HOMEWORK ONE

Group 3

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Tools

Many database systems provide tools for database design that support E-R diagrams. These tools help a designer create E-R diagrams, and they can automatically create corresponding tables in a database.

There are also several database-independent data modeling tools that support E-R diagrams and UML class diagrams. The drawing tool Dia, which is available as freeware, supports E-R diagrams and UML class diagrams.

Description

Consider a REVIEWER_COMMENT database in which researchers submit their research papers. Reviews by reviewers are recorded for use in the paper selection process. The database system caters primarily to reviewers who record answers to evaluation questions for each paper they review and make recommendations regarding whether to accept or reject the paper. The data requirements are summarized as follows:

- Authors of papers are uniquely identified by e-mail id. First and last names are also recorded.
- Each paper is assigned a unique identifier by the system and is described by a title, abstract, and the name of the electronic file containing the paper.
- A paper may have multiple authors, but one of the authors is designated as the contact author.
- Reviewers of papers are uniquely identified by e-mail address. Each reviewer's first name. last name, affiliation, and topics of interest are also recorded.
- Each paper is assigned for three or four reviewers. A reviewer rates each paper assigned to him or her on a scale of 1 to 5 in five categories: novelty, technical merit, readability, originality, and relevance to the conference. Finally, each reviewer provides an overall recommendation regarding each paper.
- Each review contains two types of written comments: one to be seen by the review committee only and the other as feedback to the author(s).

Requirement

Design an entity-relationship diagram for the REVIEWER_COMMENT database and build the design using a data modeling tool. Upload the E-R diagram in png, jpg or pdf format.