



First Term Proyect

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1. REQUIEREMENTS SPECIFICATION

You must include a table that indicates which extensions have been made.

We want to make a chat application. Users can use the application to send texts and files to other users.

The application allow the user to:

- Register and login with cypher password.
- Send messages to other user.
- Send the same message to several users.
- Receives messages.
- Create a friendship with other user. User have to accept the friendship.
- See profiles from other users if both users are friends.
- Modify the user profile with a custom avatar.
- Create a group with several user and see the conversation between them and participate.

EXTENSION	IMPLEMENTED
Self-registration	YES
Password recovery	NO
Messages to several recipients	YES
Encrypted user password	YES
User avatar	YES
User profile	YES
Friendship	YES
Groups	YES
Administration zone	YES
Attached files	YES
Images	YES
AJAX	YES
Presentation	YES

Figure 1: Extensions Table

2. E/R SCHEME

We have 3 entities, the user, the room and the message.

The user's attributes are related to its personal information such us name, mail, password which is encrypted.

The users are in rooms, this rooms can be of two types: direct messages (from one user to another) or in a group (from one to more user). Each group has its own image that shows in each participant chat list. And the room has a code that identifies it, for direct messages the code is the participants code order from lower to highest. And if it is a group the code is the name of the group.

Each room is composed of messages. They have the code from the user that wrote it, the text that can be either a text or a file and the date when the message has been send.

