«interface» Serializable

«interface» Comparable

Tag

+type: String

+value: String

+pic: Picture

+<<constructor>>Tag()

+compareTo(Tag):int

User

+userName: String

+password: String

+tagTypes: ArrayList<String>

users: ArrayList<User>

curr: User

+<<constructor>>User()

+createAlbum(String): void

+renameAlbum(Album,String): void

+addPhotoToAlbum(Album,File):void

+movePicture(Picture,Album):vooid

+copyPicture(Picture, Album):void

deleteAlbum(Album):void

writeUser(User):void

findUser(String,String):User

removeUser(String):void

Album

+albumName: String

curr: Album

-earliestPic: Picture

-latestPic:Picture

+user:User

+<<constructor>>Album()

+getEarliest():Picture

+getLatest():Picture

+addPicture(File):boolean

+removePicture(Picture):boolean

compareTo(Album):int

pictureExists(File):boolean

Picture

+file: File

+caption:String

+date:Date

+locationTagIsSet: boolean

+user:User

+album:Album

+curr:Picture

+<<constructor>>Picture()

+recaption(String):void

+addTag(String):void

+deleteTag(String):void

0..*

Use

Search

searchResult: ArrayList<Picture>

SearchByDateRangeInAlbum(Album,Date,Date):ArrayList<Picture>

SearchByDateRangeInAll(Date,Date):ArrayList<Picture>

SearchByTagInAll(string,String):ArrayList<Picture>

SearchByTagInAlbum(Album,String,String):ArrayList<Picture>

SearchByTagConjunctionInAll(String,String):ArrayList<Picture>

SearchByTagDisjunctionInAll(String,String):ArrayList<Picture>

SearchByTagDisjunctionInAlbum(Album,String,String):ArrayList<Picture

SearchByTagConjunctionInAll(Album,String,String):ArrayList<Picture>