

API:

Special: method `getPictures()` of class `Album` to get list all picture of a album

method `getAlbums()` of class `User` to get list all album of a user

Note: - Date is `java.util.Date` (not `java.sql.Date` because require by JPA)

- All Entity Class are in package `fis.longlive.database.table`
- All Process Class are in package `fis.longlive.database.process`

Class Group: Entity:

- Album:

- + `addPicture(Picture)` input is a `Picture`, return that `Picture`
- + `removePicture(Picture)` input is a `Picture` (is exist), return the `Picture` has just remove
- + `setPictures(List<Picture>)` input is a list of `Picture`, return (void)
- + `getPictures()` return list of `Picture` in `Album`

- + `addLike(Like)` input is a `Like`, return that `Like`
- + `removeLike(Like)` input is a `Like` (is exist), return the `Like` has just remove
- + `setLikes(List<Like>)` input is a list of `Like`, return (void)
- + `getLikes()` return list of `Like` in `Album`

- + `addComment(Comment)` input is a `Comment`, return that `Comment`
- + `removeComment(Comment)` input is a `Comment` (is exist), return the `Comment` has just remove
- + `setComments(List<Comment>)` input is a list of `Comment`, return (void)

+ **getComments()** return list of Comment in Album

- User:

+ addAlbum(Album) input is a Album, return that Album

+ removeAlbum(Album) input is a Album (is exist), return the Album has just remove

+ setAlbums(List<Album>) input is a list of Album, return (void)

+ **getAlbums()** return list of Album of User

+ addLike(Like) input is a Like, return that Like

+ removeLike(Like) input is a Like (is exist), return the Like has just remove

+ setLikes(List<Like>) input is a list of Like, return (void)

+ **getLikes()** return list of Like of User

+ addComment(Comment) input is a Comment, return that Comment

+ removeComment(Comment) input is a Comment (is exist), return the Comment has just remove

+ setComments(List<Comment>) input is a list of Comment, return (void)

+ **getComments()** return list of Comment of User

Class Group: Process:

- ProcessAlbum:

+ insertAlbum(Album): input is an Album, return (void)

+ deleteAlbum(int): input is albumID, return (void)

+ selectAlbum(int): input is albumID, return an Album with id = input

+ updateAlbumName(int, String): input is albumID and new value for album name

+ updateLikeAmount(int, int): input is albumID and new value for

like amount

+ updateViewAmount(int, int): input is albumID and new value for view amount

+updateAuthor(int, User): input is albumID and new value for author (a User)

+ updateCategory(int, Category): input is albumID and new value for category (a Category)

All update method return (void)

- ProcessCategory:

+ insertCategory(Category): input is an Category, return (void)

+ deleteCategory (int): input is categoryID, return (void)

+ selectCategory (int): input is categoryID, return an Category with id = input

+ updateCategoryName(int, String): input is categoryID and new value for category name

+ updateDescription(int, String): input is categoryID and new value for description

All update method return (void)

- ProcessComment:

+ insertComment(Comment): input is an Comment, return (void)

+ deleteComment(int): input is commentID, return (void)

+ selectComment(int): input is commentID, return an Comment with id = input

+ updateCommentUser(int, User): input is commentID and new value for comment user (a User)

+ updateOnAlbum(int, Album): input is commentID and new value for album (a Album)

+ updateCommentTime(int, Date): input is commentID and new value for comment time (a Date)

+ updateContent(int, String): input is commentID and new value for

content

All update method return (void)

- ProcessLike:

+ insertLike(Like): input is an Like, return (void)

+ deleteLike(int): input is likeID, return (void)

+ selectLike(int): input is likeID, return an Like with id = input

+ updateLikeUser(int, User): input is likeID and new value for like user (a User)

+ updateOnAlbum(int, Album): input is likeID and new value for album (a Album)

+ updateState(int, boolean): input is likeID and new value for state(false = dislike, true = like)

All update method return (void)

- ProcessPicture:

- ProcessPicture:

+ insertPicture(Picture): input is an Picture, return (void)

+ deletePicture(int): input is pictureID, return (void)

+ selectPicture(int): input is pictureID, return an Picture with id = input

+ updatePictureName(int, String): input is pictureID and new value for Picture name

+ updateInAlbum(int, Album): input is pictureID and new value for album (a Album)

+ updatePictureURL(int, String): input is pictureID and new value for url

+updateUploadDate(int, Date): input is pictureID and new value for upload date (a Date)

+ updateDescription(int, String): input is pictureID and new value for description

All update method return (void)

- ProcessUser:

+ insertUser(User): input is an User, return (void)

+ deleteUser(int): input is userID, return (void)

+ selectUser(int): input is userID, return an User with id = input

+ updateFullname(int, String): input is userID and new value for fullname

+ updatePassword(int, String): input is userID and new value for password

+ updateUserGender(int, boolean): input is userID and new value for user gender (false = male, true = female)

+updateUserEmail(int, String): input is userID and new value for user email

+ updateUserBirthday(int, Date): input is userID and new value for user birthday (a Date)

All update method return (void)