

# **Messenger App with External APIs Integration**

## **User Manual**

**IT 15/L**

### **Cipher Chat System Requirements:**

- Operating System: Windows 10 or higher
- Software Requirements:
  - Xampp (version 3 or higher is preferred)
  - Microsoft Visual Studio Code

### **Installation Steps:**

#### **Download and Extract Files:**

- Download all necessary files from the provided Google Drive or GitHub repository.
- Extract the 'Messenger Website' file to a location of your choice.
- Move the 'RMI' file to your Xampp > htdocs directory.

#### **Setup Xampp:**

- Launch Xampp and commence the Apache and MySQL services.
- Access the MySQL admin panel by clicking the admin button adjacent to the MySQL service.
- Establish a new database named "rmi".
- Navigate to the SQL section of the "rmi" database and import the SQL file downloaded from the provided source.

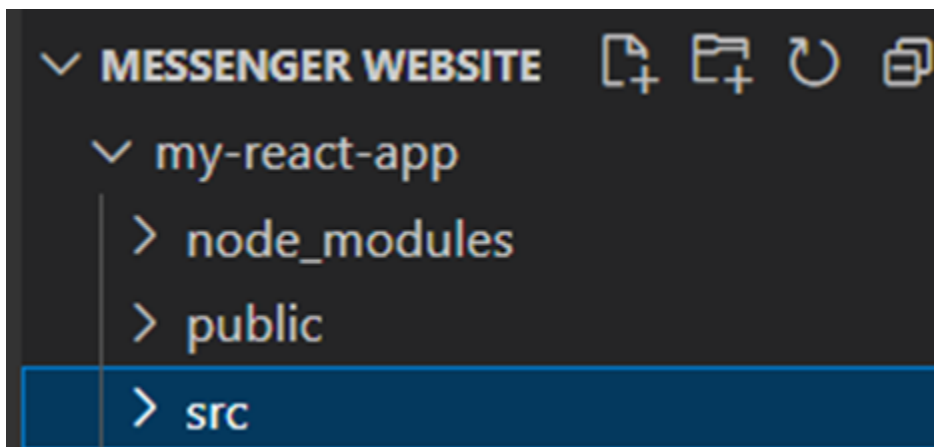
### Configuration in Visual Studio Code:

- Open Visual Studio Code.
- Locate your 'RMI' file, then access the 'PHP' directory.
- Update the specified files and directory paths as indicated:
  - register.php (line 60)
  - upload\_file.php (line 40)
  - updateUserProfile.php (line 48)
  - send\_group\_message.php (line 42)
  - download\_groupfile.php (line 34)
  - download\_file.php (line 6)
- These directories are situated within the 'RMI' file. After navigating to the PHP file, return to the 'RMI' to locate 'group\_uploads', 'profile\_uploads', and 'uploads'. Adhere to the directory format accordingly.

```
60      $target_dir = "C:/xampp/htdocs/RMI/profile_uploads/";
```

### Setting Up React App:

- Navigate to the directory containing your React app.



- Execute the command `npm install` to install dependencies.

```
PS C:\Users\Churchill\OneDrive\Desktop\Projects\Messenger Website> npm install
```

- Open the terminal and navigate to your React app directory using the command `cd my-react-app`.

```
PS C:\Users\Churchill\OneDrive\Desktop\Projects\Messenger Website> cd my-react-app
```

