accountSettings
name:string
password:string
validate:object
friends:List
blackList:object
whiteList:object
overallPostVisibilityStatus:string
overallCommentingStatus:string
overallTaggingStatus:string
importer: object
exporter: object
deleteAcount()
changeActivityStatus()
includeInList()
excludeInList()
change_name()
change_password()

<<Interface>>
**accountSettings
GUI**

exporter
export_details()
export_friends()
export_friend_requests()
export_friend_requests_sent()
export_status()
export_messages()
export_sent_messages()

comment
name:string
date:string
comment:list
importer:object
exporter:object
comment()
delete()
disableComment()
enableComment()
exportComment()

friendGrouping
friends:object
thumbnail:object
relationsip:str
import()
export()
setRelationship()
removeRelation()

<<Interface>>
friendGroupGUI

notifSystem
messagesNumber:int
friendRequestNumber:int
otherTagsNumber:int
friend: object
importer:object
notifIcons:list
messageUpdate()
friendRequestUpdate()
tagUpdate()
postUpdate()

<<Interface>>
notifSystemGUI

realtimeSignalToNotifSys
msgEvent:int
otherEvent:int
friendEvent:int
comments:object
group:object
sendSignal()

importer
postComments:dict
status:string/dict
activity:dict
photos:dict
wall:dict
messages:dict
messages_sent:dict
visibilityStatuses:dict
friend_requests:list
friend_requests_sent:list
get_messages()
get_messages_sent()
get_friend_requests()
get_friend_requests_sent()
import_friends()
import_status()
import_messages()
import_messages_sent()
import_friend_requests()
import_friend_requests_sent()

messages
messages:list
messages_sent:list
importer:object
exporter:object
get_messages()
print_messages()
send_messages()
send_to_many()
delete()

<<Interface>>
messagesGUI

profilePage
name:string
profilePicture:object
information:dict
friendsList:object
friends:object
posts:object
importer:object
exporter:object
see_friends()
posts()
editProfile()
accountSettings()

friendsList
importer:object
friendThumbNail:object
friendNo:int
friends:list
importFriends()
generateThumbnails()

<<Interface>>
**friendsList
GUI**

Posts
name:string
wall:object
state:object
date:string
tagged:list
friend:object
visibilityStatus:string
exporter:object
comments:object
visibilityStatusState()
commentStatus()
getDate()
delete()
tag()
exportDatabase()

← State

newsFeedWall
name:string
friends:object
posts:object
date:string
importfriendsDataBase:object
friendPosts:object
visibilityStatus:string
setVisibility()
delete()
showRecentPosts()
showActivity()

<<Interface>>
newsFeedWallGUI

<<Interface>>
PostGUI

registryDatabase
name:string
password:string
friends:list
set_name()
set_password()
get_name()
get_password()
get_friends()

creation
name:string
password:string
ask_name()
ask_password()
validate()

<<Interface>>
creationGUI

CC
name:string
password:string
__init__()
set_name()
set_password()
get_name()
get_password()
login()
logout()

<<Interface>>
logoutGUI

<<Interface>>
loginGUI

status
name:string
status:string
friend:object
date:string
tagged:list
picture:object
comments:list
importer:object
exporter:object
create_status()
get_status()
status_export()
print_status()
tag_friends()
upload_picture()

Photo
fileName:object
date:string
caption:string
tagged:list
friend:object
comments:list
importer:object
exporter:object
uploadPhoto()
deletePhoto()
setAsProfilePicture()
addCaption()
viewPhoto()
tagPhoto()

myWall
name:String
friends:List
posts:objects
information:dict
exporter: object
importer: object
myPosts()

<<Interface>>
myWallGUI

friendsWall
name:String
friends:List
friend_requests:List
friend_requests_sent:List
exporter: object
importer: object
friendshipStatus: string
add_friend()
unfriend()
approve_request()
friendsPosts()
friendshipStatus()

<<Interface>>
**friendsWall
GUI**

friendThumbNailProxy
name:string
profilePicture:object

↑ Proxy ↑

activity
name:string
picture:object
date:string
comments:list
export()

profilePicture
photo:object
openFileName()

deletion
name:string
password:string
valid:object
__init__()
delete()

validation
name:string
password:string
checkBlank()

editProfile
name:string
profilePicture:object
gender:string
age:int
job:string
education:list
job history:list
importer:object
exporter:object
change_profilePicture()
change_otherInfo()
import_database()
export_database()

pictureThumbnailProxy
picture:object
-memberName

picturesPages
pictures:object
importer:object
generatePictures()
importPictures()

↑ Proxy ↑

<<Interface>>
**editProfile
GUI**

<<Interface>>
**picturesPages
GUI**

usrNameValidation
name:username
checkForbiddenChar()
checkAvailability()
checkExistence()

pwdValidation
password:string
checkLength()
checkReentry()
checkValid()

↑ Chain of Responsibility ↑

Design patterns used:

Proxy (Pictures and Friend's Profiles)
Chain of Responsibility (Name and password verification)
State (Post type: Activity, Status, Picture)
Façade (GUI interfaces' interaction)
Singletons (Validation, SignalSender, ActiveWindow)

*Note: All the GUI Interface Classes have connections as shown on the next page of this Class Diagram.

caffy

Matthew S. Lopez 2013-06417
Dominic Truelen 2013-20376

"Main Diagram" (CS 12 AY 1314B)

0..* ← State
0..*
0..*
1
0..*
1

<<Interface>>
notifSystem
GUI

<<Interface>>
picturesPages
GUI

<<Interface>>
homePageGUI

<<Interface>>
PostGUI

<<Interface>>
creationGUI

<<Interface>>
loginPageGUI

<<Interface>>
friendsList
GUI

<<Interface>>
friendsWall
GUI

<<Interface>>
groupGUI

<<Interface>>
loginPageGUI

Singleton →

1..*   1

<<Interface>>
activePageGUI

<<Interface>>
profilePage
GUI

<<Interface>>
logoutGUI

<<Interface>>
editProfile
GUI

<<Interface>>
accountSettings
GUI

<<Interface>>
navClassGUI

user

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Matthew S. Lopez 2013-06417
Dominic Truelen 2013-20376

"Summary Diagram" (CS 12 AY 1314B)