AlbumUsers

- users: ArrayList<User>
- serialVersionUID: long
+ userListFile: String

+ readUsers() : AlbumUsers
+ writeUsers(): AlbumUsers
+ removeUsers() : User
+ addUser(): User
+ userExists(): Boolean
+ usernameTaken(): Boolean
+ toString(): String

0...N

User

- Username: String
- Albums: ArrayList<Album>

+ getUserName(): String
+ setUserName(): Void
+ addAlbum(): void
+ getAlbums(): ArrayList<Album>
+ removeAlbum(): Void
+ toString(): String

0...N

Tags

- name: String
- value: String
- tagList: ArrayList<Tags>

+ getName(): String
+ setName(): Void
+ getValue(): String
+ setValue(): Void

0...N

Album

- albumName: String
- listOfPhotos : List<Photos>
- size: int
- old: Photos
- early: Photos

+ getAlbumName(): String
+ setAlbumName(): Void
+ getListOfPhotos(): List<Photos>
+ setListOfPhotos(): Void
+ addPhoto(): Void
+ removePhoto(): Void
+ setEarly(): Void
+ setOld() : Void
+ getEarly(): Photos
+ getOld(): Photos
+ prevPhoto(): Photos
+ nextPhotos(): Photos
+ sorter(): Void
+ toString(): String

0...N

Photos

- tags: List<tags>
- date_time: calendar
- photoFile: file
- captions: String

+ getPhotoFile(): File
+ setPhotoFile(): Void
+ getTags(): List<Tag>
+ setTag(): Void
+ removeTag(): Void
+ addTag(): Void
+ tagExists(): Boolean
+ getDataTime(): Calendar
+ setDateTime(): Void
+ setCaption(): Void
+ getCaption(): String
+ getDate(): String