- Start the development server by running the command `npm run dev`. Open the terminal in Visual Studio Code

```
PS C:\Users\Churchill\OneDrive\Desktop\Projects\Messenger Website\my-react-app> npm run dev

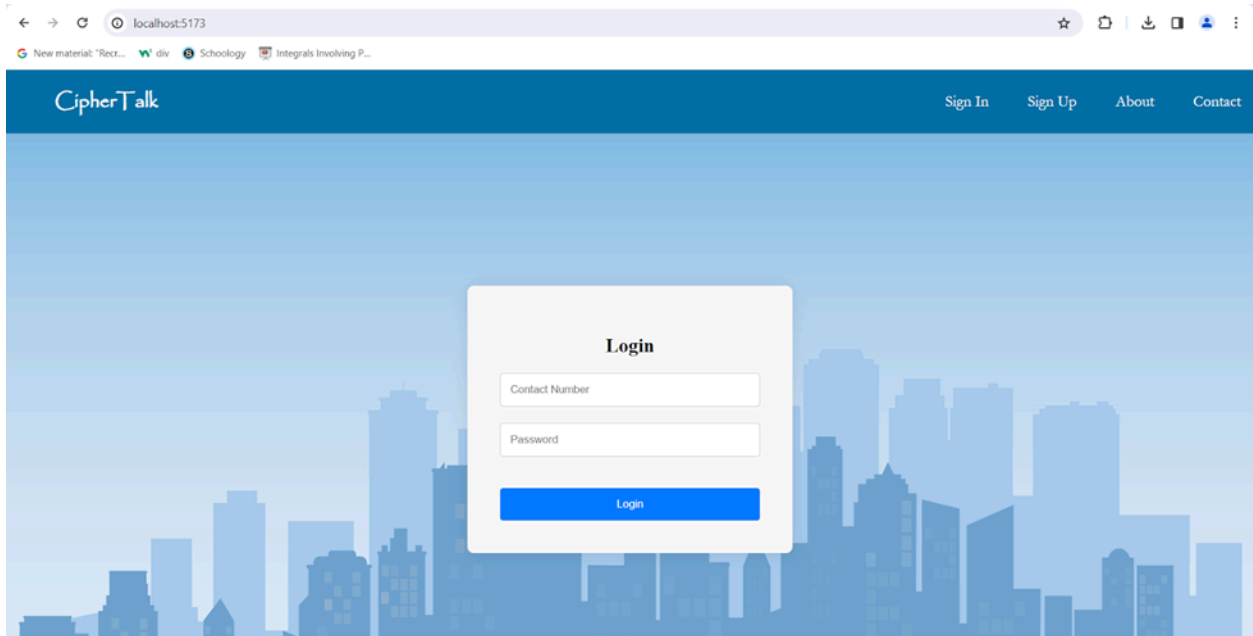
> my-react-app@0.0.0 dev
> vite

VITE v5.1.2 ready in 439 ms

→ Local:   http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help
```

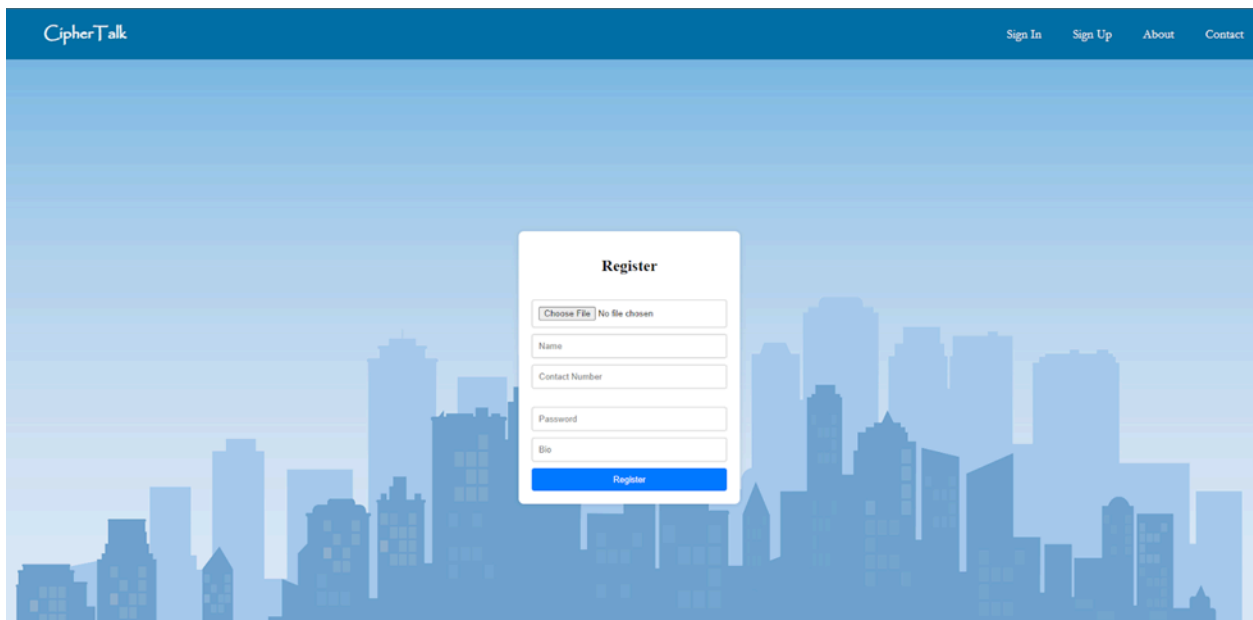
## Accessing the Application:

- Launch a web browser and enter the localhost URL provided by the terminal after initiating the development server.

