

# Feedback based on discussion with TAs



Many thanks to our TAs:

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# Ignoring some information



- Tag Hierarchies: i.e., students' design contains only **Tag(TagId)**
- The relation between the posts and the comments: i.e.,
  - Post(PostId, Time Stamp, Content, Location, PersonId, ForumId)
  - Comment(ComId, Content, Location, PersonId, **RepliedTo**)
- The information about the workplace: i.e., students' design contains only table **Workplace(WPId)**

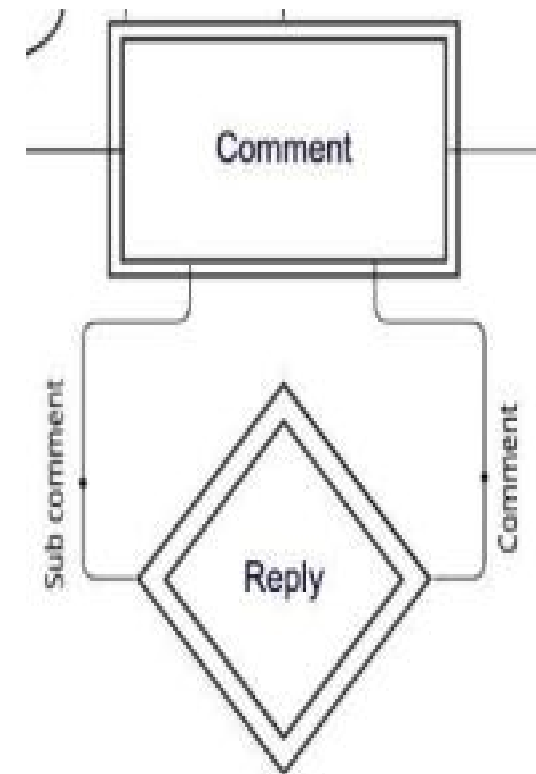
# No analysis was provided on FD



- No analysis was provided on functional dependency. They just identify the primary key for each relation.

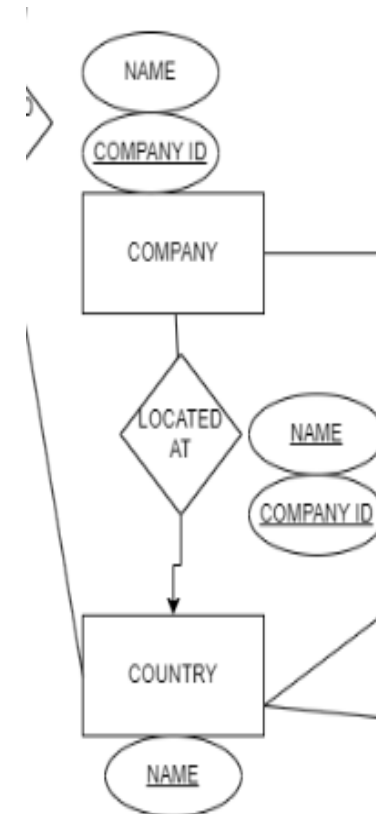
# Incorrect Usage of Many-to-Many Relationships

- A comment can only be a reply to a single other comment. This should, therefore, be a Many-to-One relationship



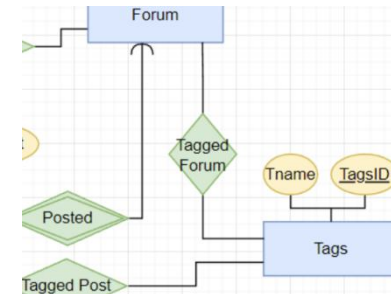
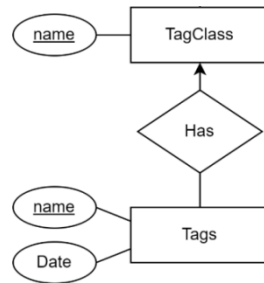
# Explicit Attribute Keys in Relationship

- Name and company ID — the primary keys of the two attributes — are implicit in the given relationship. As such, there is no need to make them explicit.



# Forgetting To Model Tag Hierarchies

- Description



- Example on the left
  - No tag hierarchy, but allows tags to belong to a tag class
  - Suggest adding a relationship from *TagClass* to *TagClass*
- Example on the right
  - No tag hierarchy at all

# Incorrect Use of Ternary Relationship

- In the example to the right, we have an 1-M-N between the Users, Posts and Comments.
  - This implies that each pair of posts and comments has one author, which is not necessarily true in reality.
- Suggest to remove Comments from the relation.

