PhotoAlbum06 UML – Ben Green & Kate Sussman

<<Java Class>>
UserControl
cs213.photoAlbum.control

- UserControl()
- addUser(String,String):boolean
- deleteUser(String):boolean
- listUsers():void
- userExists(String):boolean
- readUser(String):User
- saveUser(UserInterface):void

<<Java Class>>
AlbumControl
cs213.photoAlbum.control

- AlbumControl()
- createAlbum(UserInterface,String):void
- deleteAlbum(UserInterface,String):void
- getStartDate(AlbumInterface):String
- getEndDate(AlbumInterface):String
- listAlbums(UserInterface):void
- listPhotos(UserInterface,String):void

<<Java Class>>
PhotoControl
cs213.photoAlbum.control

- date_format: SimpleDateFormat
- PhotoControl()
- addPhoto(UserInterface,String,String,String):void
- movePhoto(UserInterface,String,String,String):void
- removePhoto(UserInterface,String,String):void
- addTag(UserInterface,String,String,String):void
- deleteTag(UserInterface,String,String,String):void
- listPhotoInfo(UserInterface,String):void
- getPhotosByDate(UserInterface,String,String):void
- getPhotosByTag(UserInterface,ArrayList<String>):void
- printTags(ArrayList<String[]>):String
- listContainingAlbums(UserInterface,PhotoInterface):String
- getDate(PhotoInterface):String
- printTags(PhotoInterface):void
- processTags(ArrayList<String>):ArrayList<String[]>

<<Java Interface>>
UserInterface
cs213.photoAlbum.model

- getAlbum(String):AlbumInterface
- getUserid():String
- getName():String
- getAlbums():Collection<Album>
- getPhoto(String):Photo
- getPhotos():Collection<Photo>
- createAlbum(String):void
- deleteAlbum(String):void
- hasAlbum(String):boolean

<<Java Interface>>
AlbumInterface
cs213.photoAlbum.model

- getName():String
- getSize():int
- getPhotos():Collection<Photo>
- getPhoto(String):Photo
- addPhoto(Photo):void
- deletePhoto(String):void
- hasPhoto(String):boolean

<<Java Interface>>
PhotoInterface
cs213.photoAlbum.model

- compareTo(PhotoInterface):int
- miscTagsCount():int
- getTags():Iterator<Entry<String,String>>
- getPeople():ArrayList<String>
- getFilename():String
- getCaption():String
- getTimestamp():Calendar
- getTagValue(String):String
- setFilename(String):void
- setCaption(String):void
- setTimestamp(Calendar):void
- addTag(String,String):boolean
- deleteTag(String,String):boolean
- hasPerson(String):boolean
- hasTag(String,String):boolean

<<Java Class>>
User
cs213.photoAlbum.model

- serialVersionUID: long
- userid: String
- name: String
- User(String,String)
- getAlbum(String):AlbumInterface
- getUserid():String
- getName():String
- getAlbums():Collection<Album>
- getPhoto(String):Photo
- createAlbum(String):void
- deleteAlbum(String):void
- hasAlbum(String):boolean
- getPhotos():Collection<Photo>

<<Java Class>>
Album
cs213.photoAlbum.model

- serialVersionUID: long
- name: String
- Album(String)
- getName():String
- getSize():int
- getPhotos():Collection<Photo>
- getPhoto(String):Photo
- addPhoto(Photo):void
- deletePhoto(String):void
- hasPhoto(String):boolean

-albums
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<<Java Class>>
Photo
cs213.photoAlbum.model

- serialVersionUID: long
- filename: String
- caption: String
- timestamp: Calendar
- people: ArrayList<String>
- other_tags: HashMap<String,String>
- Photo(String,String,Calendar)
- compareTo(Photo):int
- miscTagsCount():int
- getTags():Iterator<Entry<String,String>>
- getPeople():ArrayList<String>
- getFilename():String
- getCaption():String
- getTimestamp():Calendar
- getTagValue(String):String
- setFilename(String):void
- setCaption(String):void
- setTimestamp(Calendar):void
- addTag(String,String):boolean
- deleteTag(String,String):boolean
- hasPerson(String):boolean
- compareTo(PhotoInterface):int
- hasTag(String,String):boolean

-photos
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