FakeyGram

FakeyGram is a hybrid of a mailing application and a chat application. Users log in with their emails and have inoxes and outboxes just like any mailing app, showing read and unread messages instead of individual chats. However, the messaging part is like a chat, so the user can see the history of messages just as he would in other chat applications.

FakeyGram allows users to search for other users in order to start chats, and all users can send messages to each other, they can also choose to be friends with each other.

All users have a profile and profile picture which they can decide whether to customize or not. Only their friends have access to their profile, and only the user can alter their own profile.

FakeyGram has one admin user, who has access to the admin zone, no other users can be administrators,only the already predefined admin user.

Entity-Relationship diagram:

V ⚙ fakeygram **users**
🔑 id : int(100)
▤ email : varchar(255)
▤ name : varchar(255)
▤ password : varchar(255)
▤ pfp : varchar(255)
▤ status : varchar(255)
▤ age : varchar(255)

V ⚙ fakeygram **messages**
🔑 id : int(100)
▤ sent_by : varchar(255)
▤ received_by : varchar(255)
▤ message : varchar(255)
▤ createdAt : varchar(255)
opened : int(1)

V ⚙ fakeygram **friendship**
▤ fromWho : varchar(255)
▤ toWho : varchar(255)
▤ fStatus : varchar(1)

Extensions carried out:

ENLARGEMENT	DESCRIPTION	MADE (Y/N)
A1	Self registration	Y
A2	Password recovery	N
A3	Multiple messaging	N
A4	Encrypted password	Y
A5	User avatar	Y
A6	User profile	Y
A7	Friendship	Y
A8	Groups	N
A9	Admin zone	Y
A10	Attach files	N
A11	Attach images	N
A12	Testing	N
A13	Outbox	Y
A14	Presentation	Y

Test data:

Users in database logins (except admin):

mauricio@gmail.com | password: alumno
naruto@gmail.com | password: alumno
adrian@gmail.com | password: alumno
alfredo@gmail.com | password: alumno
luis@gmail.com | password: alumno

-All of these users have messages in their inboxes (some read and some unread) and outboxes.(some read and some unread)(**A13**)
-All of these users have a hashed password (**A4**).

-Users mauricio,adrian and naruto all have custom avatars(**A5**).
-All users have a profile, naruto and adrian users have a custom profile (**A6**).
-User mauricio has a friend and a pending request. User adrian has a pending request.
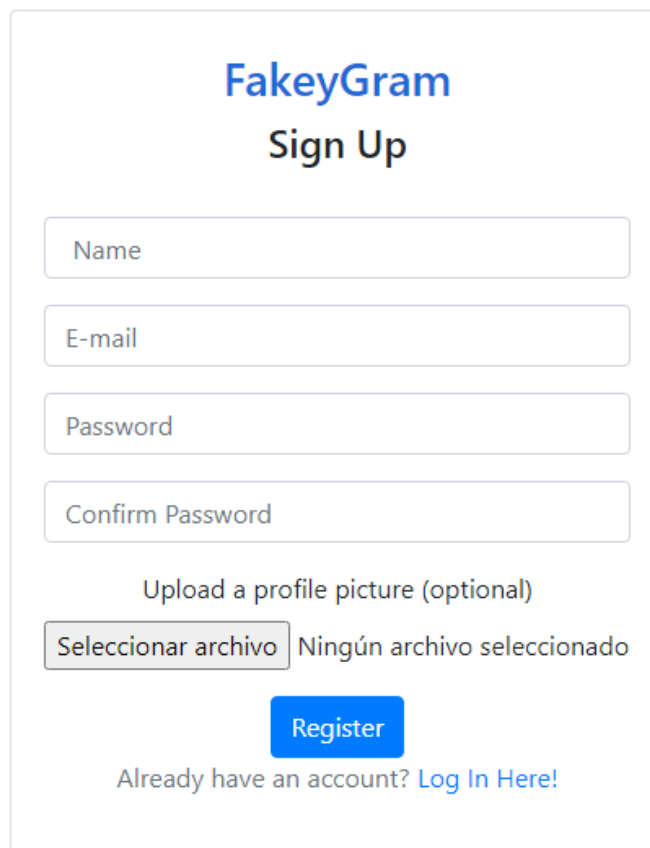User naruto, luis and alfredo have a friend. (**A7**)

<u>Admin user in database:</u>**(A9)**

        admin@root.com | password: admin

-Admin user can access the admin zone to delete users or messages, this user doesn´t
have access to the normal functionality of the application.

