# Class Diagram

A screenshot of a cell phone

Description automatically generated

## Entities

* User:

1. UserID - Primary key
2. Username - Username for user login
3. Password - Password for user login

* Album

1. AlbumID - Primary key
2. AlbumName - Name for album set by user
3. UserID - Foreign key. The owner of album.

* Post

1. PostID – Primary key
2. AlbumID - Foreign key. Each post provides image information for one album.
3. ImageURL - image source
4. ImageType - Format of image (JPG,MP4…)

## Relationship

Users->Album(1:N) Album-Post(M:N)

Each user can own multiple albums. User creates, reads, edits, deletes albums.

User creates posts by choosing images. After user chooses which album to add, album gets image information from posts. Each album can own multiple posts.