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1. Objects :

User :

- User ID
- First Name
- Last Name
- School
- Address
- Email
- Phone Number
- Location
- Date of Birth
- Gender

Pages :

- Page ID
- Page Name
- Page Content

Page Likes :

- User ID
- Page ID

Friends :

- Friend ID
- User ID

Posts :

- User ID
- Post Date
- Post Content
- Post ID

Post Likes :

- Post ID
- User ID

Photos :

- Image Content
- Photo ID
- Post ID

Shares :

- Post ID
- User ID

Comments :

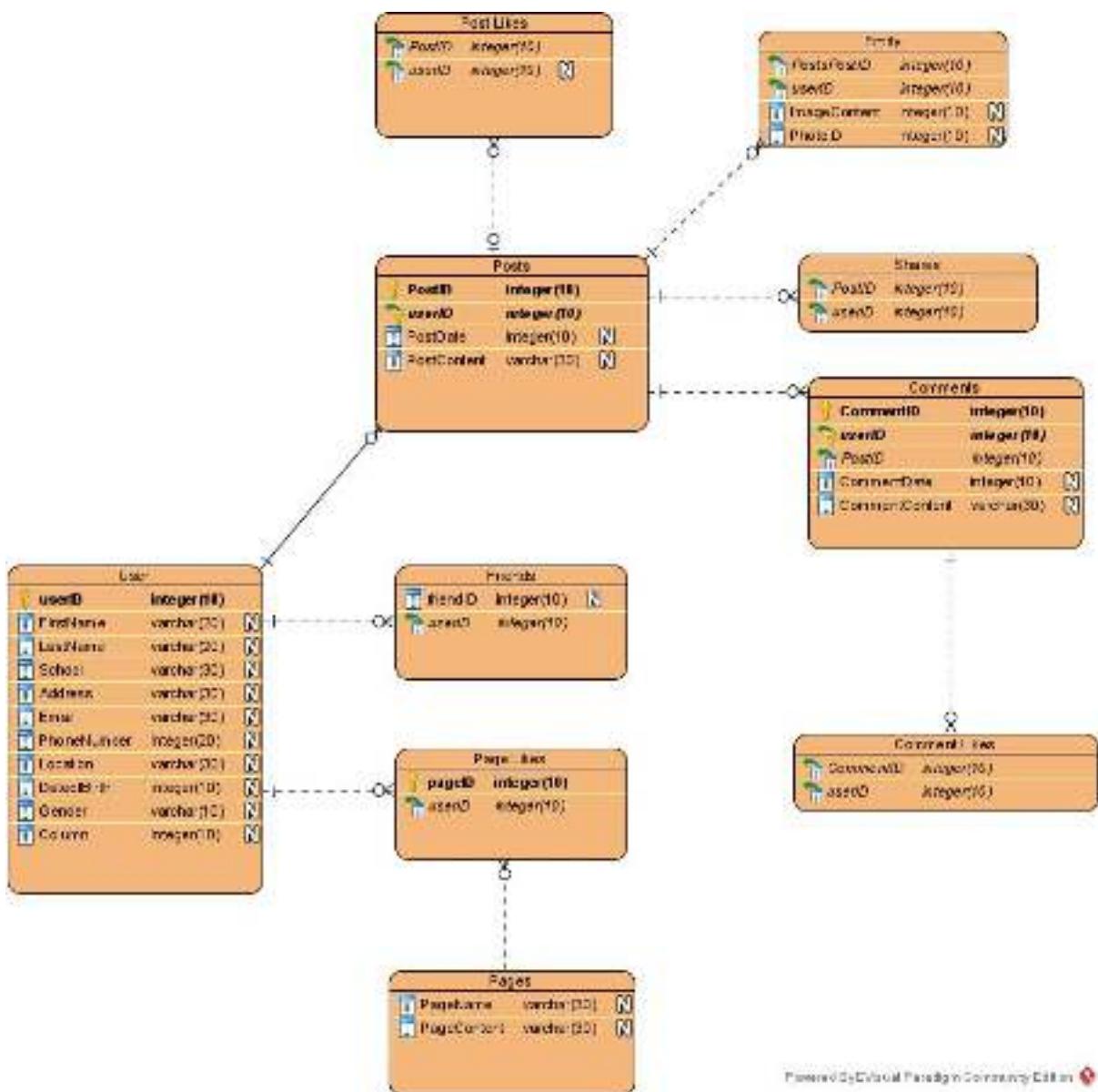
- Comment Date
- Post ID
- Comment ID
- User ID
- Comment Content

Comment Likes :

- Comment ID
- User ID

2. Relation :

User to Posts, Friends, Page likes = one to many
Posts to Post Likes, Photos, Shares, Comments



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1. Data integrity is used to maintain accuracy and consistency of data in a table, there are four types of data integrity such as; entity integrity, referential integrity, domain integrity, user-defined integrity. How to maintain it is to making sure the data remains intact and unchanged throughout its entire life cycle. This includes the capture of the data, storage, updates, transfers, backups, etc.
2. Primary Key :
 - Uniquely identify table
 - Must not be null
 - Table can only have one
 - Primary key must be unique
 - No limitations in inserting

Foreign Key :

- Column that creates relationship with other table
- A value is the value of a primary key in other table
- Table can have multiple
- Can be duplicate
- There is a limitation in inserting

Composite Key :

- Composite key is a candidate key that consists of two or more attributes (table column)

3. Begin Tran

Begin Tran adalah suatu tanda awal bahwa kita akan melakukan transaksi baik delete, update maupun insert.

Rollback Tran

Adalah suatu transaksi telah terjadi, maka dengan perintah tersebut kita bisa mengembalikan data dimana transaksi sebelum dijalankan.

Kemudian untuk commit tran adalah lawan dari rollback tran, kita akan mengunci atau membuat permanen data dari hasil transaksi yang telah dilakukan, sehingga kita tidak bisa mengembalikan data sesaat sebelum dilakukannya transaksi.