Assignment 3 Photos UML
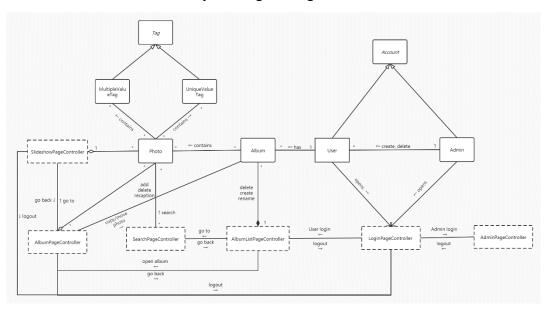
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Account

username: String
password: String
+ getUsername: String
+ getPassword: String

Admin

+ createUser(u: String, p: String): void
+ deleteUser(u: User): void
+ getUserList(): ArrayList<User>

User

+ createAlbum(n: String): void
+ deleteAlbum(a: Album): void
+ renameAlbum(n: String): void
+ openAlbum(a: Album): void
+ copyPhoto(p: Photo, a: Album): void
+ movePhoto(p: Photo, a: Album): void
+ caption(p: Photo, s: String): void
+ slideshow(a: Album): void
+ searchByTag(t1: Tag1, t2: Tag2, f: boolean): ArrayList<Photo>
+ searchByDate(d1: Date, d2: Date): ArrayList<Photo>

Album

+ name: String
+ addPhoto(p: Photo): void
+ deletePhoto(p: Photo): void
+ getPhotoList(): ArrayList<Photo>
+ getNumberOfPhotos(): int
+ getEarliestDate(): Date
+ getLatestDate(): Date

Photo

+ address: String
+ caption: String
+ date: Date
+ getCaption(): String+ setCaption(c: String): void
+ getDate(): Date
+ addMultipleValueTag(m: MultipleValueTag): void
+ addUniqueValueTag(u: UniqueValueTag): void
+ deleteMultipleValueTag(m: MultipleValueTag): void
+ deleteUniqueValueTag(u: UniqueValueTag): void
+ hasTag(t: Tag): boolean
+ inDateRange(d1: Date, d2: Date): boolean

Tag

+ tagName: String

MultipleValueTag

+ tagValues: ArrayList<String>
+ addTagValue(v: String): void

MultipleValueTag

+ tagValue: String