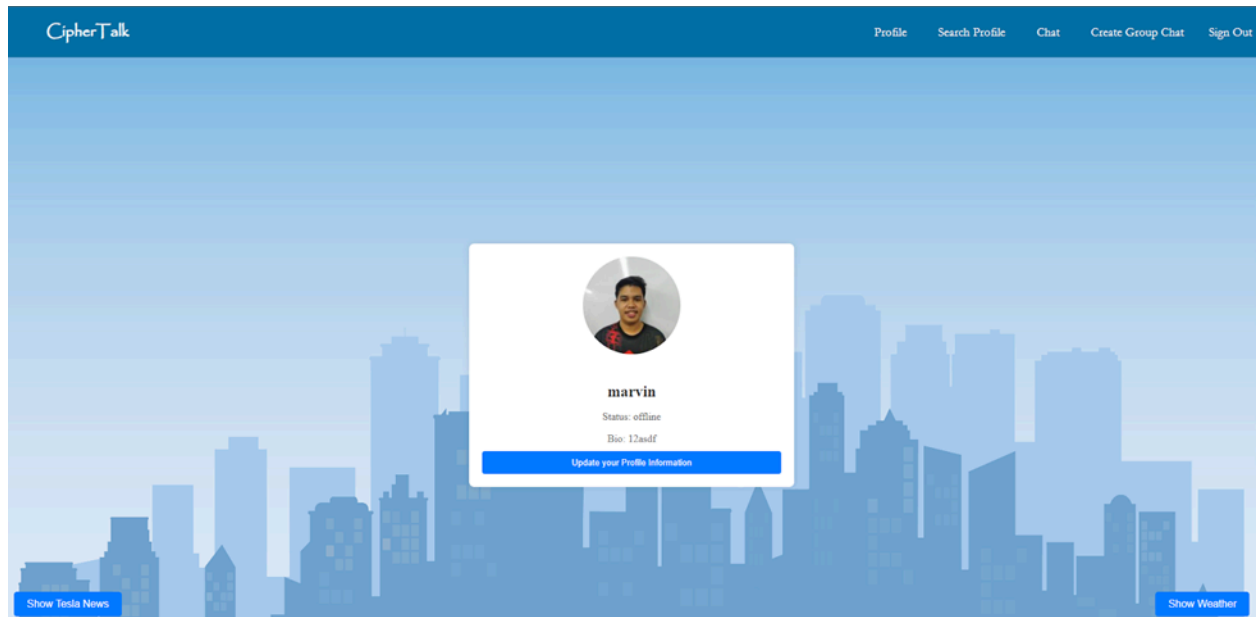


## Using the CIPHERTalk Chat-App:

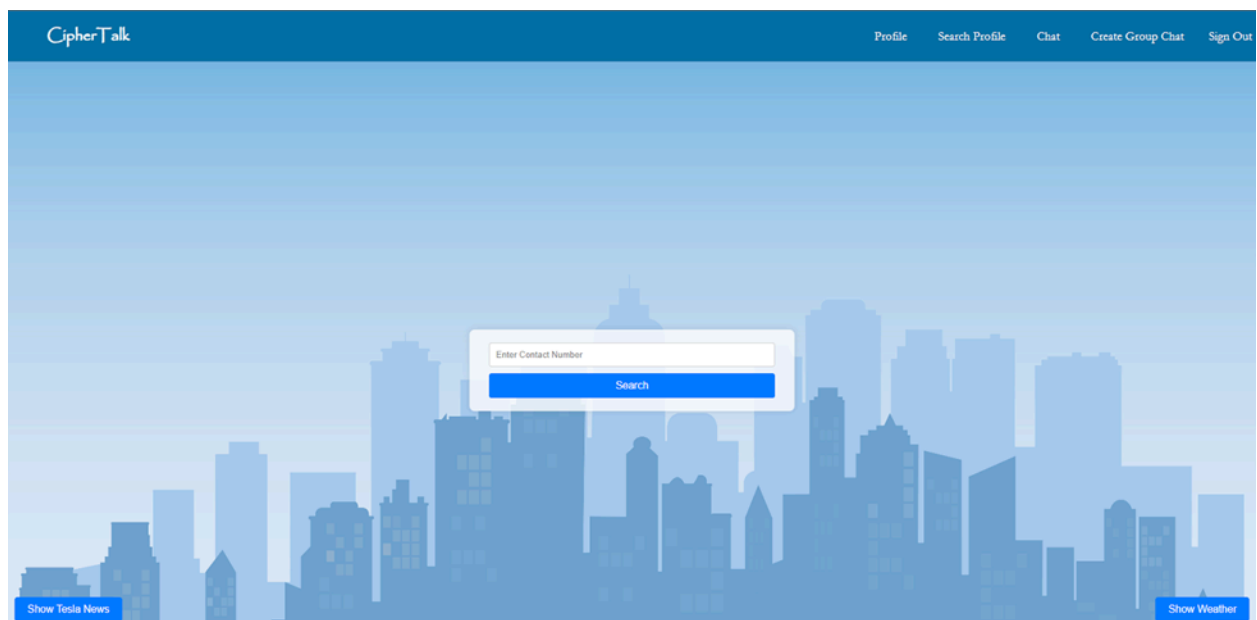
- Upon accessing the website, you'll be directed to the login page. If you haven't created an account yet, proceed to Sign Up.



