# Project One:

**Prepare an ER diagram for this social media according to the following description.**

Social media has several users. Each user has userId (special number, unique), username, password, full name, role (admin, member).
The social media has a set of posts each post has a set of attributes postId (special number, unique), postName , postContent.
Each post has a set of comments, each comment has commentId, commentContent.

Each post must have one user and a user may have a group of posts.
Each comment must have one user and a user may have a group of comments.
Each comment must have one post and each post may have a group of comments.


# Project Two:

**Prepare an ER diagram for this restaurant according to the following description.**

The restaurant has several users. Each user has userId (special number, unique), username, password, full name, role (chef, waiter).
restaurant has a set of meals each meal has a set of attributes mealId (special number, unique), mealName, mealPrice.
restaurant has a set of receipts, each receipt has receiptId, totalPrice.

Each receipt may have many users and a user may have a group of receipts.
Each meal must be ordered by user and user must order many meals.

Each receipt may have some meals and meal may have many receipts.

# Project Three:

**Prepare an ER diagram for this Video Games according to the following description.**

The Video Games has several users. Each user has userId (special number, unique), username, password, full name.
Video Games have a set of games. Each game has a set of attributes gameId (special number, unique), gameName.
Score has a set of attributes scoreId (special number, unique), scoreNumber.

Each user may have a set of games and a game may have a group of users.
Each user may have a set of scores and scores must have one user.
Each score must have one game and the game may have multiple scores.