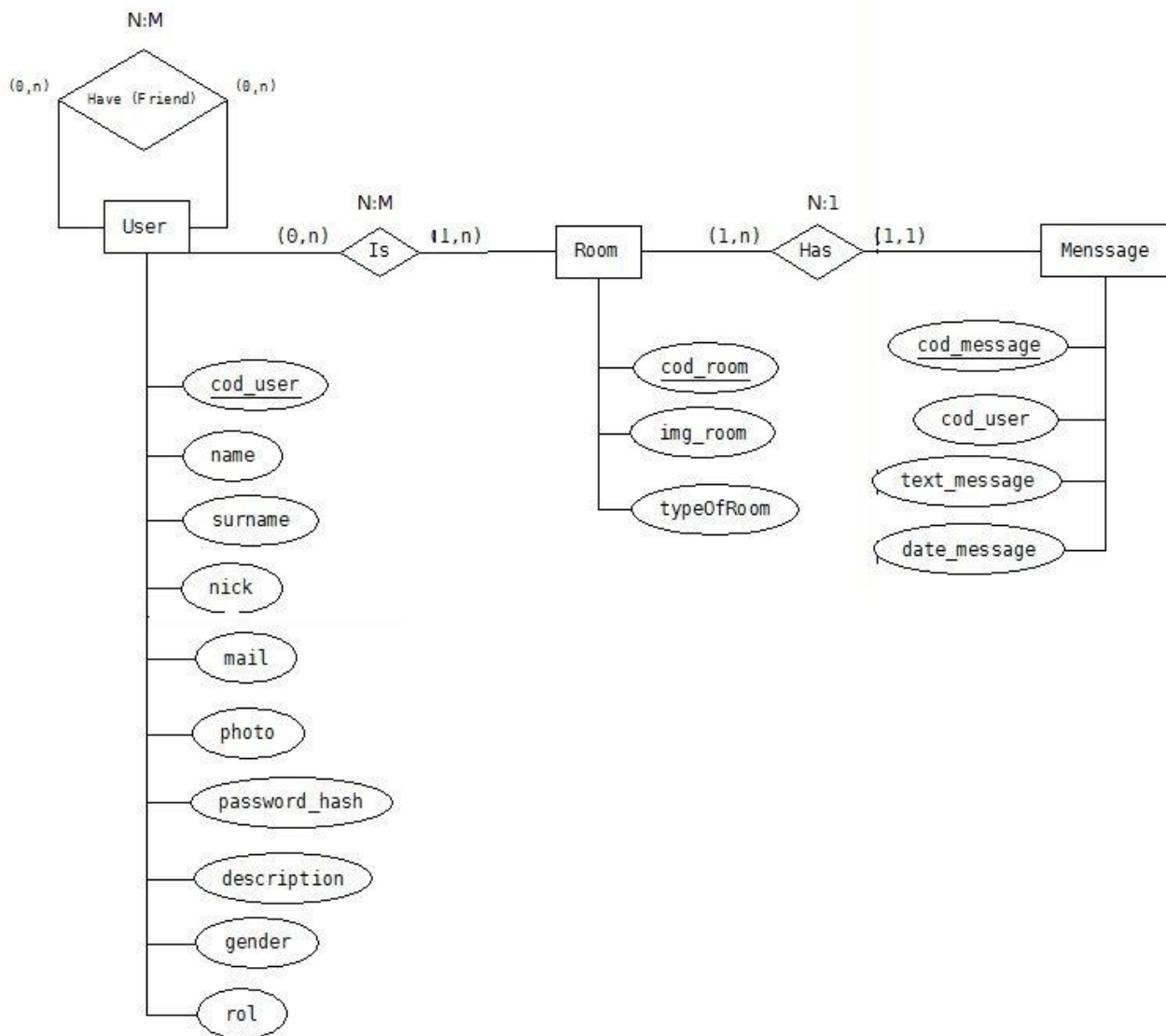


Figure 2: Entity Relationship Diagram

3. DIAGRAM OF THE DATABASE OBTAINED WITH SQL DEVELOPER

For the friendship system another table had to be made, this table contains both users, a status that indicates if the petition has been accepted or not and a code with both users codes from lower to highest.

Also we needed a table between user and room as a user can be in one or more rooms and the room can have one or more users, inside this table we have the field view. This field allows a user to see if a chat has a new message since it was last opened.

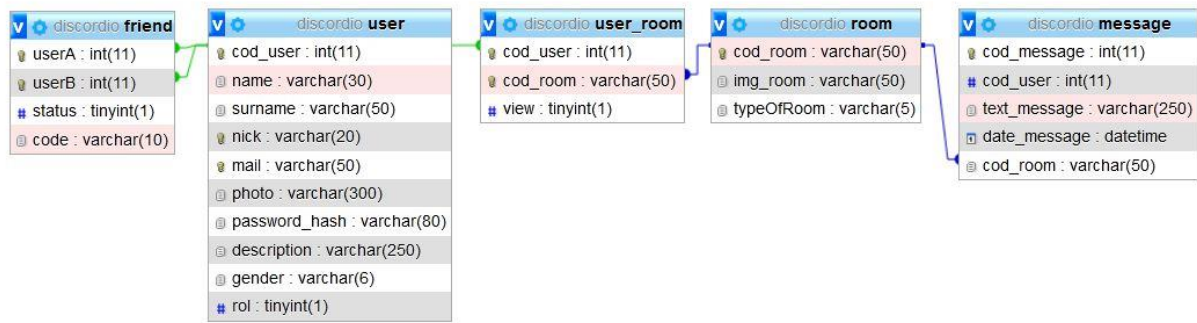


Figure 3: Diagram of the database

4. SCREEN MAP

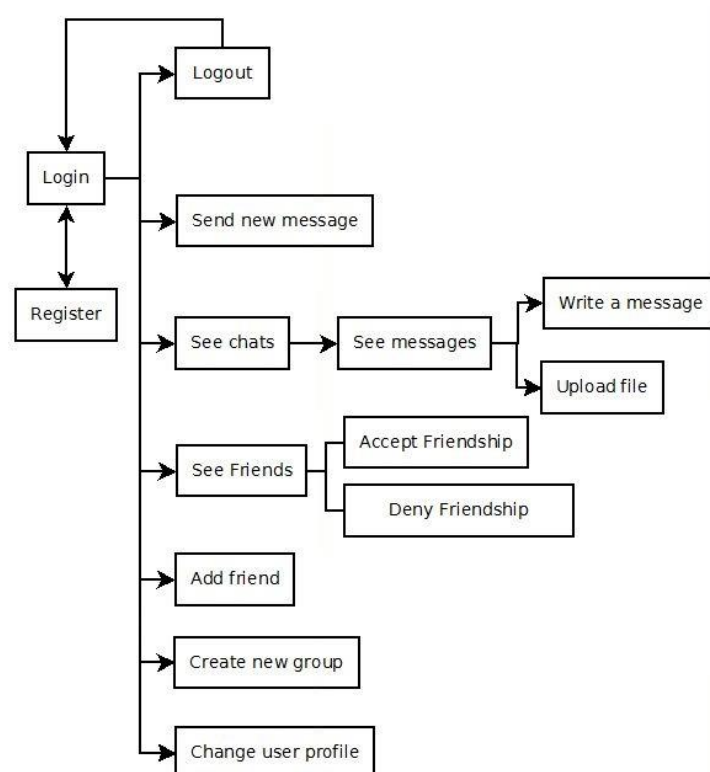


Figure 4: Screen Map

5. SUMMARY TABLE OF THE FILES THAT ARE PART OF THE APPLICATION

Path	Description	Parameters	Redirects / Calls to
acceptFriend.php	The php for accepting a friend(The tick in the petition)	\$_SESSION['user']['cod_user'] \$_POST['codUser']	
accessLogin.php	Checks if the login is correct	\$_POST['user'] \$_POST['password']	
allUser.php	Loads all the profiles for the admin to see		
chat AJAX.php	Loads the chat with users or groups and allows to send messages	\$_POST['codRoom'] \$_POST['avatar_chat'] \$_POST['name_chat'] \$_SESSION['user']['cod_user']	
contacts.php	The php for the left side of the screen	\$_SESSION['user']['cod_user']	
createNewGroup.php	Creates a new group	\$_POST['users'] \$_POST['nameGroup'] \$_SESSION['user']['cod_user']	
denyFriend.php	The php for denying a friend(The cross in the petition)	\$_POST['codUser'] \$_SESSION['user']['cod_user']	
friend.php	Shows the friends of the user	\$_SESSION['user']['cod_user']	
logout.php	Logs out of your session		main.php

newGroup.php	Button for creating a new group		
profFriend.php	Allows to see the profile of your friend	\$_POST['codUser']	
profile.php	Allows to change the user profile and also is where you add your picture and description	\$_SESSION['user']['cod_user']	
request_friend.php	The request of friendship from one user to another	\$_POST['user'] \$_POST['text'] \$_SESSION['user']['cod_user']	
search_bar_friend.php	Search for looking for a new friend		
search_bar.php	Search for looking for a user to send a new message		
send_message AJAX.php	Allows to write messages from one user to another	\$_POST['codRoom'] \$_POST['text'] \$_SESSION['user']['cod_user']	
send_message_newMessage.php	Sends a new message to a user	\$_POST['codRoom'] \$_POST['text'] \$_SESSION['user']['cod_user']	
send.php	Where the message is actually sent	\$_POST['user'] \$_POST['text'] \$_SESSION['user']['cod_user']	

sendFriendship.php	Sends the request of friendship from one user to another	\$_POST['nameUser'] \$_SESSION['user']['cod_user']	
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upload_files.php	Allows to upload files in the chat	\$_POST['codRoom'] \$_POST['cod_my_usr'] \$_POST['code_room'] \$_FILES['file']['name'] \$_FILES['file']['tmp_name'] \$_SESSION['user']['cod_user']	
uploadProfile.php	Updates the changes made to the user profile	\$_POST['name'] \$_POST['surname'] \$_POST['description'] \$_POST['nick'] \$_FILES["myfile"]["tmp_name"]	main.php
db.php	Here are all the queries to the database		
login.php	Login screen	\$_GET["redirected"]	
main.php	Here is where every php is called and loads	\$_SESSION['user']['cod_user']	
register.php	Creates your user if you don't have one	\$_POST['name'] \$_POST['surname'] \$_POST['nick'] \$_POST['email'] \$_POST['password'] \$_POST['gender'] \$_SERVER["PHP_SELF"]	

sessions.php	Where the session of the user logged in is stored	\$_SESSION['user']	
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functions.js	Here are all the functions that call the php for the main page		
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6. USER MANUAL

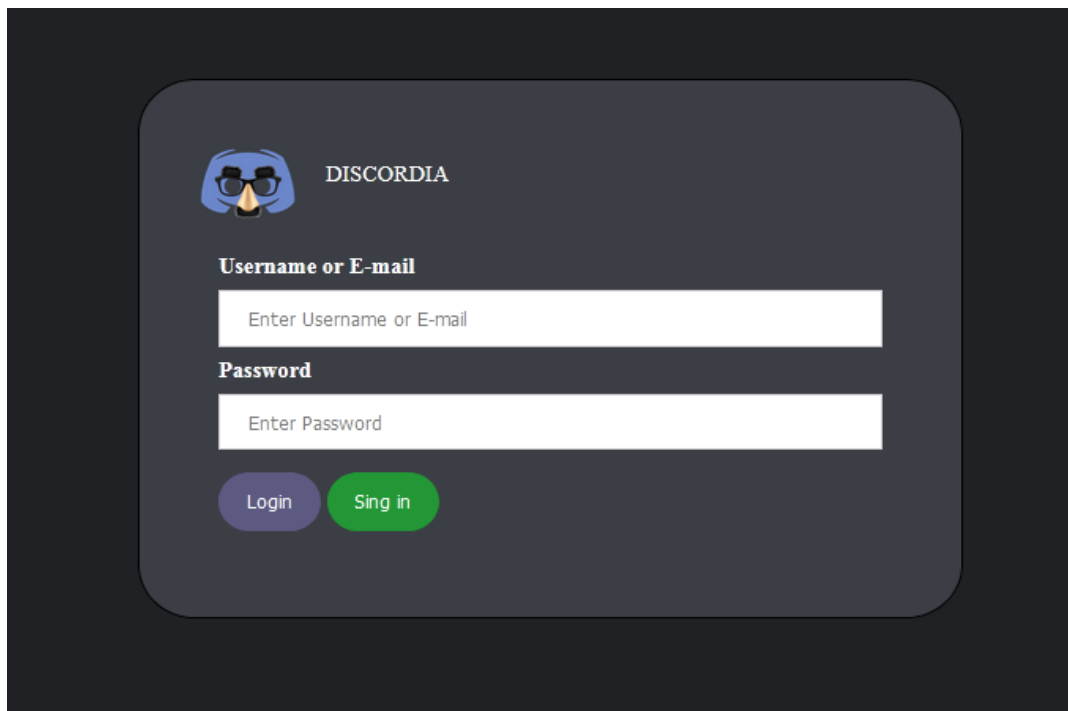
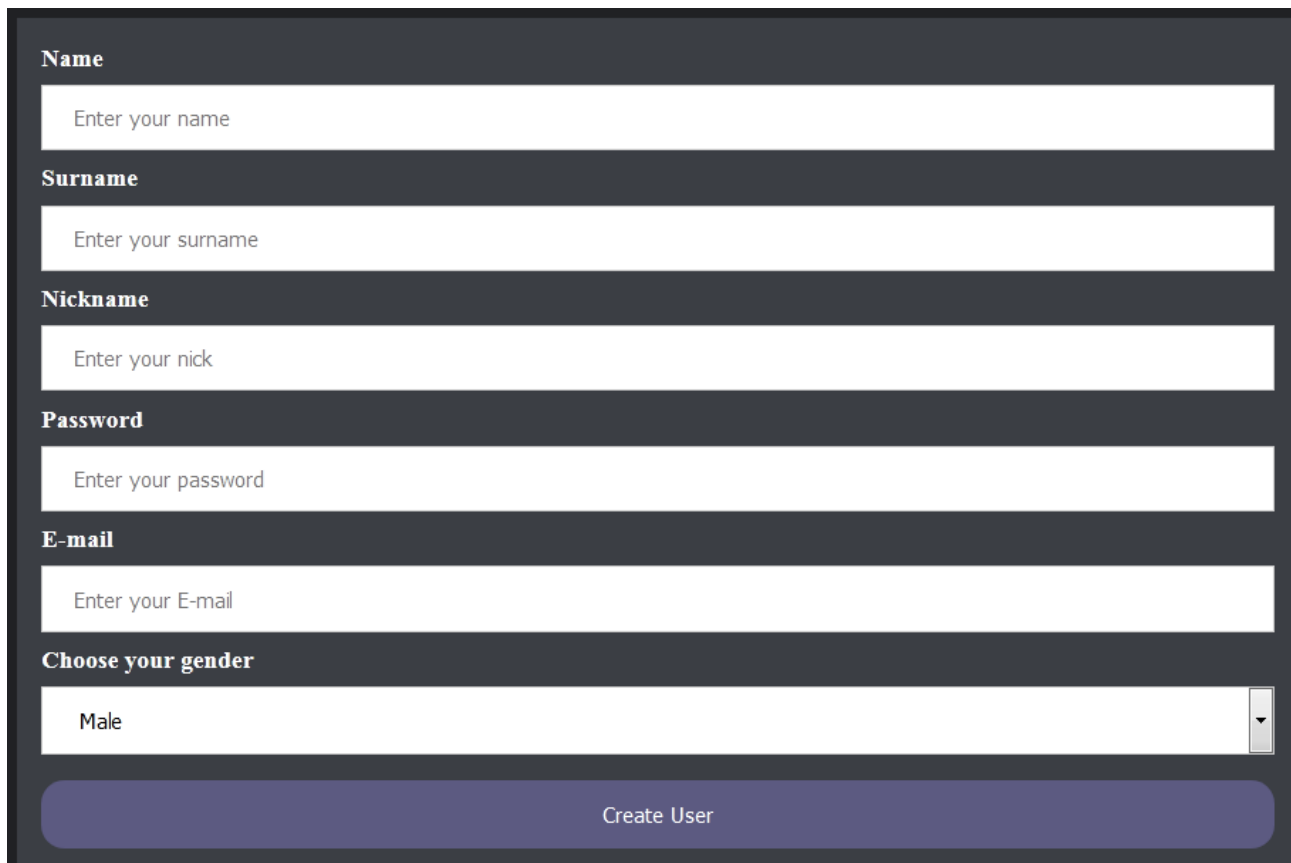
The image shows a login form for a service named 'DISCORDIA'. At the top left is a blue penguin-like character wearing glasses. To its right is the word 'DISCORDIA' in a light blue, sans-serif font. Below this, the text 'Username or E-mail' is displayed in a light blue font. Underneath is a white rectangular input field with the placeholder text 'Enter Username or E-mail'. Below that, the text 'Password' is displayed in a light blue font. Underneath is another white rectangular input field with the placeholder text 'Enter Password'. At the bottom of the form are two buttons: a light blue button labeled 'Login' and a green button labeled 'Sing in' (note the typo).

Figure 5: Login Form

This is the login form. You can login with your nick or email if you have an account or create a new profile



The image shows a registration form with a dark grey background. It contains several input fields, each with a label above it: 'Name' (with placeholder 'Enter your name'), 'Surname' (with placeholder 'Enter your surname'), 'Nickname' (with placeholder 'Enter your nick'), 'Password' (with placeholder 'Enter your password'), and 'E-mail' (with placeholder 'Enter your E-mail'). Below these is a dropdown menu labeled 'Choose your gender' with 'Male' selected. At the bottom is a wide, rounded button labeled 'Create User'.

Name

Enter your name

Surname

Enter your surname

Nickname

Enter your nick

Password

Enter your password

E-mail

Enter your E-mail

Choose your gender

Male

Create User

Figure 6: Register Form

This is the register form where you introduce your data for the new profile.

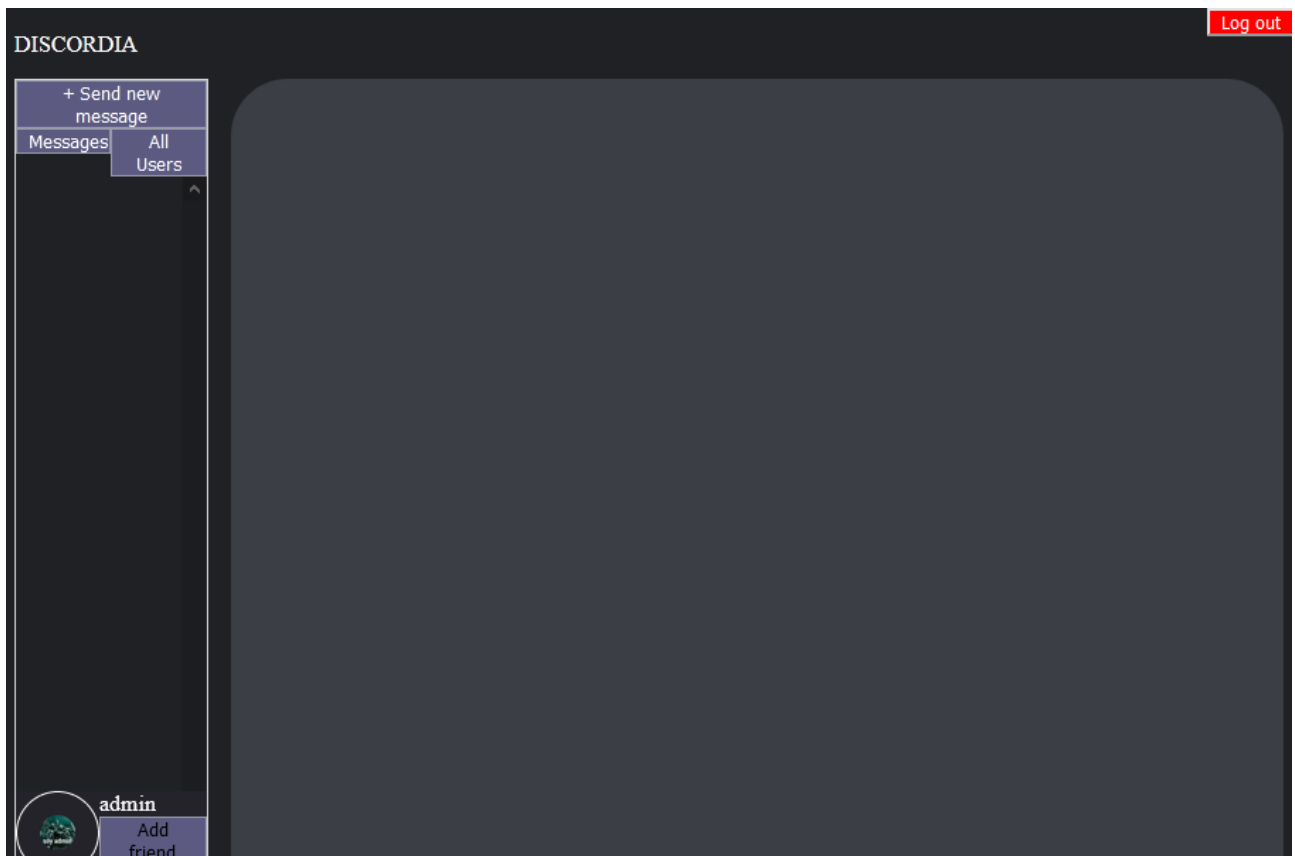
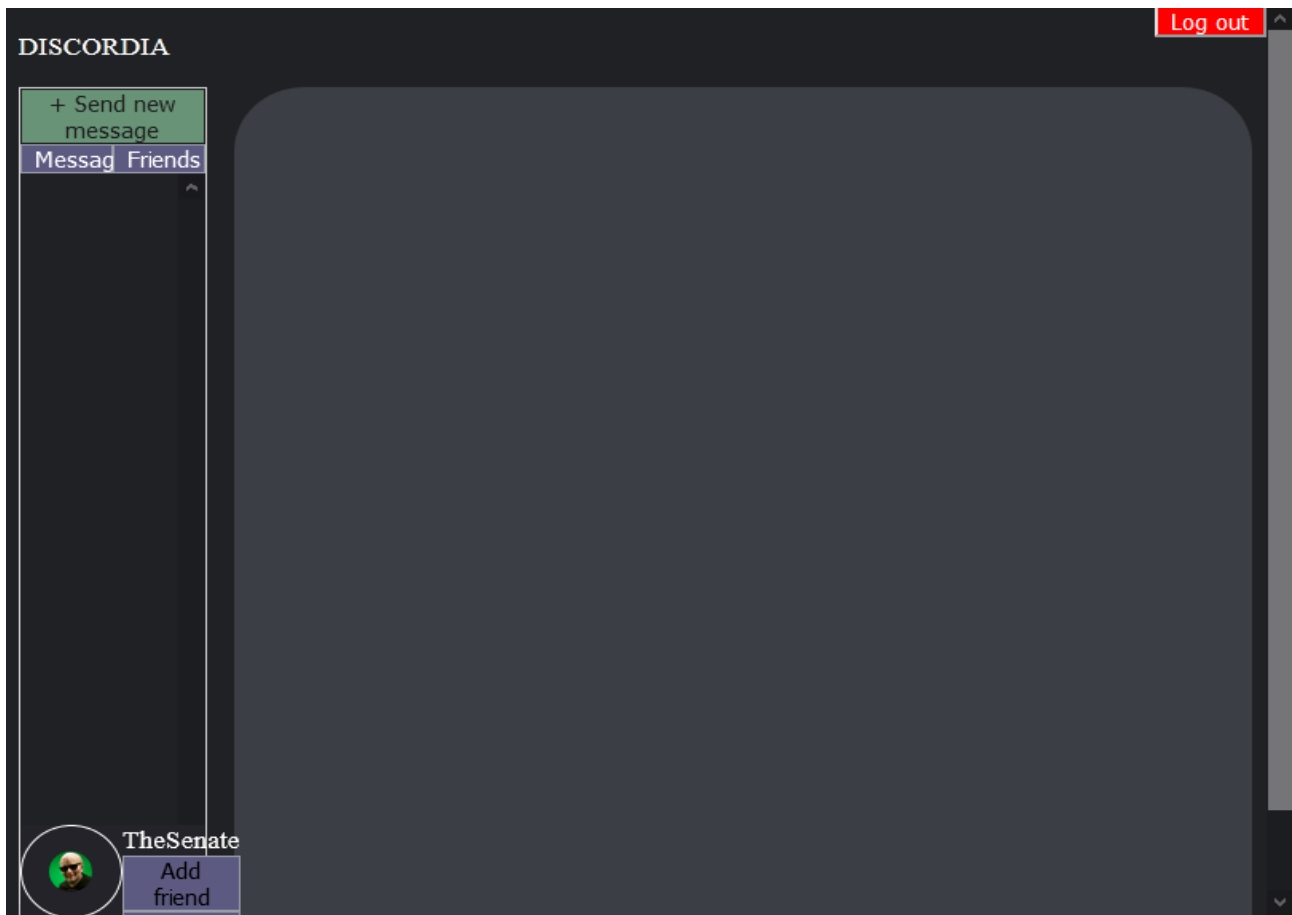


Figure 7: Home Page

This is the admin profile where as an admin he can see all the profile that are store in the data base beside doing all the other functions a regular user could do.

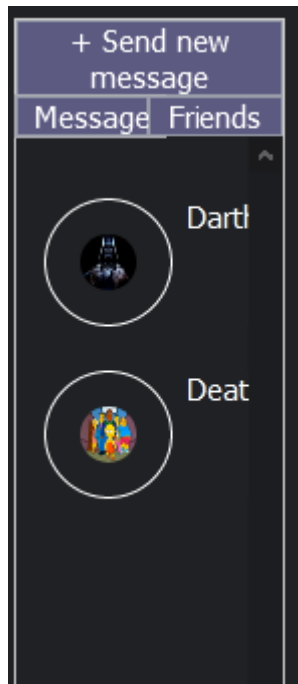


This is a regular user main page. Where it can see its messages, add friends, send new messages, create groups or logout.

A form for sending a new message. It features a dark gray background with a rounded rectangle containing a search bar. The search bar has the text "Search for someone" and a placeholder "Enter Username". Below the search bar is a large white text input field. To the right of the text input field is a gray button labeled "Send".

Figure 8: Send New Message From

This is the form for a new message where you can write the user or users (separated by spaces) and the text you want to send them.



*Figure 9: Message
Chats Actives*

This is the space where the messages from users and groups are seen. If the icon is clicked, it will show the conversation.

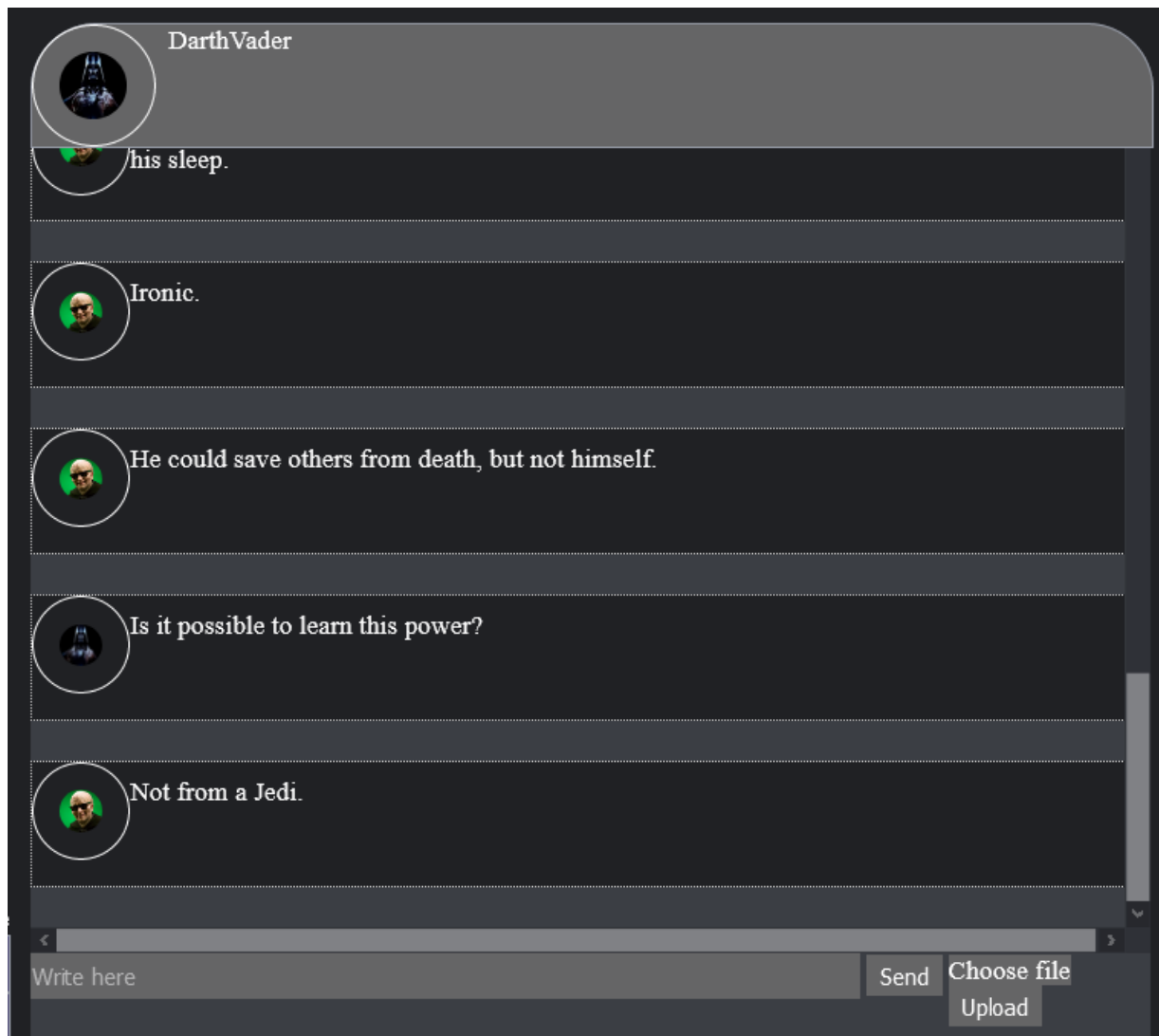


Figure 10: Message Chat Content

This is the chat where the user can read or write messages or send files.

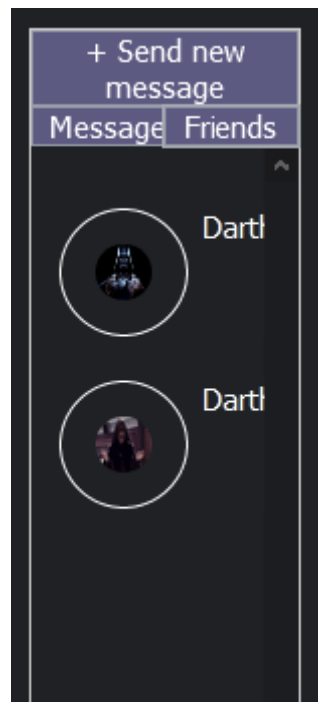
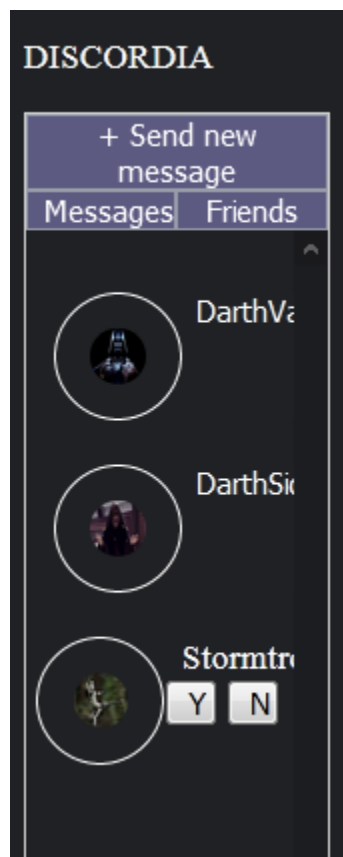


Figure 11: Friend Section



This is the space where the friends from the user are seen. If the icon is clicked, it will show the profile of your friend. If you have a request you can either accept it or deny it.

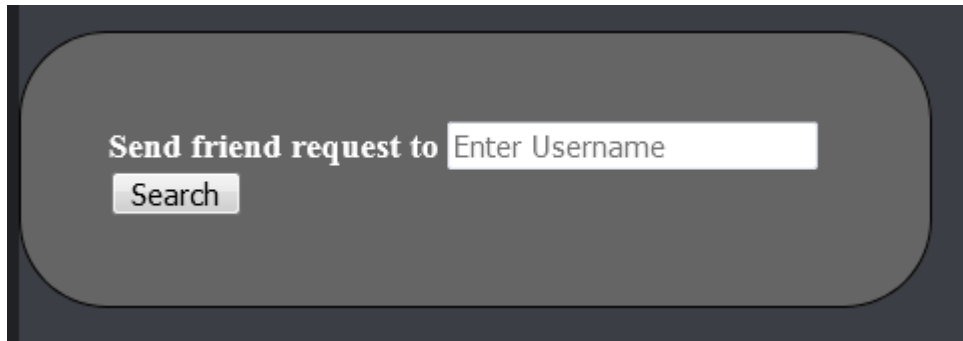
A dark gray rounded rectangular form with a black border. It contains the text "Send friend request to" in white, followed by a white text input field with the placeholder "Enter Username". Below the input field is a small gray button with the text "Search" in white.

Figure 12: Send Friend Request Form

This is where you search a new friend by entering its nick.

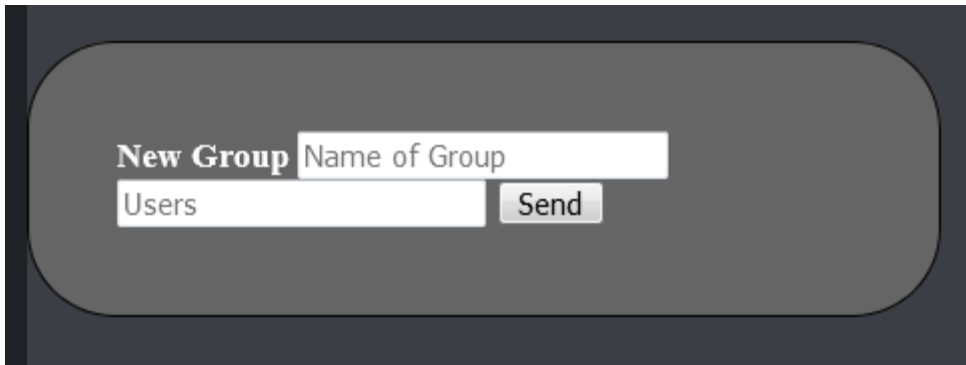

A dark gray rounded rectangular form with a black border. It contains the text "New Group" in white, followed by a white text input field with the placeholder "Name of Group". Below this is a white text input field with the placeholder "Users" and a small gray button with the text "Send" in white.

Figure 13: Create New Group Form

This is where you create a new group by entering the group name, and the users it will contain, by default the first message of a group will be from the user that created it.



New name

New surname

Description about yourself(250 characters)

Choose avatar photo

Save changes

Figure 14: Profile User Section

This is your profile section, where you can modify your personal information and also sends your default profile picture and add your description.