Documentation for users.py

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This file contains methods which relate to the users of this server, and the login server.

Functions:

def show_user_page():

This function is used to display the html of the main page to the user

Input: None

Output: page (string, html code for the page)

def save_online_users():

This function stores (in a database) most of the information retrieved by calling the login server's /getList API

The information stored is useful for initiating communication with other nodes.

Input: None

Output: None

def get_user_ip_port(destination):

This helper function is used to get the IP and port of a user who is stored in the database.

Input: destination (string, username of the user we are trying to get information about)

Output: info (dictionary, contains IP and port of the destination)

def log_error(error_message):

Helper function used to log errors into a text file

   Input: message (string, error to be logged)

   Output: None

def set_new_chat_user(destination):

Function used to set a new target destination for the chat page

   Input: destination (string, new chat target)

   Output: None

def refresh_user_list():

This function is called by a JavaScript function. It refreshes the online user list to be displayed on the page

   Input: None

   Output: out (json encoded dictionary, contains the html to be displayed)