FakeyGram´s User Manual:

Registration (A1):

        A new user will have to fill all the fields in order for the user to be created, they
could also upload a profile picture if they want; the profile picture will be set to a default
one if the user ignores this option.

The app will automatically hash the user's password in order to be the safest possible.

If the user already has an account, he can click the link below to get redirected to the Login Page.
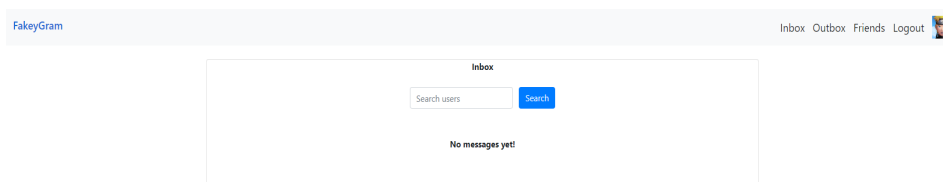
Log In:

The user now has to input his email and password in order to log in. They also have the choice to recover their password in case they forget it.

If the user is a new user they can press Sign Up here at the bottom to be redirected to the registration page.

There is also an admin user that can be accessed, more on that later.

Inbox:

Once the user logs in correctly, they will be redirected to the inbox screen. On the top side of the screen is the navbar, where the user can go to the inbox, outbox, friend page, log out and to their profile.

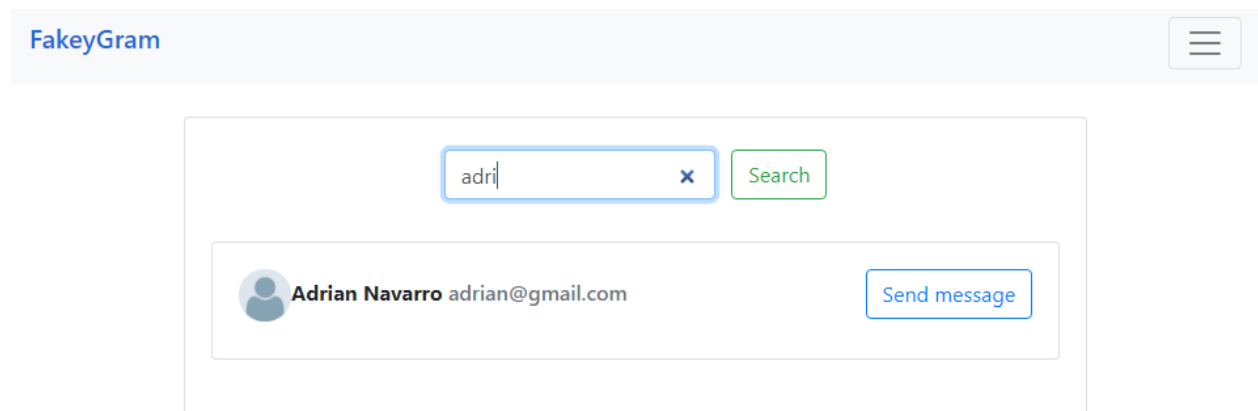If there are no messages the text will show No messages yet!

In order to start sending messages the user has to search for users.

