

# CS3563: Assignment 2 (Relational DB time!)

## Due Date: 28-February-2022 at 23:59 pm

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### 1 Convert your ERD and populate it!

- Convert the ER Model you have designed in the previous assignment to a relational database.
- In **source.txt**, you are given text entries that outline details of 629814 papers in total. This is also the first line of the input file.
- Below are listed the details of each paper's fields. Note that the order in which this information appears for a single paper can change in the file. Each field's data is preceded by some special characters as shown:  
  

```
#* --- Title
#@ --- Authors
#t --- Year
#c --- Venue
#index --- Id of this paper
#% --- id(s) of paper(s) referenced (There can be multiple such lines)
#! --- Abstract
```
- Write a parser (in any language of your choice) to read the source file and populate your database tables accordingly. You will use a PostgreSQL database for this assignment (and the next).
- **Note:** In your ER diagram, you might have included other attributes from the dataset or website. If required, you can make modifications to the ER diagram designed as a part of the first assignment.
- **Submission:** Submit your modified ERD, parser code, database table schema, loaders, and database pg dump file. Submit a zip file named as <groupID> assgn2.zip (without angle brackets). Single submission per group is enough.
- **Bonus points** will be awarded to the group that writes the fastest loader into the Pg database!