

MoodApp Documentation

Neptune MIAGE organization members

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App purpose

Here's a quick description about the app purpose, the features available...

MoodApp is an app where you can enter your mood daily, follow precisely the evolution of your mood, get recommendations on your mood based on the day's weather, and more to come...

How to install and run project ?

Prerequisites

You need Git and Python (or Python3) downloaded on your computer.

Install project

Use Git to clone the project on your computer.

Run project

1. Open terminal
2. Whether you have a Mac/Linux or a Windows, you should only need to run a script to get started.

See README.md on branch main for commands needed to run the project.

[Access repository] <https://github.com/Neptune-MIAGE/BackEnd>

Features description


User's mood addition and visualization

An user can add his mood, going from "awful" to "awesome" (whenever and as much as he wants for now).

A chart is created with the user's moods, showing the evolution of the mood.

There are also smileys counters and a pie chart that show the number and repartition of the

previous entered moods.

 MoodApp

Saisir mood Mon compte Voir mon évolution

Comment vous sentez-vous aujourd'hui ?

Suggestion : Basé sur la météo actuelle, nous recommandons l'humeur "Neutral" !

Choisissez une humeur :

Awesome

Enregistrer

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Mood suggestion depending on the wheather

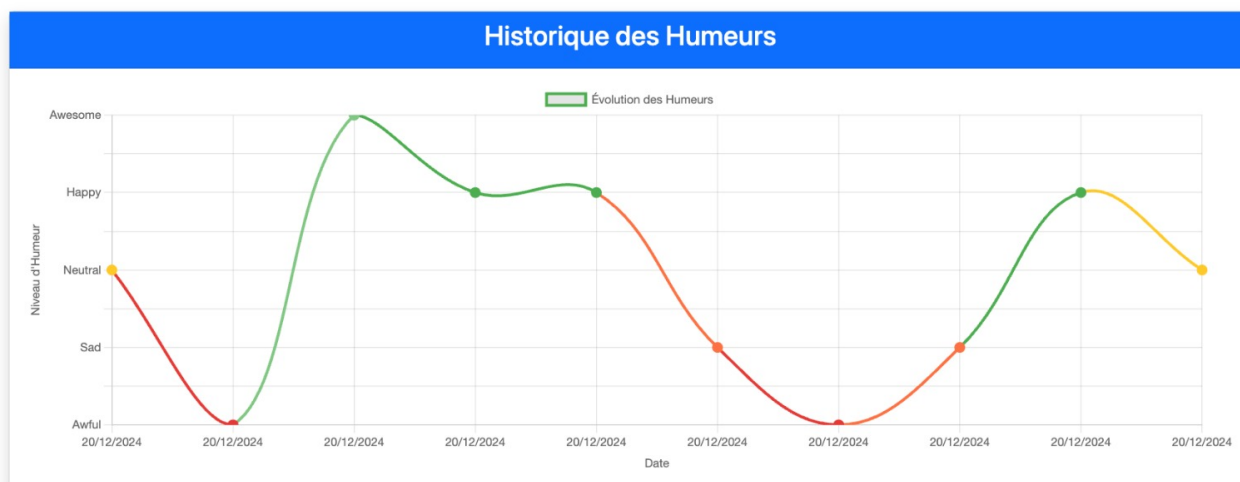
The OpenMeteo API recovers the weather on the user, depending on his location (for now, the default location is Paris).

The user's mood is then suggested, according to the current weather (for example, a rainy weather will suggest a sad mood).

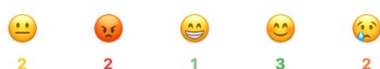
The user can follow or not the mood suggestion when he adds his mood.

The current weather is saved when adding a mood. This will be helpful for improving or creating future features.

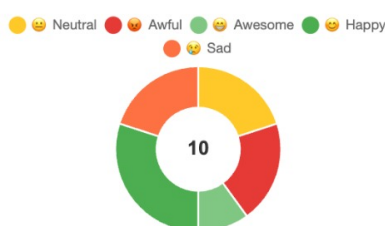
Vos Humeurs au Fil du Temps



Compteur des Humeurs



Répartition des Humeurs



Users groups

You can create users groups.

Every group has it's own name, description, stats and users list.

The stats calculated for now are the average and median mood of the group.

The group creator is leader by default. The leader can name another member of the group as new leader to replace him, so the ex-leader is now only a member.

You can join or leave a group.

If you're the leader, you have to name someone else leader before leaving.

If there's only one member in the group, leaving the group will delete it.

Screenshot n°1 :

Groupes

Liste de vos groupes

M1 MIAGE APP

[Voir les statistiques](#)

Equipe MoodApp

[Voir les statistiques](#)
[Créer un groupe](#)

Tous les groupes

M1 MIAGE APP

[Voir les statistiques](#)

Equipe MoodApp

[Voir les statistiques](#)

Screenshot n°2 :

M1 MIAGE APP

Description

Groupe de classe de la M1 MIAGE APP de l'Université Paris Nanterre

Statistiques

Moyenne d'Humeur : 2,25

Médiane d'Humeur : 1,5

Membres : 4

user

user2 

user3

admin

[Quitter le groupe](#)

Users and groups rankings

Users and groups are ranked by their average mood.

