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User

- serialVersionUID: long
- username: String
- albums: ArrayList<Album>
- tagTypes: ArrayList<TagType>

+ User(username: String)
+ getUsername(): String
+ getAlbums(): ArrayList<Album>
+ getTagTypes(): ArrayList<TagType>
+ toString(): String

Program

- serialVersionUID: long
- usernames: ArrayList<String>
- currentUser: User

+ Program()
+ getUserNames(): ArrayList<String>
+ getCurrentUser(): User
+ setCurrentUser(user: User): void

TagType

- serialVersionUID: long
- type: String
- canHaveMultipleValues: boolean

+ TagType(type: String, canHaveMultipleValues: boolean)
+ getType(): String
+ canHaveMultipleValues(): boolean
+ toString(): String

Photos

+ storeFile: String
+ programSession: Program

+ writeProgramObj(programObj: Program): void
+ readProgramObj(): Program
+ setCurrentUserWithUsername(username: String): void
+ readUserObj(username: String): User
+ writeUserObj(userObj: User): void
+ start(primaryStage: Stage): void

Album

- serialVersionUID: long
- name: String
- photos: ArrayList<Photo>
- earliestDate: LocalDateTime
- latestDate: LocalDateTime

+ Album(name: String)
+ Album(name: String, photos: ArrayList<Photo>)
+ findEarliestDate(): LocalDateTime
+ findLatestDate(): LocalDateTime
+ addPhoto(photo: Photo): void
+ removePhoto(index: int): void
+ getPhotos(): ArrayList<Photo>
+ getName(): String
+ setName(name: String): void
+ getEarliestDate(): LocalDateTime
+ getLatestDate(): :LocalDateTime
+ setEarliestAndLatestDates(): void
+ toString(): String

Photo

- serialVersionUID: long
- imageFile: File
- caption: String
- tags: ArrayList<Tag>
- date: LocalDateTime

+ Photo(imageFile: File)
+ getCaption(): String
+ setCaption(caption: String): void
+ getTags(): ArrayList<Tag>
+ getImageFile(): File
+ getDate(): LocalDateTime
+ toString(): String

Tag

- serialVersionUID: long
- type: String
- value: String

+ Tag(type: String, value: String)
+ getType(): String
+ getValue(): String
+ setValue(value: String)
+ toString(): String
+ equals(otherTag: Tag): boolean

AddNewTagController — AddNewTag

PhotoSearch

OpenedAlbumDisplayController — OpenedAlbumDisplay

PhotoSearchController

UserSubsystemController — UserSubsystem

LoginScreenController — LoginScreen

AdminSubsystemController

AdminSubsystem