Messages with a blue border haven´t been read, they will still show in orvel of arrival, when the chat is opened, all messages not yet read from one user will be marked as read.
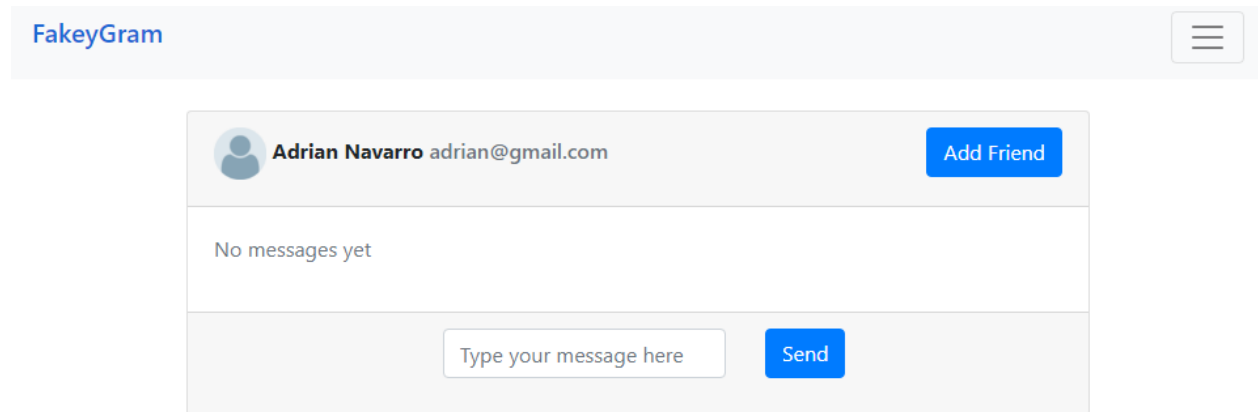
An example of the inbox:
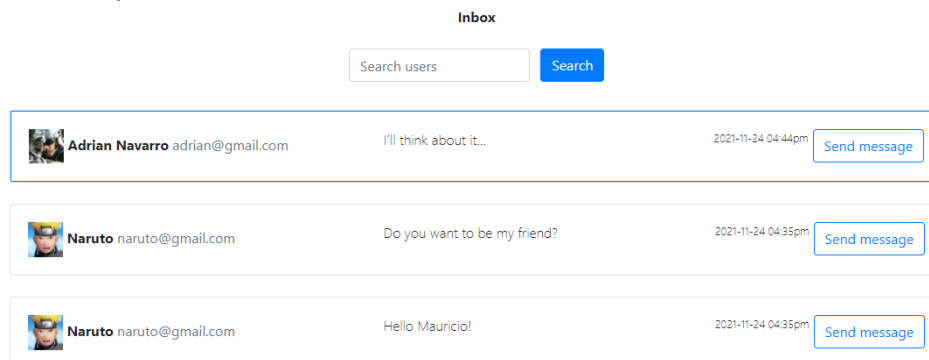
Searching users:

When the user types anything in the search bar, the application will get all users that have a name or email that fits what´s written, they can search for their full name, or just a fragment of the name. From here, the user can send a message.

Messaging:

The message screen looks like this, from here the user can type any message and send it, they can also add the user as a friend if they are not already friends or have a pending request.
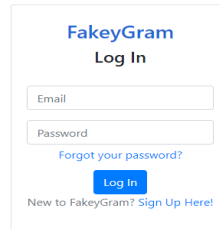
The message will only show the hour it was sent if it was sent the same day, the day if it was sent the same month, the month if it was sent the same year and all info if it was sent a different year.

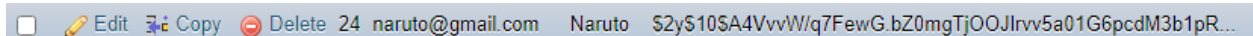Some examples of the chat:
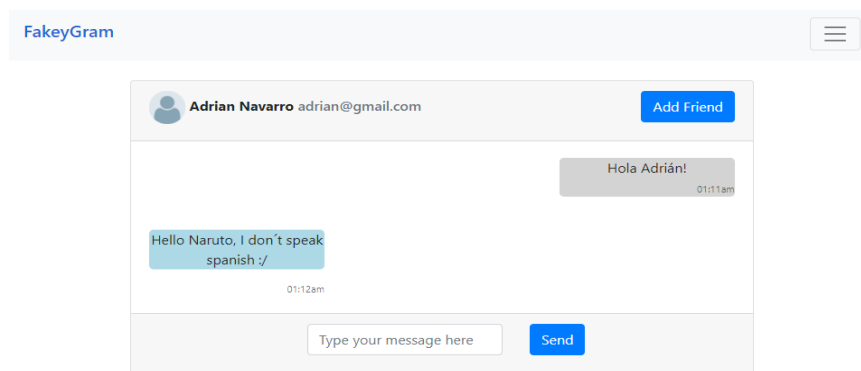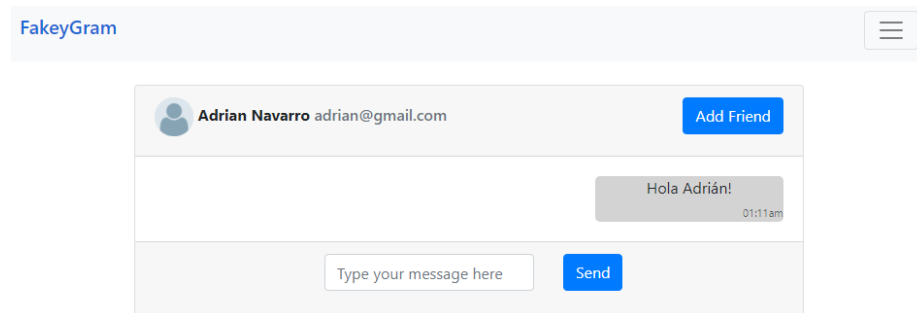
Log Out:

When pressing the log out button, the session is ended and the user is redirected to the login screen.

Encrypted password(A4):

In order to guarantee the safety of the user's passwords, they are encrypted when saved into the database. For example: Naruto has to log in as naruto@gmail.com and his password is alumno, however in the database, we will see this:

This is done in the login and register pages with the password.hash and verify password functions.

User avatar (A5):

When the user registers, they can also upload a profile picture, if the user does not upload any picture during the registration process, they will be given the default

picture, which is this one.

If the user wishes to update their picture, they need to go to the profile tab in the top right corner of the screen to access their profile.

Welcome back Naruto!

- **E-mail:** *naruto@gmail.com*
- **Name:** Naruto
- **Status:** DattebayO!
- **Age:** 17

Update your profile:

Type a new name

How are you feeling?

Type your age

Seleccionar archivo   Ningún archivo seleccionado

Update

On this screen they can update their picture with the form.

User Profile(A6):

All users (except admin) have their own personal profile, which shows their email, name, status, age and profile picture. All of this data can be changed, except for the email by filling the fields they wish to change and pressing update

FakeyGram

Welcome back Naruto Uzumaki!

- **E-mail:** naruto@gmail.com
- **Name:** Naruto Uzumaki
- **Status:** Bellieve It!
- **Age:** 20

Update your profile:

Type a new name

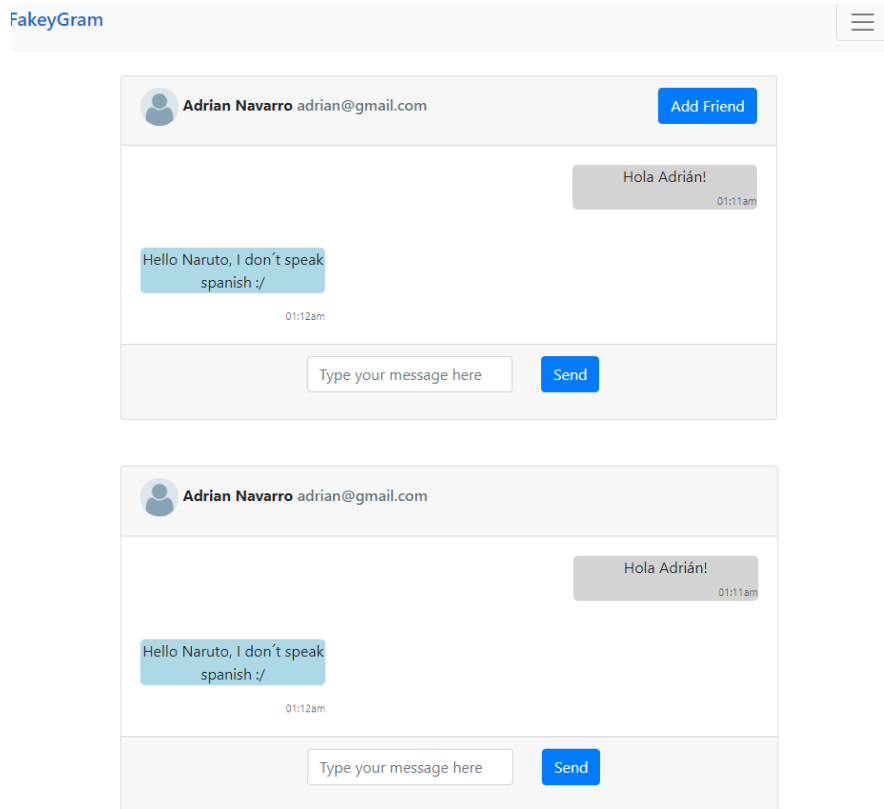How are you feeling?

Type your age

Seleccionar archivo   Ningún archivo seleccionado
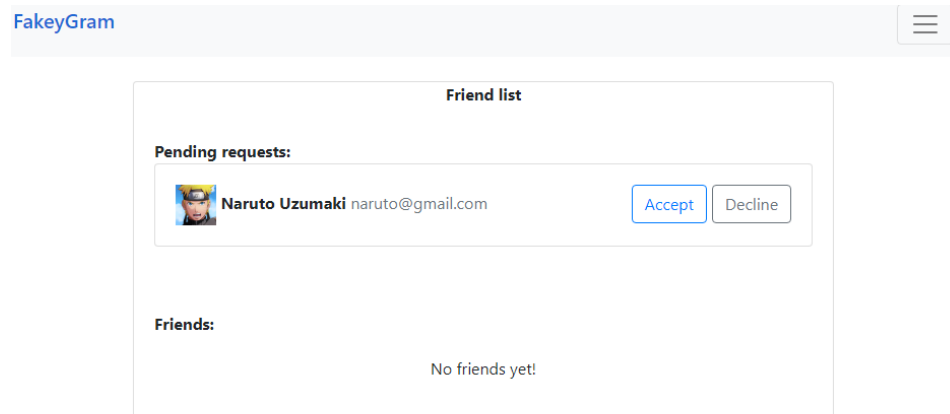
Update

Your profile was succesfully updated!

Friendship (A7):

Users can also send friend requests to each other, they can do this from the message screen when talking to an user, after sending the friend request they the option will disappear.

Now from Adrian´s friend tab we can see the pending request from Naruto.

       From this screen Adrian can decide whether to accept or decline Naruto´s friend request. If he accepts it, Naruto will now appear in his friend list, if he declines it, they can resend the friend request. When you are friends with someone, you become able to see their profile and you can also remove the user as a friend.

After deleting Adrián as a friend, Naruto can now try adding him again.

Administration zone (A9):
        The administrator can access the admin zone by logging in as: admin@root.com
with the password set as admin.
        When logging in as the admin, you won´t see the standard layout of the app,
instead the admin will see this.

The admin has access to data of all users (except passwords) and to all messages from the database, when accessing the data, he also has the option to delete any of the data.

SHOWING ALL USERS
WARNING This data will be deleted forever and is not recoverable

adrian@gmail.com || Adrian Navarro || NOT SET ||NOT SET   DELETE USER

angel@gmail.com || angel || NOT SET ||NOT SET   DELETE USER

denji@gmail.com || Denji || ||aaaa   DELETE USER

naruto@gmail.com || Naruto Uzumaki || 20 ||Bellieve It!   DELETE USER

test@gmail.com || Testo || NOT SET ||NOT SET   DELETE USER

Return

SHOWING ALL MESSAGES
WARNING This data will be deleted forever and is not recoverable

Sender: **adrian@gmail.com** || Receiver:**naruto@gmail.com** || Hello Naruto, I don´t speak spanish :/ || 2021-11-23 01:12am   DELETE MESSAGE

Sender: **naruto@gmail.com** || Receiver:**adrian@gmail.com** || Hola Adrián! || 2021-11-23 01:11am   DELETE MESSAGE

Return

When deleting anything, the data is lost forever, so it is not encouraged.

Outbox (A13):

The user can also see all of their sent messages in order of most recent by going to the outbox tab in the navbar.

He can see, just like in the inbox, the profile picture, name, email, timestamp and fragment of the message of the receiver. He also has the option to access the chat from here.

Messages with a blue border haven´t been read, they will still show in order of arrival, when the chat is opened, all messages not yet read from the user will be marked as read.

Example of outbox: