

User:

- A User can have 0 or more Friends
- A User can have 0 or more Albums
- A User can make 0 or more Comments
- A User can leave 0 or more Likes

Friends:

- Every Friend must be associated with at least one User
We will create a separate table to store this relation

Album:

- Every Album must be associated with one User
- An Album can have 0 or more Photos

Photos:

- Every Photo must be associated with one Album
- A Photo can have 0 or more Comments
- A Photo can have 0 or more Tags
- A Photo can have 0 or more Likes

Comments:

- Every Comment must be associated with one User
- Every Comment must be associated with one Photo

Tags:

- Every Tag must be associated with 1 or more Photos
To allow tag search, we will separate this relation into two tables,
a) One which stores Tag Id and its text
b) One which stores Tag to Photo relation

Likes:

- Every Like must be associated with one User
- Every Like must be associated with one Photo