There's a podium for users and for groups, displaying the three bests users and the three bests groups.

There is an individual page for the global users ranking, and same for the global groups rankings.

You can access individual pages for each group and user. For the groups, this will take you to the

group page (wether you're a member or not). For the users, this will display a "visit card" of the user with some informations about him.

Screenshot n°1 :

Classements globaux

Podium Groupes

#	Groupe	Moyenne
1	M1 MIAGE APP 🏆	2,25
2	Equipe MoodApp	2,27

Accéder au classement

Podium Utilisateurs

#	Utilisateur	Moyenne
1	admin 🏆	2,30
2	user	
3	user2	2,20

Accéder au classement

Screenshot n°2 :

 MoodApp

Saisir mood Mon évolution Groupes Classements Mon compte

Classement des Utilisateurs

#	Utilisateur	Moyenne	
1	admin 🏆	2,30	<div>Voir l'utilisateur</div>
2	user		<div>Voir l'utilisateur</div>
3	user2	2,20	<div>Voir l'utilisateur</div>
4	user3	2,20	<div>Voir l'utilisateur</div>

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Screenshot n°3 :



Détails de l'utilisateur (accessibles à tous)

Nom d'utilisateur	Email	Date de création	Dernière connexion	Statut actif
user2	user2@example.com	8 janvier 2025 18:24	15 janvier 2025 14:36	Oui

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Analyse and personnalized advices on mood trends

Objective: Provide intelligent feedback on the evolution of moods with suggestions/actions

What this adds:

Detection of trends (e.g., “You’ve often been Happy these last few days, keep it up!”) Analysis of triggers (e.g., “When it rains, you’re more often Sad”) Personalized advice (e.g., “You’ve had several Sad days in a row, try doing something you enjoy today”) Visualization with colors/tags (e.g., periods of stress, peaks of happiness, etc.)

Screenshot n°1 :

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Comment vous sentez-vous aujourd'hui ?

Aucune série active, enregistre ton humeur chaque jour pour commencer un streak !

**Awesome**

Tu es au top aujourd'hui !

Screenshot n°2 :

```
{
  "2025-02-20": {
    "Awesome": 2,
    "Awful": 1,
    "Neutral": 2
  },
  "2025-02-25": {
    "Awesome": 1
  },
  "2025-02-26": {
    "Awesome": 1
  }
}
```

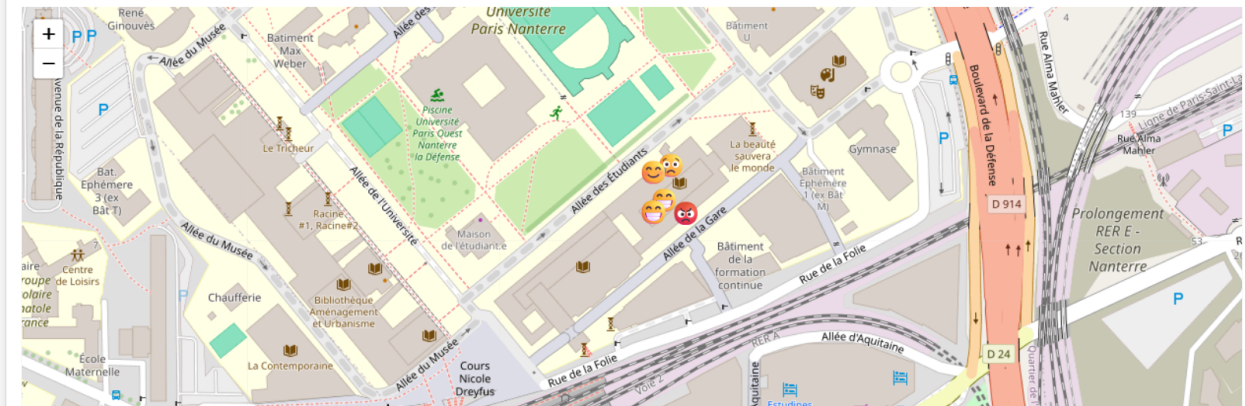
Map displaying the submitted moods

This interactive map feature allows each user to visualize their moods as geolocated emojis on an OpenStreetMap API-based interface. Every time a user records a mood through the dedicated form, a corresponding emoji is automatically added at his GPS location (by default, Université Paris Nanterre), with slight variation to prevent overlapping markers. Emojis appear directly on the map as custom icons, replacing the standard blue markers. Each user has their own personal map: only their own mood markers are displayed, ensuring a private and personalized experience. This visual representation adds a playful and engaging layer to emotional tracking while offering a geographic view of moods over time. The map updates dynamically and instantly reflects newly submitted moods.

Screenshot n°1 :



Carte OpenStreetMap



Screenshot n°2 :



Carte OpenStreetMap