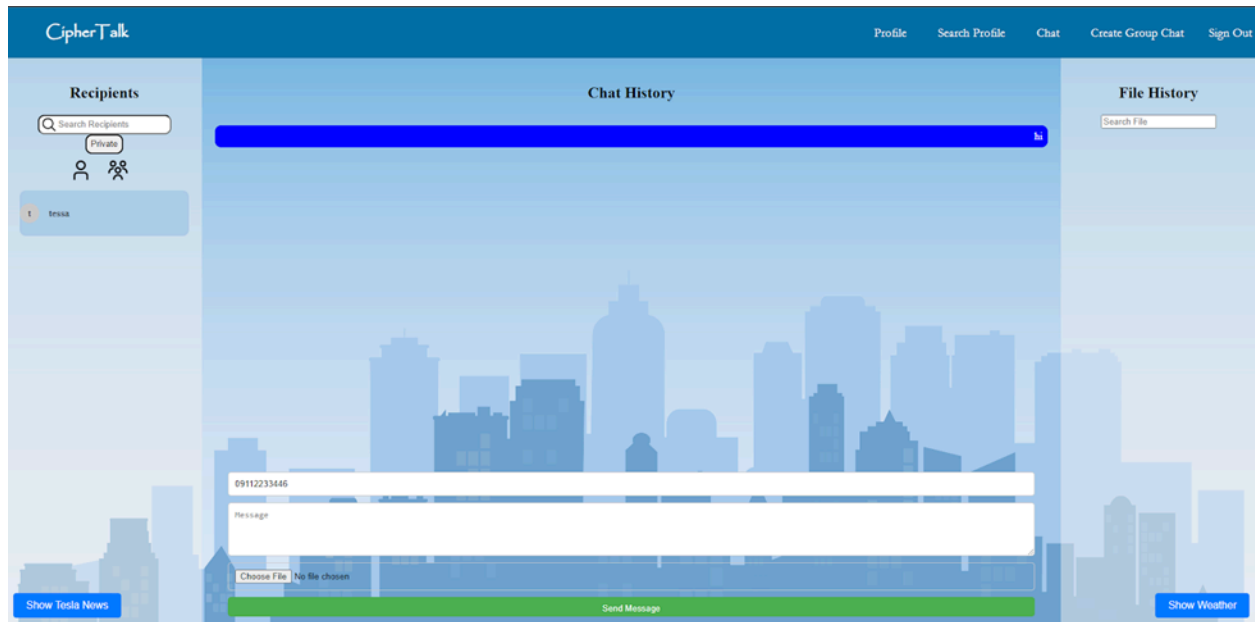
- After creating an account, return to Sign In and input your contact number and password.
- To update your profile information, navigate to the profile section and select "Update Your Profile Information".



