Board Class

**getDate()**

Return Date

**getMessages()**

Runs through the list of messages and returns an array of the selected amount from the starting point

While the selected number of messages haven’t been collected

Add current message to array from list

Go to next message in list

Return array of messages

**sendMessage()**

Adds the imputed message to the end of the message list on the board

Add message to list

**deleteMessage()**

Removes a message by shifting the list back over the message

For every message after the selected index

Assign next message to current message

**getFlags()**

Return flags array

**flagBoard()**

Add flag to flags array

Notify admin

**removeFlag()**

For every flag after the selected index

Assign next flag to current flag

**getViews()**

Return views

**addViews()**

Views++

Board Catalog

**filterBoard()**

Foreach board in the list

Add boards with all filters (ignoring filter types entered as null) to the output array

Return output array

Message

**getText()**

Return text

**setText()**

Text is set to input text

**getDate()**

Return date

User

**getName()**

Return Name

**setName()**

If name is not the same as any other users name

Set name to input name

**setPassword()**

If password is not the same as the current password && user was given admin permission

Set password to input password

Catalog

**addItem()**

Add item to end of the list of items

**removeItem()**

For every item after the selected index

Assign next item to current item

**matchImage()/matchAudio()**

for each item in the list

Run the matching algorithm

If this item has higher confidence than the previous item

Save the current item

if the confidence is too low

Return item and give low confidence notification

Else

Return item

Item

**setName()**

Set name to input name

**getName()**

Return name

Photo item

**getImage()**

Return Image

**setImage()**

Set image to input image

Audio item

**getAudio()**

Return Audio

**setAudio()**

Set Audio to input Audio