Vocal Weather

Objectif

Application permettant d’obtenir les prévisions météorologiques via la reconnaissance vocale

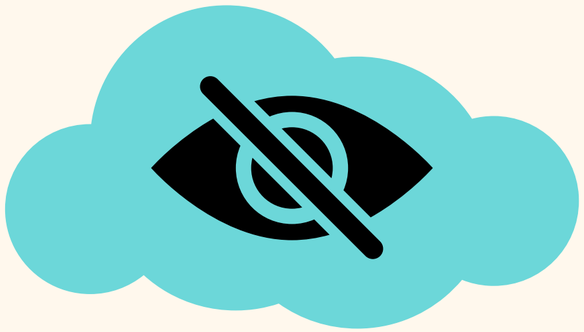
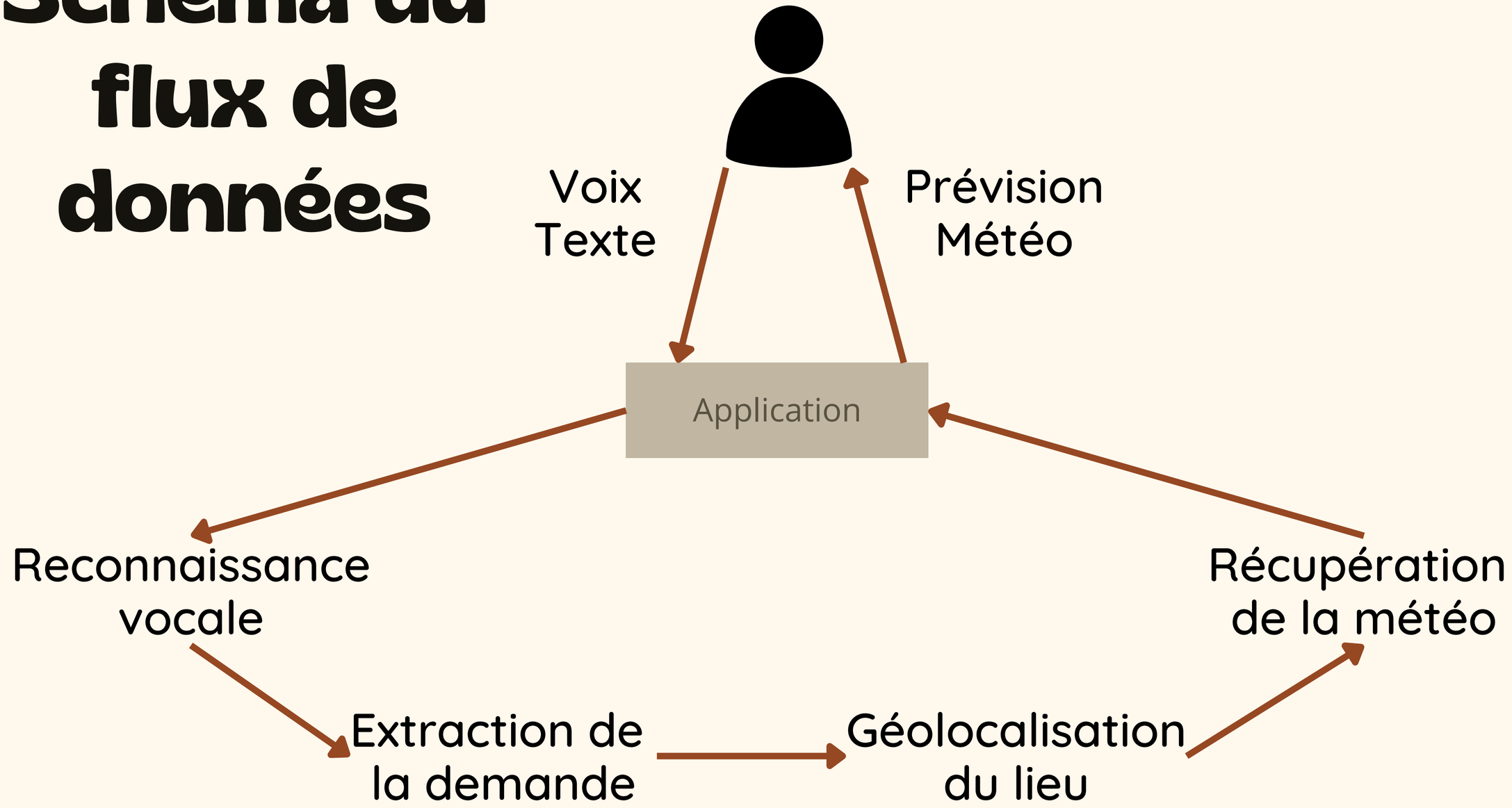