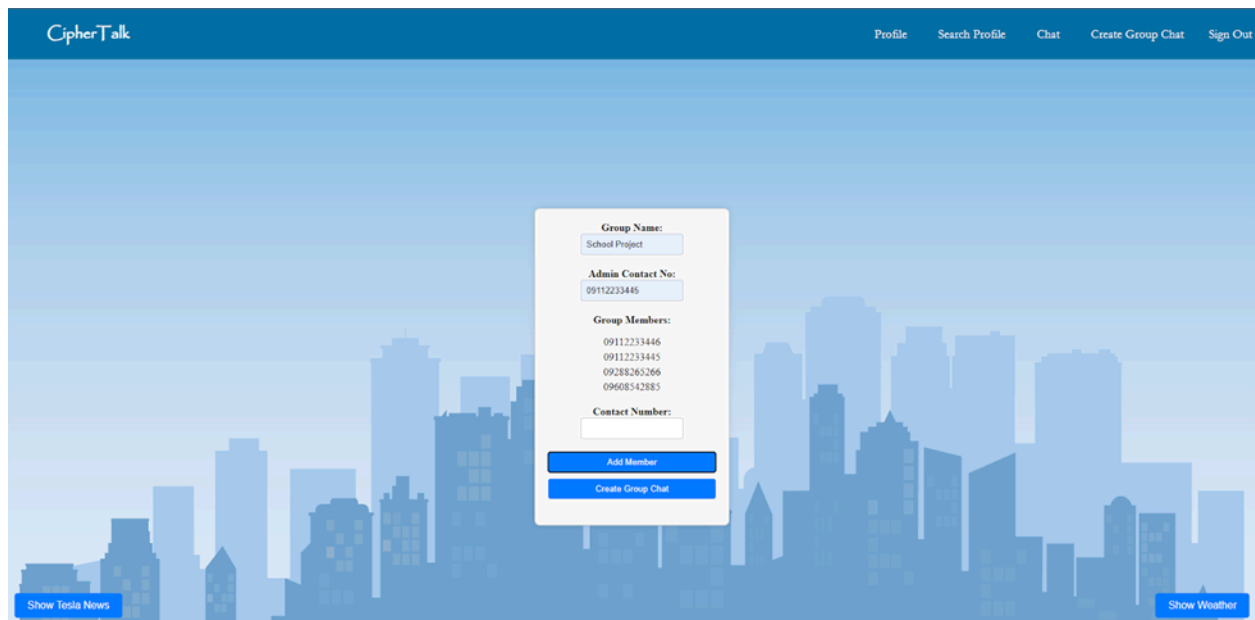
- To search for colleagues or specific individuals, go to the search profile section.



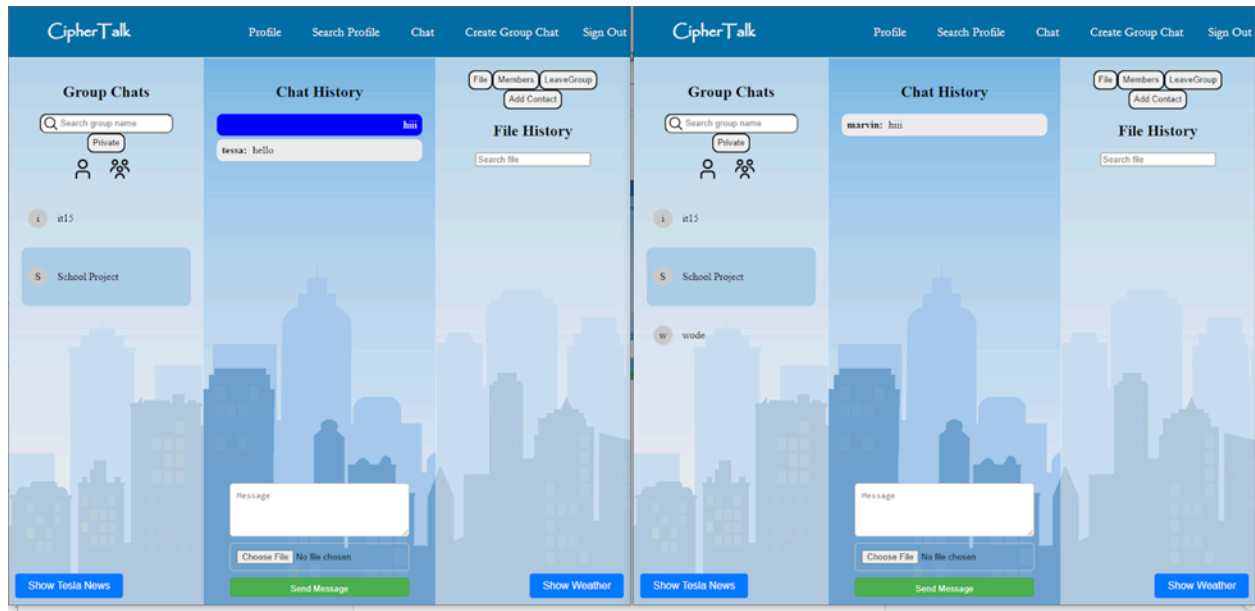
- To message someone, input their number, write a message, and optionally attach any file to the conversation.



- To create a group chat, navigate to "Create a Group Chat" and input the necessary details.

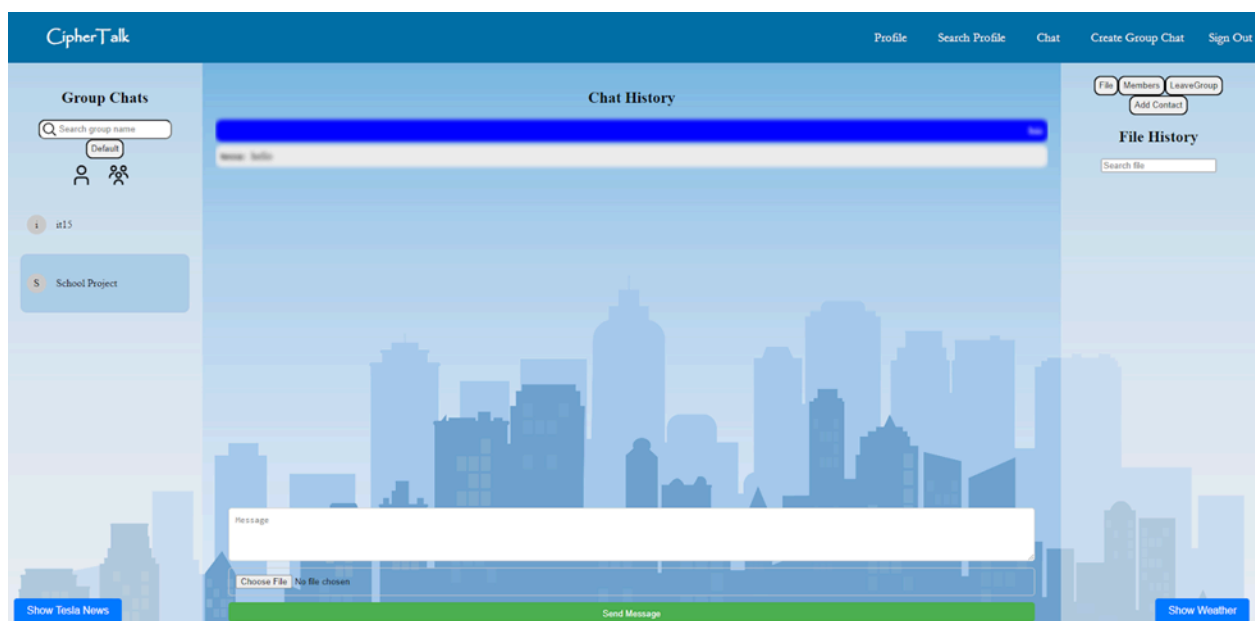


- After creating the group chat, proceed to 'Chat' and select the group chat and its name to start messaging members in real-time.

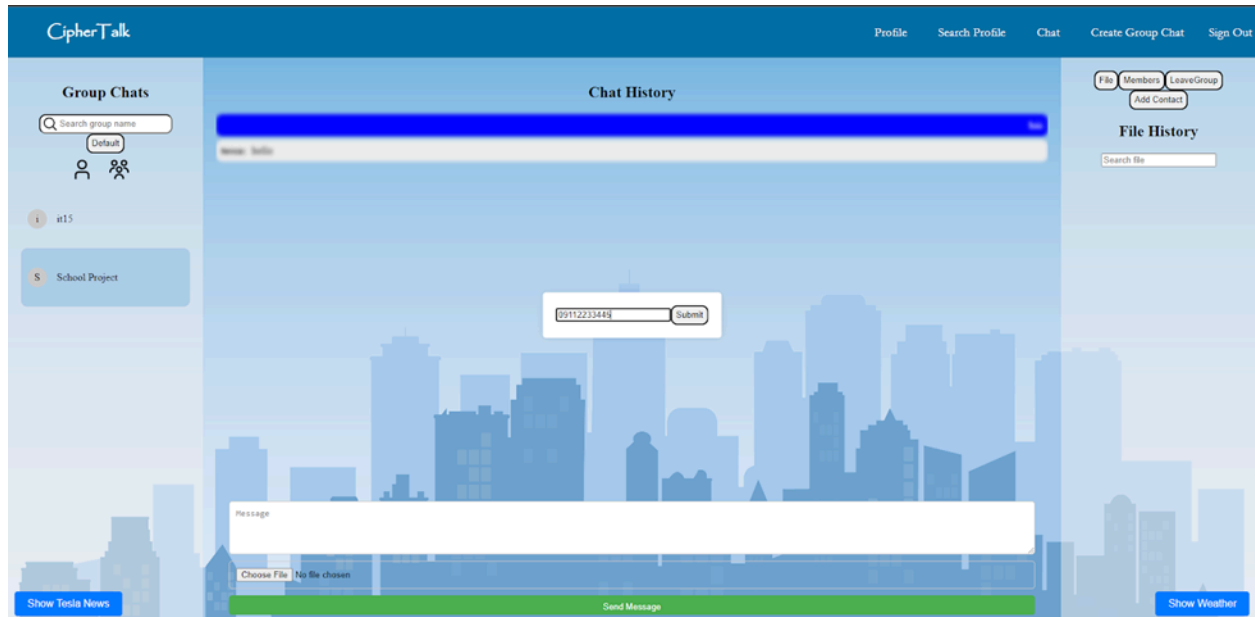


### Additional Features:

- **Privacy Settings:** You can set conversations to private to blur messages when you're away from the keyboard.



- To revert, select public/default and input your contact number.

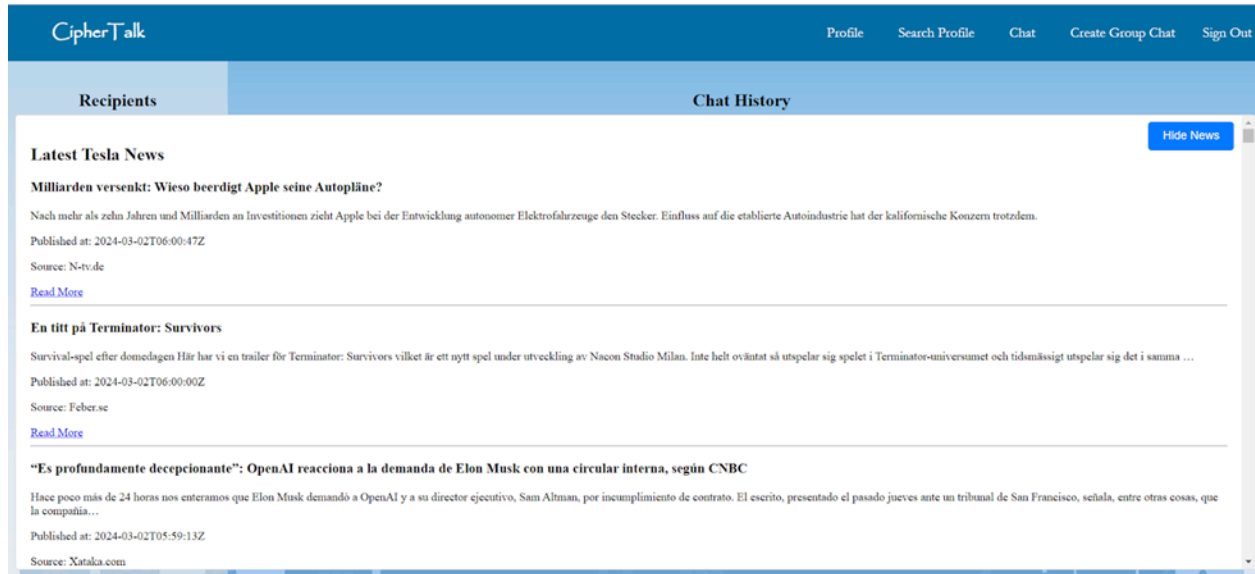


- **Push Notifications:** Upon successful login, the chat app displays current weather details. If it's too hot, the background color turns red; otherwise, it turns light blue. Weather data is fetched from open weather and geolocation APIs.





- **News Updates:** The chat app includes news updates about Tesla fetched from newsapi.org to keep users informed about Tesla's activities.



### Group Members:

1. Rome Francis Cabangal
2. Ian Clark Cañete
3. Marvin Jaganas