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ERD

Users :

- User ID [PK]
- First Name [NOT NULL]
- Last Name [NOT NULL]
- Gender [NOT NULL] [CHECK 'Male' or 'Female' or 'Other'] -> genders are not that varied
- Email [NOT NULL] [CHECK '%_@__._%'] -> email format
- Address
- Phone Number [NOT NULL] [CHECK isNumeric] -> phone number format
- School
- Location
- Date of Birth [NOT NULL]

Posts :

- User ID [FK -> Users]
- Post ID [PK]
- Post Content [NOT NULL]
- Post Date [NOT NULL]

Post Likes :

- User ID [FK1 -> Users]
- Post ID [FK2 -> Posts]

Photos :

- Post ID [FK -> Posts]
- Photo ID [PK]
- Image Content [NOT NULL]

Shares :

- User ID [FK1 -> Users]
- Post ID [FK2 -> Posts]

Comments :

- User ID [FK1 -> Users]
- Post ID [FK2 -> Posts]
- Comment ID [PK]
- Comment Date [NOT NULL]
- Comment Content [NOT NULL]

Comment Likes :

- User ID [FK1 -> Users]
- Comment ID [FK2 -> Comments]

Friends :

- User ID [FK -> Users]
- Friend ID [PK]

Pages :

- Page ID [PK]
- Page Name [NOT NULL]
- Page Content [NOT NULL]

Page Likes :

- User ID [FK1 -> Users]
- Page ID [FK2 -> Pages]

PK -> unique values to differentiate each data

FK -> the attribute came from another table so we need to reference it

NOT NULL -> these values are required in order to provide clarity and

Master – Child – Relationship

Master	Child	Relationship
Users	Friends	Many to many
	PageLikes	One to many
	CommentLikes	One to many
	Posts	One to many
	PostLikes	One to many
	Shares	One to many
	Comments	One to many
Posts	PostLikes	One to many
	Photos	One to many
	Shares	One to many
	Comments	One to many
Comments	CommentLikes	One to many
Pages	PageLikes	One to many

