

Lec-6

Facebook - DB formulate using ER model

* ER diagram

① Features. & use case.

- ① profile → user_profiles → friends.
- ② user can post
- ③ Post → contains → text content, images, videos.
- ④ Post → like, comment.

① identity entity sets.

① mer_profile

② mer-post

③ post_comment

④ post_like

② Attributes + types

① mer_profile → Name, username, email, password, contact no.
 composite, ← DOB, age. ↓ multivalued, ↓ multivalued,
 ↓
 derived.

② user_post \rightarrow post_id, text content, image, video,
 created timestamp, multimedialed multimedialed,
 modified timestamp.

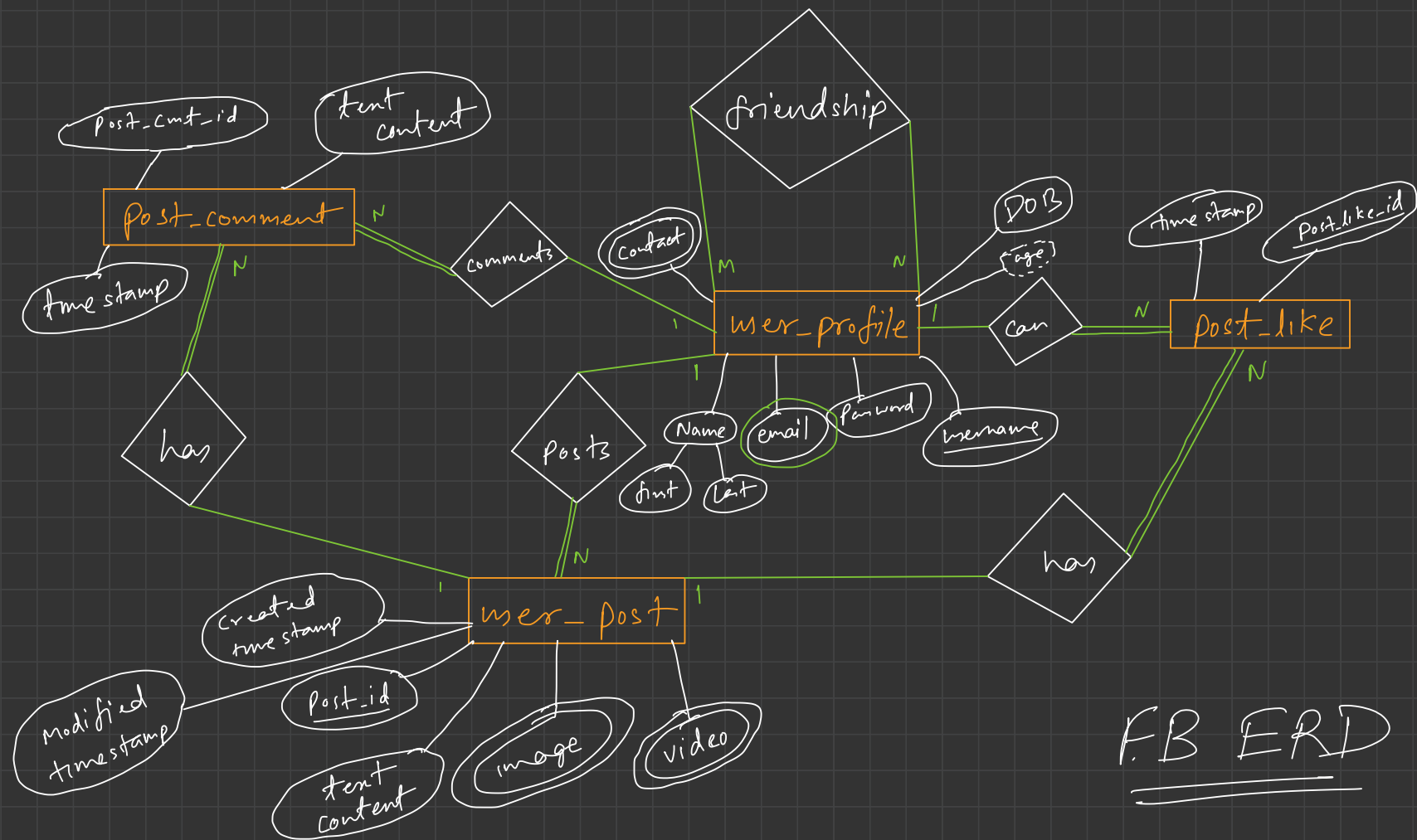
③ post_comment \rightarrow post_comment_id, text content, timestamp

④ post_like \rightarrow post_like_id, timestamp

⑤ Relⁿ f Constants

① user_profile friendship user_profile.
M ! N

② user_profile posts user_post.
1 " N
=====



FB ERD