GUI side – from control

GUIView

+ static void main(String[])

LogInView

+ void addComponents()
+ void setUpWindow()

<<interface>>
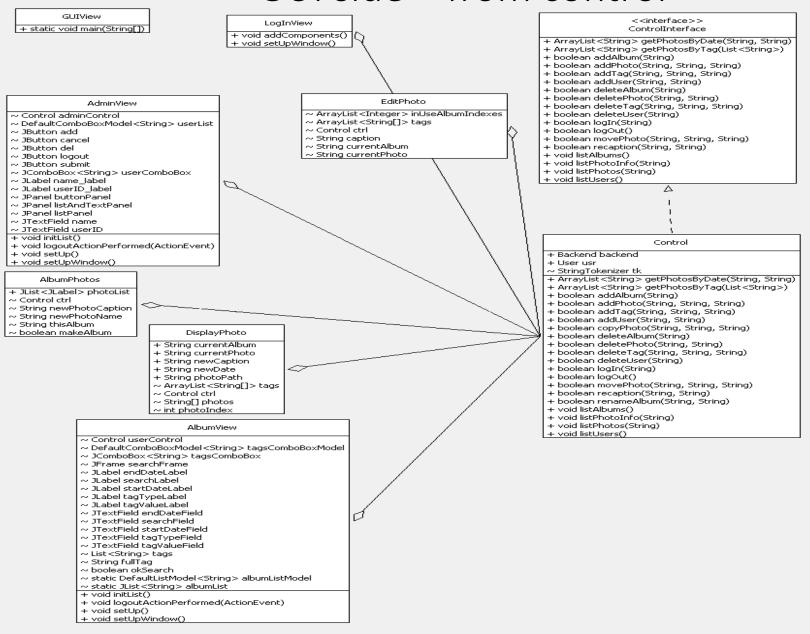**ControlInterface**

+ ArrayList<String> getPhotosByDate(String, String)
+ ArrayList<String> getPhotosByTag(List<String>)
+ boolean addAlbum(String)
+ boolean addPhoto(String, String, String)
+ boolean addTag(String, String, String)
+ boolean addUser(String, String)
+ boolean deleteAlbum(String)
+ boolean deletePhoto(String, String)
+ boolean deleteTag(String, String, String)
+ boolean deleteUser(String)
+ boolean logIn(String)
+ boolean logOut()
+ boolean movePhoto(String, String, String)
+ boolean recaption(String, String)
+ void listAlbums()
+ void listPhotoInfo(String)
+ void listPhotos(String)
+ void listUsers()

AdminView

~ Control adminControl
~ DefaultComboBoxModel<String> userList
~ JButton add
~ JButton cancel
~ JButton del
~ JButton logout
~ JButton submit
~ JComboBox<String> userComboBox
~ JLabel name_label
~ JLabel userID_label
~ JPanel buttonPanel
~ JPanel listAndTextPanel
~ JPanel listPanel
~ JTextField name
~ JTextField userID

+ void initList()
+ void logoutActionPerformed(ActionEvent)
+ void setUp()
+ void setUpWindow()

EditPhoto

~ ArrayList<Integer> inUseAlbumIndexes
~ ArrayList<String[]> tags
~ Control ctrl
~ String caption
~ String currentAlbum
~ String currentPhoto

AlbumPhotos

+ JList<JLabel> photoList
~ Control ctrl
~ String newPhotoCaption
~ String newPhotoName
~ String thisAlbum
~ boolean makeAlbum

DisplayPhoto

+ String currentAlbum
+ String currentPhoto
+ String newCaption
+ String newDate
+ String photoPath
~ ArrayList<String[]> tags
~ Control ctrl
~ String[] photos
~ int photoIndex

Control

+ Backend backend
+ User usr
~ StringTokenizer tk

+ ArrayList<String> getPhotosByDate(String, String)
+ ArrayList<String> getPhotosByTag(List<String>)
+ boolean addAlbum(String)
+ boolean addPhoto(String, String, String)
+ boolean addTag(String, String, String)
+ boolean addUser(String, String)
+ boolean copyPhoto(String, String, String)
+ boolean deleteAlbum(String)
+ boolean deletePhoto(String, String)
+ boolean deleteTag(String, String, String)
+ boolean deleteUser(String)
+ boolean logIn(String)
+ boolean logOut()
+ boolean movePhoto(String, String, String)
+ boolean recaption(String, String)
+ boolean renameAlbum(String, String)
+ void listAlbums()
+ void listPhotoInfo(String)
+ void listPhotos(String)
+ void listUsers()

AlbumView

~ Control userControl
~ DefaultComboBoxModel<String> tagsComboBoxModel
~ JComboBox<String> tagsComboBox
~ JFrame searchFrame
~ JLabel endDateLabel
~ JLabel searchLabel
~ JLabel startDateLabel
~ JLabel tagTypeLabel
~ JLabel tagValueLabel
~ JTextField endDateField
~ JTextField searchField
~ JTextField startDateField
~ JTextField tagTypeField
~ JTextField tagValueField
~ List<String> tags
~ String fullTag
~ boolean okSearch
~ static DefaultListModel<String> albumListModel
~ static JList<String> albumList

+ void initList()
+ void logoutActionPerformed(ActionEvent)
+ void setUp()
+ void setUpWindow()

Model Side – from control