CS105.3 - Database Management Systems

Lab Sheet 3
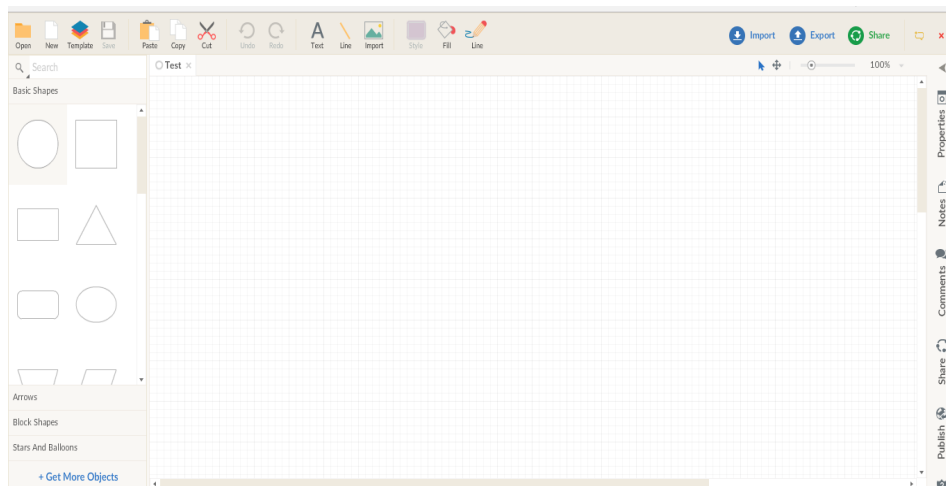
Using Online ER Diagraming Tool

1. Login to Creatly.com and try their online tool.

   https://creately.com/diagram-products#online

   Identify what are the diagrams that you can draw using this tool. We are going to use only the ER tool.

2. Click on the button "Try Creatly Online".
3. To move forward you may setup your Creatly public account for free. Use Sign-up option and create your free account. Without an account you may create your ER, but you cannot export/save your file.
4. Now you're ready to move.
5. Create a new file selecting the document type as "Entity Relationship Diagrams".
6. Now you can see the following dashboard and you're ready to draw.

7. Drag and drop required symbols and draw your diagram (Entity Relationship (UML) symbols).

You may click on the symbol to get more options (to connect symbols, to identify connectivity, to mark total participation, etc.)

Try... there are many options available.

Scenario: 1

The company is organized into DEPARTMENTs.

Each department has a name, number and an employee who manages the department. We keep track of the start date of the department manager.

Each department controls a number of PROJECTs. Each project has a name, number and is located at a single location.

We store each EMPLOYEE's social security number, address, salary, sex, and birthdate.

Each employee works for one department but may work on several projects. We keep track of the number of hours per week that an employee currently works on each project. We also keep track of the direct supervisor of each employee.

Each employee may have a number of DEPENDENTs. For each dependent, we keep track of their name, sex, birthdate, and relationship to employee.