.

You will be required to submit a snapshot of the relational model at the following stages:

- After mapping ER to relational model
- Relational model after conversion to 1NF
- Relational model after conversion to 2NF
- Relational model after conversion to 3NF

*If there is no need to convert to a certain normalized form, mention it in the submission document. You do not have to submit the snapshot for that stage in that case.*

### Explanation

You must also provide **concise** explanations for each of the stages above. These explanations should contain information about the changes made to entities to reflect the relational mapping. Note that we **do not expect** explanations on the individual steps of the process.

*Refer to chapter 9 and 14 for more information on mapping to relational models and normal forms respectively. The textbook provides a detailed step-by-step process for conversion that should help greatly.*

## 2 How to Draw

You must draw your relational diagram using any digital tool such as [dbdiagram.io](https://dbdiagram.io). Digital/hand drawn illustrations will not be accepted.

## 3 Submission Instructions

Submit a single PDF named <teamname>.pdf (without the < and >). The PDF must contain each of the submission requirements mentioned earlier. Ensure that each snapshot/image is on a separate page, preceded by an explanation (if necessary).

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Best of luck!