Photo

Album

User

0..* 1..* *

SessionBackend

Model

+model

Control

1 1

Login

javax.Swing.JFrame

AdminView

UserView

javax.Swing.JLabel

ByTagFrame

javax.Swing.JTextField

AddUserFrame

AddAlbumFrame

ByDateFrame

javax.Swing.JButton

RenameAlbumFrame

PhotoView

javax.Swing.JPanel

PhotoList

javax.Swing.JList

PhotoPanel

javax.Swing.JTable

RecaptionFrame

MoveFrame

AddTagFrame

AddPhotoFrame

ButtonListener

ListRender

RemoveTagFrame

PhotoSlideShow

java.awt.event.ActionListener

SearchView

javax.Swing.ListCellRenderer

List Listener

PhotoSketch

SaveFrame

MessageDisplay

java.awt.image.BufferedImage

javax.Swing.JComboBox

javax.swing.event.ListSelectionListener

Control

-model
-currentUser

+addUser()
+deleteUser()
+login()
+createAlbum()
+deleteAlbum()
+renameAlbum()
+getAlbums()
+getUser()
+getUsers()
+logout()
+save()
+removeTag()
+addPhoto()
+addTag()
+deleteTag()
+getPhoto()
+listPhotos()
+movePhoto()
+removePhoto()
+getPhotosByDate()
+getPhotosByTag()

Model

-users

+addUser()
+delete()
+getUsers()
+load
+loadUsers()
+save()
+saveUsers()

SessionBackend

Implements Model

User

-id
-name
-library

+addAlbum()
+equals()
+getAlbum()
+getAlbums()
+getId()
+getName()
+removeAlbum()
+renameAlbum()
+toString()

Photo

-fileName
-caption
-tags
-albums

+getFileName()
+getCaption()
+taggedWith()
+getDate()
+getAlbums()
+getTags()
+addTag()
+deleteTag()
+addAlbum()
+removeAlbum()

ButtonListener

-frame

+actionPerformed()

UserView

-username
-search
-message
-logout
-create
-delete
-rename
-open
-tag
-date
-albums
-buttons
-searchBy
-logOut
-control

+loadTable()

Album

-name
-photos

+addPhoto()
+removePhoto()
+getName()
+setName()
+getPhotos()

AddAlbumFrame

-albumName
-errorMsg
-blank
-name
-input
-create
-cancel
-control
-parent

-close()

AddPhotoFrame

-file
-caption
-message
-filename
-captionText
-cancel
-add
-parent

-close()

AddTagFrame

-ttLabel
-tvLabel
-message
-tagType
-tagValue
-cancel
-add
-parent

-close()

AddUserFrame

-username
-fullName
-errorMsg
-user
-name
-input
-create
-cancel
-control
-parent

-close()

AdminView

-control
-logout
-add
-delete
-users
-admin
-errorMessage

+loadList()

ByDateFrame
- -startDate
- -endDate
- -errorMsg
- -start
- -end
- -input
- -list
- -cancel
- -control
- -parent

- -close()

ByTagFrame
- -tagType
- -tagValue
- -errorMsg
- -type
- -value
- -input
- -list
- -cancel
- -add
- -delete
- -control
- -parent
- -tags

- -close()

ListRender
- -frame

- +getListCellRenderer()

MessageDisplay

- +sendMessage()
- +sendError()

PhotoList
- -album
- -photoPanel
- -list
- -listModel
- -stopper
- -parent

- +update()
- +valueChanged()

Login
- -username
- -errorMessage
- -name
- -login
- -uName
- -button
- -error
- -control

- +main()

MoveFrame
- -label
- -message
- -album
- -cancel
- -remove

- -close()

PhotoPanel
- -sketch
- -photo
- -dataView
- -caption
- -date
- -tagLabel
- -tagList

- -getPhoto()
- +setPhoto()
- +update()

PhotoView
- -buttonPanel
- -headerPanel
- -footerPanel
- -container
- -back
- -add
- -remove
- -recaption
- -addTag
- -removeTag
- -move
- -slideShow
- -message
- -userName
- -albumName
- -photos
- -photoPane
- -album
- -user
- -control

- #exit()
- #openMoveFrame()
- #openRemoveTagFrame()
- #openAddTagWindow()
- +openSlideShow()
- #openAddWindow()
- #openCaptionWindow()
- -refresh()
- +sendMessage()
- +sendError()

PhotoSketch
- -image
- -raw
- -parent

- #paintComponent()
- +setImage()

SearchView
- -buttonPanel
- -headerPanel
- -footerPanel
- -container
- -save
- -back
- -slideShow
- -message
- -userName
- -albumName
- -photos
- -photoPane
- -album
- -user
- -control

- #exit()
- #openSaveWindow()
- #back()
- #openSlideShow()
- #refresh()

PhotoSlideSketch
- -buttonPanel
- -footerPanel
- -close
- -previous
- -next
- -message
- -photoPane
- -album
- -control
- -photo_index
- -parent

- -update()
- +sendMessage()
- +sendError()
- -exit()
- -next()
- -previous()

RecaptionFrame
- -caption
- -message
- -captionText
- -cancel
- -add
- -parent

- -close()

RemoveTagFrame
- -label
- -label2
- -message
- -tagTypes
- -tagValues
- -cancel
- -remove
- -parent

- -close()

RenameAlbumFrame
- -newName
- -errorMsg
- -blank
- -name
- -input
- -rename
- -cancel
- -control
- -parent

- -close()

SaveFrame
- -caption
- -message
- -albumName
- -cancel
- -save
- -parent

- #openPhotoView()
- -close()

ListListener

- +valueChanged()