Chatting live is boring. Communicating via Facebook is old school. Chatting via Snapchat is not as exciting as it used to be. Are you ready for something new?!

Gif messenger. Now you can send GIFs to your friends on our GIF messenger.

Registration is simple. You can log in with a Google account. So your password is safe with Google servers! When you log in, you have a list of active users and you can chat with them using only GIFs. But if you are saying to yourself: “I can't express all my thoughts with GIFs!” My answer is, "Yes, you can!". You can use GIF creator to choose custom GIFs and write a caption you desire. Created GIFs are sent only to your friend and they aren't saved.

And you can visit it at gif messenger dot online.

For this project we have used a few different programming languages:

Python for backend – Web sockets and GIF API,

JavaScript and HTML for frontend – Webpage design and functionality,

PHP for website backend – This was used for communicating with database and Google login API.

So how does our APP work?

1. After login JavaScript connects to Python WebSocket that makes a note about who has logged in and where he is (on the network).
2. When the user types and presses enter in search box JavaScript sends JSON request via WebSocket to the server. The server returns a JSON list of GIFs that are associated with the search query.
3. When the user selects a GIF that they would like to send, JavaScript sends a JSON request to the server that includes who the sender is, who the recipient is and the message, GIF itself. When the server receives this request it is forwarded to the recipient and sends a JSON response. Then JavaScript formats the response and shows it to the user.

Let us show you how it works.

Let's start with Google Account login. After successful login, we are prompted to set a username, where you can choose any username you want. But if it is already occupied, you will need to choose another one. After successful username configuration, you can see all users that are registered on the left side of the App. But as you can see, some of them are green. That means that they are online and ready to chat with you.

We will have a little chat with our friend Jalayl123. In the textbox, we can type anything we want. We will just type hello. Now we can choose this GIF. When we receive an answer, we will hear a ding. Look what Jalay123 sent us back.