

Documentation: Message-App

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Requirements:

- PHP >= 7.1
- Composer
- XAMPP

Deploy configuration:

1. First you can find the code of the application on GitHub: [Message-App](#). Clone this repo on your machine, if you want to deploy it with XAMPP, you can clone directly on your htdocs folder: C:\xampp\htdocs.
2. For the connection to the database, you need to change the **config.php** on the project with your parameters.

```
// Update the details below with your MySQL details
define('DBUSER', 'root');
define('DBPWD', 'root');
define('DBHOST', 'localhost');
define('DBNAME', 'chatapp');
```

3. To create the database on your local machine you need to run two different scripts, one for the creation of the database(Database-ChatApp.sql) and the other for inserting some initial data to see on the application(Initial Data.sql) . You can find those files in the directory sql on the project.

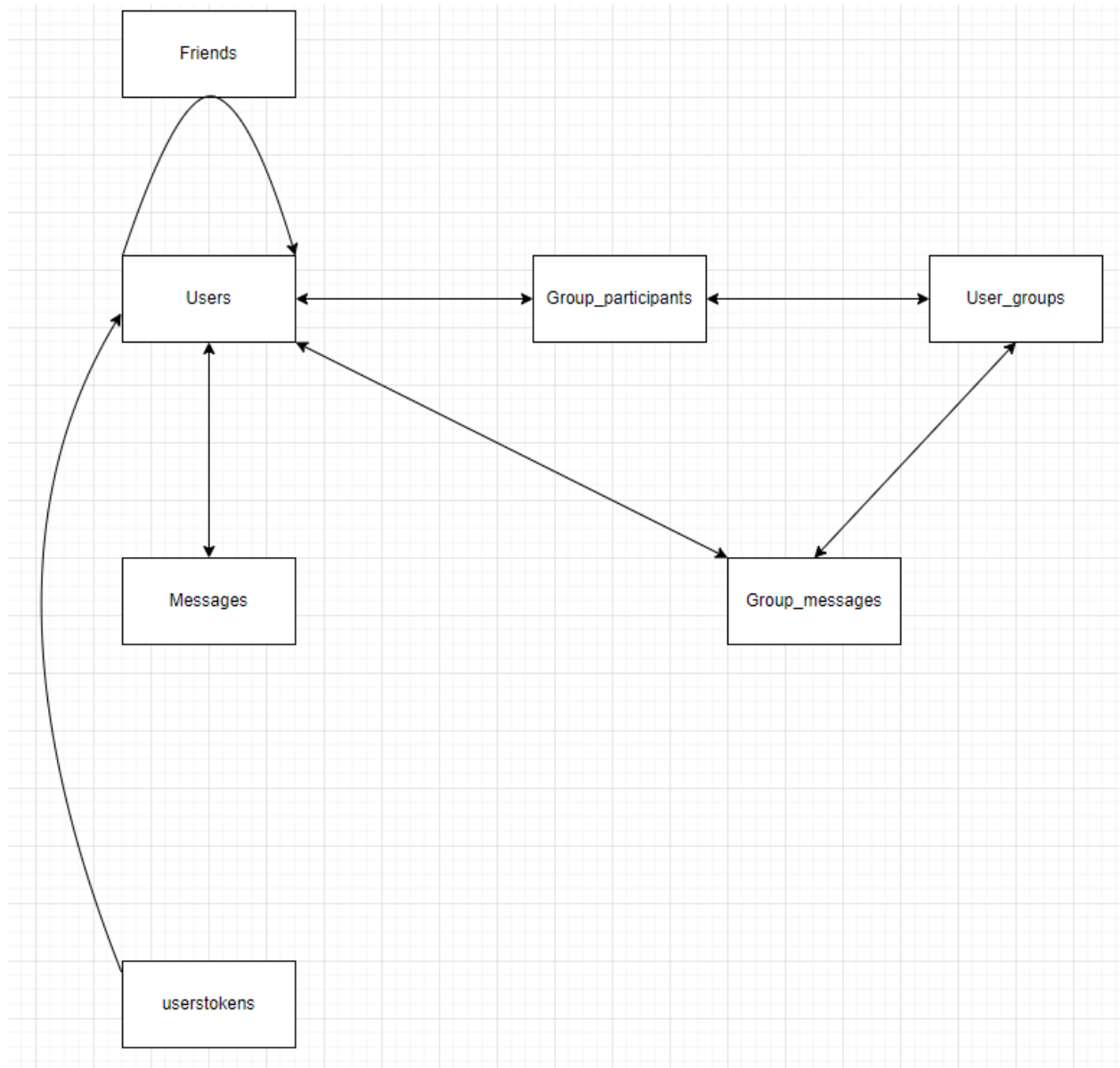
Test credentials:

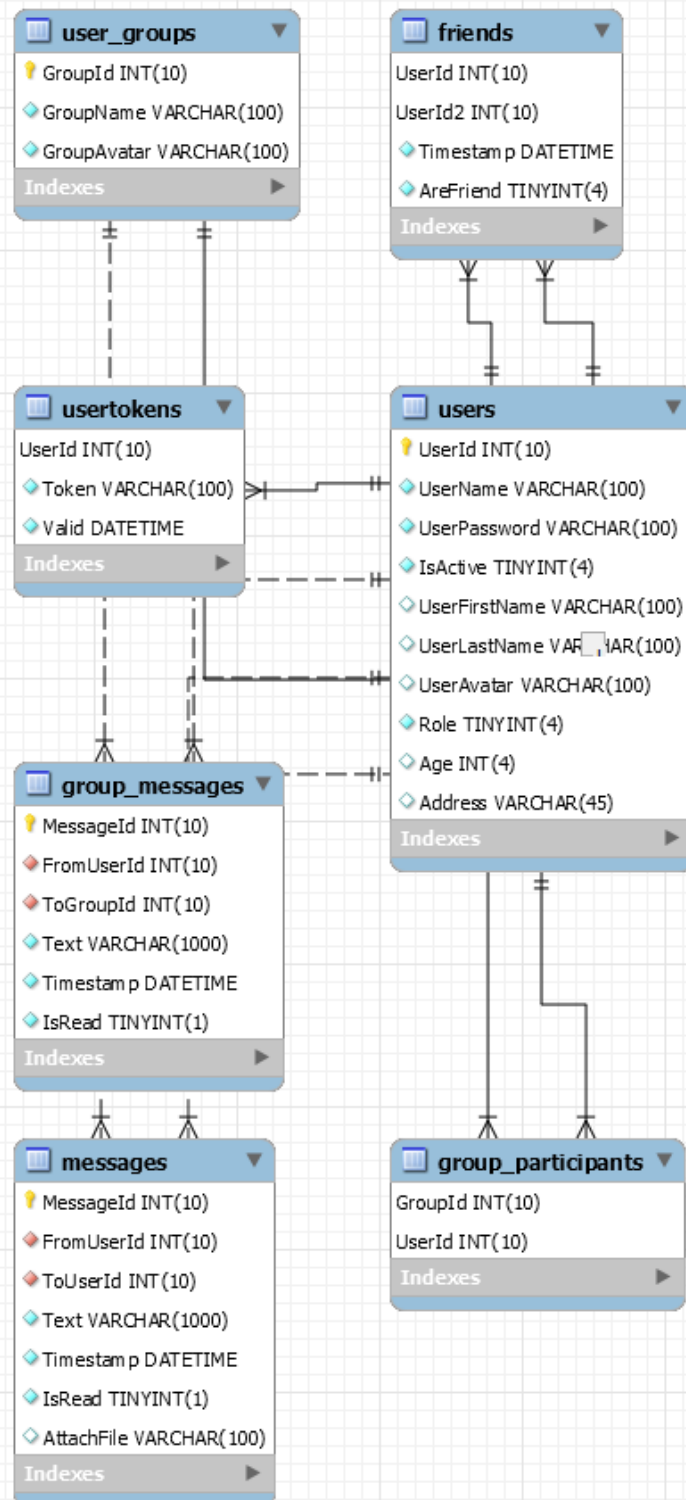
Users :

- Admin: luis@gmail.com
- User: [pepe@gmail.com](#), [jhon@gmail.com](#), alex@gmail.com

Password for all the users and admin: 1234

Database schema:

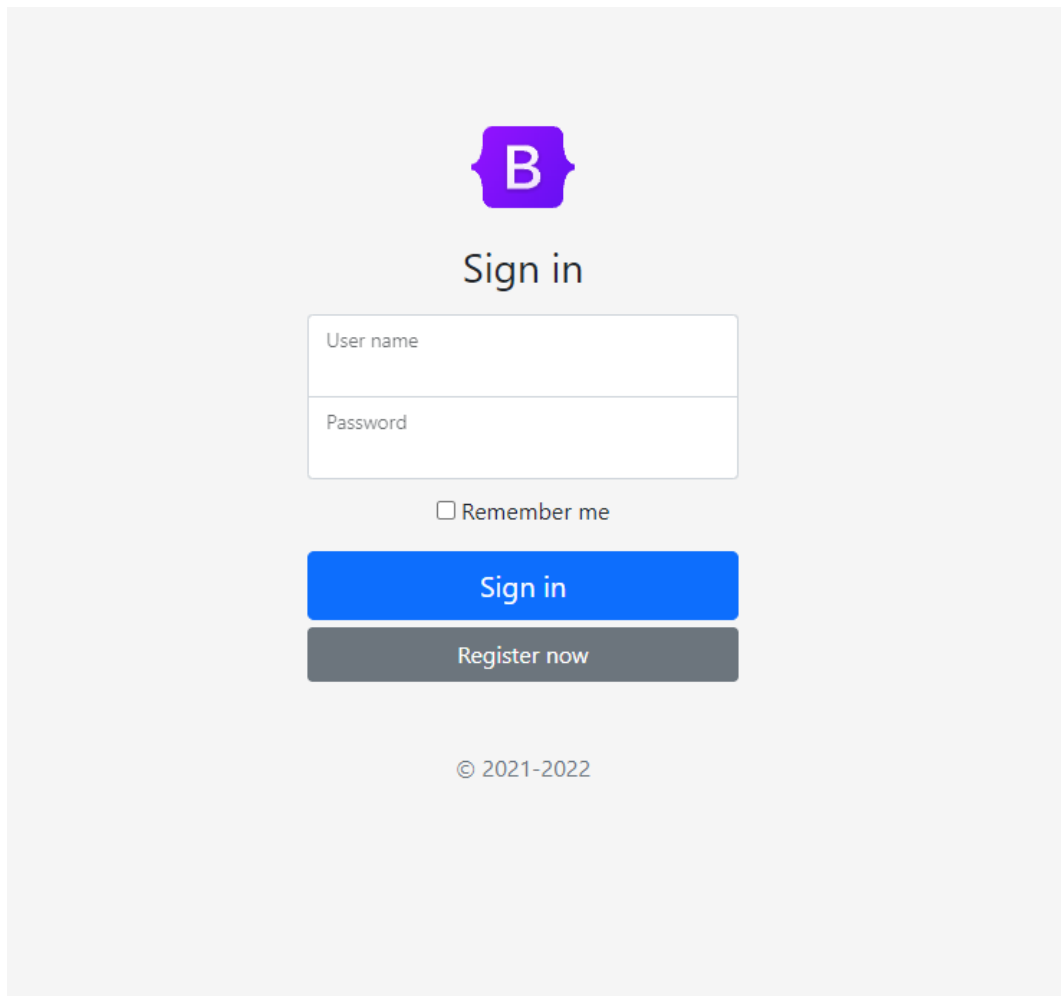





Features implemented:

Basic functionality:

1. Access:



The image shows a sign-in form on a light gray background. At the top center is a purple logo with a white letter 'B'. Below the logo is the text 'Sign in'. Underneath is a form with two input fields: 'User name' and 'Password'. Below the password field is a checkbox labeled 'Remember me'. There are two buttons: a blue 'Sign in' button and a gray 'Register now' button. At the bottom center is the copyright notice '© 2021-2022'.



Sign in

User name

Password

☐ Remember me

Sign in

Register now

© 2021-2022

2. Sending:

To:

Message

New message

Attach file or image


Seleccionar archivo

Ningún archivo seleccionado

Send










Send message to multiple users

3. Inbox:

Shaped's Inbox 


New message

Alex's Inbox

	John Jackson holi	2021-11-21 11:40:12	<input checked="" type="checkbox"/>
	John Jackson holi	2021-11-21 11:38:22	<input checked="" type="checkbox"/> 
	John Jackson hola de nuevo	2021-11-21 11:34:42	<input checked="" type="checkbox"/>
	John Jackson buenos días	2021-11-21 11:27:05	<input checked="" type="checkbox"/>
	Luis Gonzales hola	2021-11-20 13:54:56	<input checked="" type="checkbox"/> 
	Pepe Perez hola	2021-11-20 12:22:59	<input checked="" type="checkbox"/>
	John Jackson Hola, mañana hablamos	2021-11-19 00:17:11	<input checked="" type="checkbox"/>

4. Messages:

John Jackson's Message

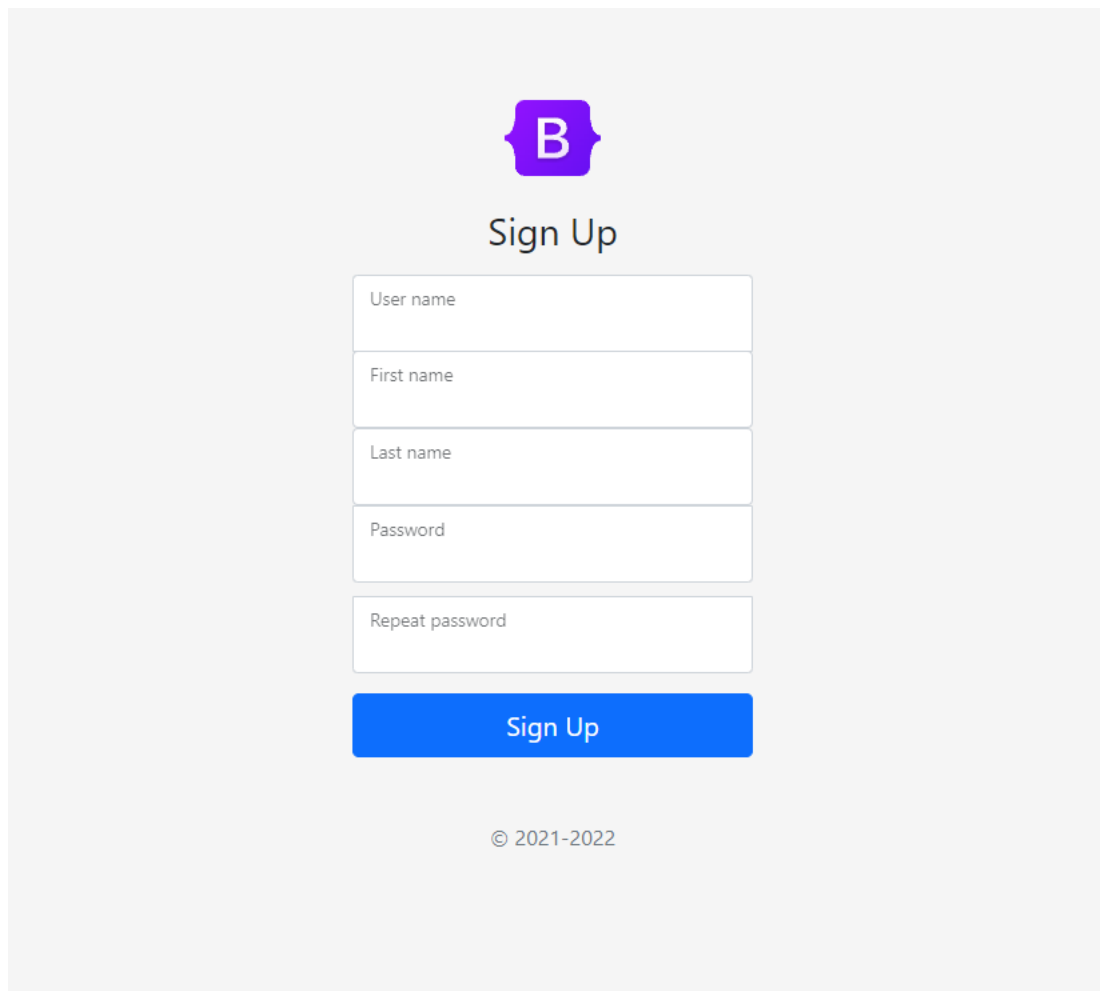
	To: Alex alex@gmail.com Hola Alex, este es un nuevo mensaje de John	2021-11-07 20:14:49
---	--	---------------------

Reply


Extensions

ENLARGEMENT	MADE (Y / N)
A1	Y
A2	N
A3	Y
A4	Y
A5	Y
A6	Y
A7	Y
A8	Y
A9	Y
A10	Y
A11	Y
A12	N
A13	Y
A14	Y

Self-registration A1:



A self-registration form titled "Sign Up" with a purple logo containing a white letter 'B'. The form consists of five input fields: "User name", "First name", "Last name", "Password", and "Repeat password". Below the fields is a blue "Sign Up" button. At the bottom of the form is a copyright notice "© 2021-2022".



Sign Up

User name

First name

Last name

Password

Repeat password

Sign Up

© 2021-2022

Verification email Inbox x



Confirmation link <luismonped4609@gmail.com>
to me ▾

[Pls click this link to finish your registration process.](#)

 Reply

 Forward

Messages to multiple recipients A3:

New message

Text

Messages participants

jhon@gmail.com
alex@gmail.com
luis@gmail.com
Jose

Attach file

Seleccionar archivo

Ningún archivo seleccionado

Send

Encrypted password A4:

```
}  
if ($_SERVER["REQUEST_METHOD"] == "POST") {  
    //information of the new user sent from register form  
    $myusername = $_POST['username'];  
    $mypassword = password_hash($_POST["password"], PASSWORD_DEFAULT);  
    $myuserFirstName = $_POST['firstname'];  
    $myuserLastName = $_POST['lastname'];  
}
```

```
//Verify the hashed password  
if (password_verify($_POST["password"], $result['UserPassword'])) {  
    //Get the user role  
    if ($result['Role'] == 0) {  
        $_SESSION["userrole"] = USERROLE;  
        header('location: index.php?page=home');  
    } else {  
        $_SESSION["userrole"] = ADMINROLE;  
        header('location: index.php?page=admin-zone');  
    }  
}
```

User avatar A5:

- Upload an image and update it:


Edit profile

First name	Last name
<input type="text" value="Pepe"/>	<input type="text" value="Perez"/>
Email	
<input type="text" value="pepe@gmail.com"/>	
Age	
<input type="text" value="21"/>	
Address	
<input type="text" value="Calle/ Pepito de los palotes"/>	
New avatar	
<input type="button" value="Seleccionar archivo"/>	<input type="button" value="Ningún ...ccionado"/>




User profile A6:

- The user can see his profile:

	Alex Fernandez Email: alex@gmail.com Age: 42 Address:
---	---

-
- Your friends can check your profile:



John Jackson

Email: jhon@gmail.com

Age:

Address:

Send a message

Friendship A7:





- Send a friend request:

Search:


Send friend request

-
- Checking your friend list

Pepe's Friends List

	jhon@gmail.com
	alex@gmail.com
	shapedlm2020@gmail.com
	pepeperez4609@gmail.com

Pending friends requests

	Luis Monzon	Accept	Ignore
---	-------------	------------------------	------------------------


Groups A8:

- Allow the creation of groups that are collections of user names. When you send a message to one of these groups, it is sent to each of the users.


Shaped's Group List

New group

Group: Friends

 **Luis Monzon** 2021-11-21 20:49:21 ☒
Hola Alex, este es un nuevo mensaje de John








 **Pepe Perez** 2021-11-20 19:38:50 ☒
Hola

 **Pepe Perez** 2021-11-20 19:39:21 ☒
ey

New message

Send

Pepe's Group List

	Amigos de Pepe
	Friends
	Fiesta mañana
	Hasta mañana
	compañía de pepe
	A valencia
	el grupo de la vida

New group

New Group

Group name

Group participants

jhon@gmail.com
alex@gmail.com
luis@gmail.com
Jose

Group avatar

Seleccionar archivo

Ningún archivo seleccionado

Save

Administration zone A9:

```
6 //Verify user role
7 if (!is_user_in_role(ADMINROLE)) {
8     //Error
9     $errorMessage = "Unauthorized";
10    template_error('Error', $errorMessage);
11 }
```

Message App

Search

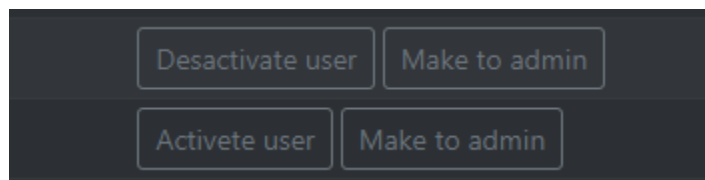
Sign out

Dashboard

Go to message-app

Users List

Userid	Email	First name	Last name	Active	Role	Avatar	Buttons	
1	jhon@gmail.com	John	Jackson	1	0	uploads/yiran-ding-726226-unsplash.jpg	Desactivate user	Make to admin
2	alex@gmail.com	Alex	Fernandez	1	0	uploads/graffiti_room-wallpaper-1920x1080.jpg	Desactivate user	Make to admin
3	pepe@gmail.com	Pepe	Perez	1	0	uploads/robert-lukeman-128791-unsplash.jpg	Desactivate user	Make to admin
5	Jose			1	0	/Chat-App/assets/icon-usuario.png	Desactivate user	Make to admin
6	Maria			0	0	/Chat-App/assets/icon-usuario.png	Activate user	Make to admin
7	Diana			0	0	/Chat-App/assets/icon-usuario.png	Activate user	Make to admin
10	Antonio			0	0	/Chat-App/assets/icon-usuario.png	Activate user	Make to admin
13	Miguel			0	0	/Chat-App/assets/icon-usuario.png	Activate user	Make to admin
17	shapedm2020@gmail.com	Luis	Monzon	1	0	/Chat-App/uploads/user_default_avatar.jpg	Desactivate user	Make to admin
19	pepeperez4609@gmail.com	Pepe2	Perez	1	0	/Chat-App/assets/icon-usuario.png	Desactivate user	Make to admin
28	shapedheart4609@gmail.com	Shaped	the best	1	0	/Chat-App/assets/icon-usuario.png	Desactivate user	Make to admin
29	luis.monzon.pedreira@alumnos.upm.es	Luis	El mejor	1	0	/Chat-App/assets/icon-usuario.png	Desactivate user	Make to admin



Attach files A10:

Attach file or image

Seleccionar archivo

Ningún archivo seleccionado

Send

Send message to multiple users

Luis Gonzales's Message



To: Pepe pepe@gmail.com
ey

2021-11-20 13:51:12

1 / 2

—

+



CONSEJERIA DE EDUCACIÓN E INVESTIGACIÓN

Comunidad de Madrid

Calendario escolar 2020-2021

Septiembre 2020							Octubre 2020							Noviembre 2020						
L	M	X	J	V	S	D	L	M	X	J	V	S	D	L	M	X	J	V	S	D
	1	2	3	4	5	6				1	2	3	4							1
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15
21	22	23	24	25	26	27	19	21	22	23	24	25		16	17	18	19	21	21	22
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29

Diciembre 2020							Enero 2021							Febrero 2021						
L	M	X	J	V	S	D	L	M	X	J	V	S	D	L	M	X	J	V	S	D
	1	2	3	4	5	6					1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	21	11	12	13	14	15	16	17	15	16	17	18	19	21	21
21	22	23	24	25	26	27	18	19	21	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28	29	30	31							

Marzo 2021							Abril 2021							Mayo 2021						
L	M	X	J	V	S	D	L	M	X	J	V	S	D	L	M	X	J	V	S	D
1	2	3	4	5	6	7				1	2	3	4						1	2
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
15	16	17	18	19	21	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
22	23	24	25	26	27	28	19	21	21	22	23	24	25	17	18	19	20	21	22	23

Reply

Images A11:

Attach file or image

Seleccionar archivo

Ningún archivo seleccionado

Send

Send message to multiple users

```
<!--Logic for show the attach file or image-->
<?php if ($message['AttachFile'] == null) {
    $isAttached = "";
    $isDisplayedImg = "d-none";
    $isDisplayedFile = "d-none";
} else {
    $extension = substr($message['AttachFile'], -3, 3);
    $isAttached = $message['AttachFile'];
    if (
        $extension == "jpg" || $extension == "png" || $extension == "jpeg"
        || $extension == "gif"
    ) {
        $isDisplayedImg = "";
        $isDisplayedFile = "d-none";
    } else {
        $isDisplayedFile = "";
        $isDisplayedImg = "d-none";
    }
}

You, seconds ago • Uncommitted changes
} ?>
```

Alex Fernandez's Message



To: Pepe pepe@gmail.com

2021-11-21 23:24:19

Hola Pepe, te estoy hablando para
saber de ti








Reply

Outbox A13:

The list of the messages shown in the outbox are ordered by the date.

Pepe's Outbox

	John Jackson ey	2021-11-20 23:29:48 
	Luis Gonzales yes	2021-11-20 21:55:47
	Luis Gonzales eyy que paso	2021-11-20 19:15:37
	John Jackson holi	2021-11-20 19:14:08

New message

Text

Hola amigos, habeis terminado la practica de chat?

Messages participants

jhon@gmail.com
alex@gmail.com
luis@gmail.com
Jose

Attach file

Seleccionar archivo Ningún archivo seleccionado

Send

Pepe's Outbox



John Jackson

2021-11-25 11:36:43

Hola amigos, habeis terminado
la practica de chat?



Alex Fernandez

2021-11-25 11:36:43

Hola amigos, habeis terminado
la practica de chat?



Luis Gonzales

2021-11-25 11:36:43

Hola amigos, habeis terminado
la practica de chat?



Luis Monzon

2021-11-25 11:36:43

Hola amigos, habeis terminado
la practica de chat?

Error control:

Error example:

- Get the error:

```
//Error handling
if (isset($_GET["messageError"])) {
    $messageError = $_GET["messageError"];
}
```

- Show the error on the page:

```
<?php if (isset($messageError)) {
    template_error_inpage('Error', $messageError);
} ?>
<?php if (isset($messageSuccess)) {
    template_success_inpage('Success', $messageSuccess);
} ?>
```

- Example error(login):

```
//Verify the hashed password
if (password_verify($_POST["password"], $result['UserPassword'])) {
    //Get the user role
    if ($result['Role'] == 0) {
        $_SESSION["userrole"] = USERROLE;
        header('location: index.php?page=home');
    } else {
        $_SESSION["userrole"] = ADMINROLE;
        header('location: index.php?page=admin-zone');
    }
} else {
    $messageError = "The user or password are incorrect, please verify your information";
    header('location: index.php?page=login&messageError=' . $messageError);
}
}
```



Sign in

☐ Remember me

The user or password are incorrect,
please verify your information

Sign in

Register now

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Error for the messages:

To:

Message

Attach file or image

Seleccionar archivo

Ningún archivo seleccionado

There is not user register with that name

Send

Send message to multiple users

Error sending friend request to an already friend:

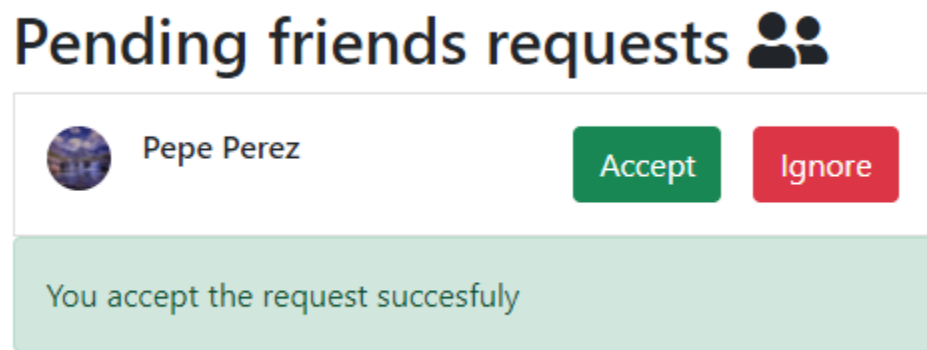
You are already friends

Search:

Send friend request

Success control:

You accept a friend request:



You ignore a friend request:

