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ERD

1. List

   Users
   - UserID (Primary Key)
   - First Name (Composite)
   - Last Name (Composite)
   - School (Simple)
   - Address (Simple)
   - Email (Simple)
   - Phone Number (Simple)
   - Location (Simple)
   - Date of Birth (Simple)
   - Gender (Simple)

   Posts
   - PostID (Primary Key)
   - UserID(Foreign Key)
   - Post Date (Simple)
   - Post Content (Simple)

   Page Likes
   - PageID (Primary Key, Foreign Key)
   - UserID (Primary Key, Foreign Key)

   Pages
   - PageID (Primary Key)
   - Page Name (Simple)
   - Page Content (Simple)

   Friends
   - FriendID (Primary Key)
   - UserID (Foreign Key)

   Post Likes
   - PostID (Primary Key, Foreign Key)
   - UserID (Primary Key, Foreign Key)

   Photos
   - PhotoID (Primary Key)
   - PostID (Foreign Key)
   - ImageContent (Simple)

   Shares
   - PostID (Primary Key, Foreign Key)
   - UserID (Primary Key, Foreign Key)

Comments
- CommentID (Primary Key)
- UserID (Foreign Key)
- PostID (Foreign Key)
- Comment Date
- Comment Content

Comment Likes
- CommentID (Primary Key, Foreign Key)
- UserID (Primary Key, Foreign Key)

2. Master – Child
   - Users – Posts
   - Posts – Post Likes
   - Posts – Photos
   - Posts – Shares
   - Posts – Comments
   - Comments – Comment Likes
   - Users – Friends
   - Users – Page Likes
   - Pages – Page Likes

3. Users
   - UserID has a constraint as Primary key to make the unique id of the table, also it has Check Constraint so the inputed id satisfy the requirements (USR[0-9][0-9][0-9])
   - First Name has a constraint as Not Null to prevent inputed data as Null because it may cause wrong name since first name connected with last name
   - Email has a constraint emailValidate to check whether the email has (@) within or not
   - Gender has a constraint genderValidate to check whether the gender is whether male or female only

   Posts
   - PostID has a constraint as Primary key so the table has its own unique id so that inputed data can be differentiated based on the id
   - UserID has a constraint as Foreign Key because User Id in Posts table is actually reference tha UserID at Users Table, so, UserID need a Foreign Key to references the ID, UserID has also a constraint usrValidate to check whether the inputed id satisfy the requirements based on UserID at users table

   Pages
   - PageID has a constraint as Primary key so that the table has its own unique id that can differentiate each inputted data in the table

   Page Likes
   - PageID has a constraint as Primary Key to make the id unique between data in the table, also PageID has a constraint Foreign key to references the id to PageID on Pages Table

- UserID has a constraint Primary key to differentiate each inputted data on the table, also UserID has a constraint Foreign Key to reference the id to UserID on Users Table

Friends
- FriendID has a constraint primary key to differentiate each inputted data on the table
- UserID has a constraint Foreign Key to reference the id to UserID on Users Table

Post Likes
- PostID has a constraint as Primary Key to make the id unique between data in the table, also PostID has a constraint Foreign key to references the id to PostID on Posts Table
- UserID has a constraint Primary key to differentiate each inputted data on the table, also UserID has a constraint Foreign Key to reference the id to UserID on Users Table

Photos
- PhotoID has a constraint Primary key to differentiate each inputted data in the table
- PostID has a constraint Foreign Key to reference the id to PostID on Posts Table

Shares
- PostID has a constraint as Primary Key to make the id unique between data in the table, also PostID has a constraint Foreign key to references the id to PostID on Posts Table
- UserID has a constraint Primary key to differentiate each inputted data on the table, also UserID has a constraint Foreign Key to reference the id to UserID on Users Table

Comments
- CommentID has a constraint primary key to differentiate each data in table
- UserID has a constraint foreign key to reference the id to UserID on Users Table

Comment Likes
- CommentID has a constraint as Primary Key to make the id unique between data in the table, also CommentID has a constraint Foreign key to references the id to CommentID on Comments Table
- UserID has a constraint Primary key to differentiate each inputted data on the table, also UserID has a constraint Foreign Key to reference the id to UserID on Users Table