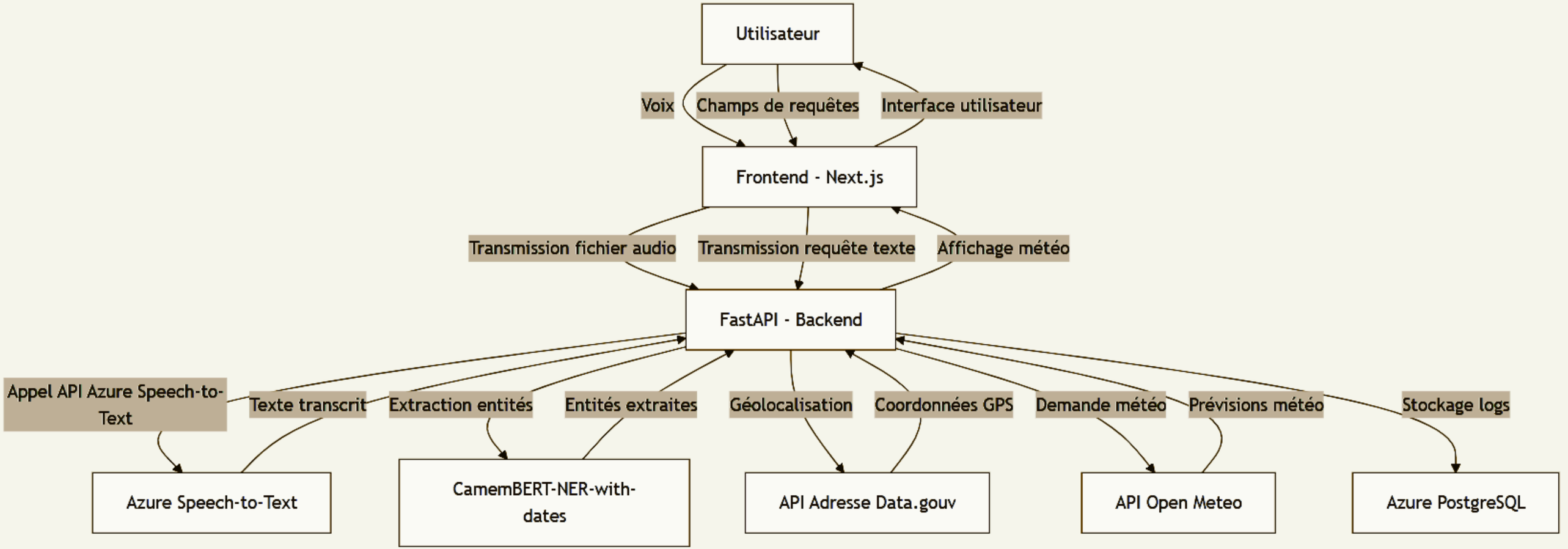
Schéma du flux de données



Composants

Speech-to-text			
NER			
Geolocalisation			
Météo			

Schéma de fonctionnement



API avec FastAPI

default

POST	/weather	Process Weather
POST	/weather-from-text	Process Weather From Text
POST	/weather-from-entities	Weather From Entities

file * required

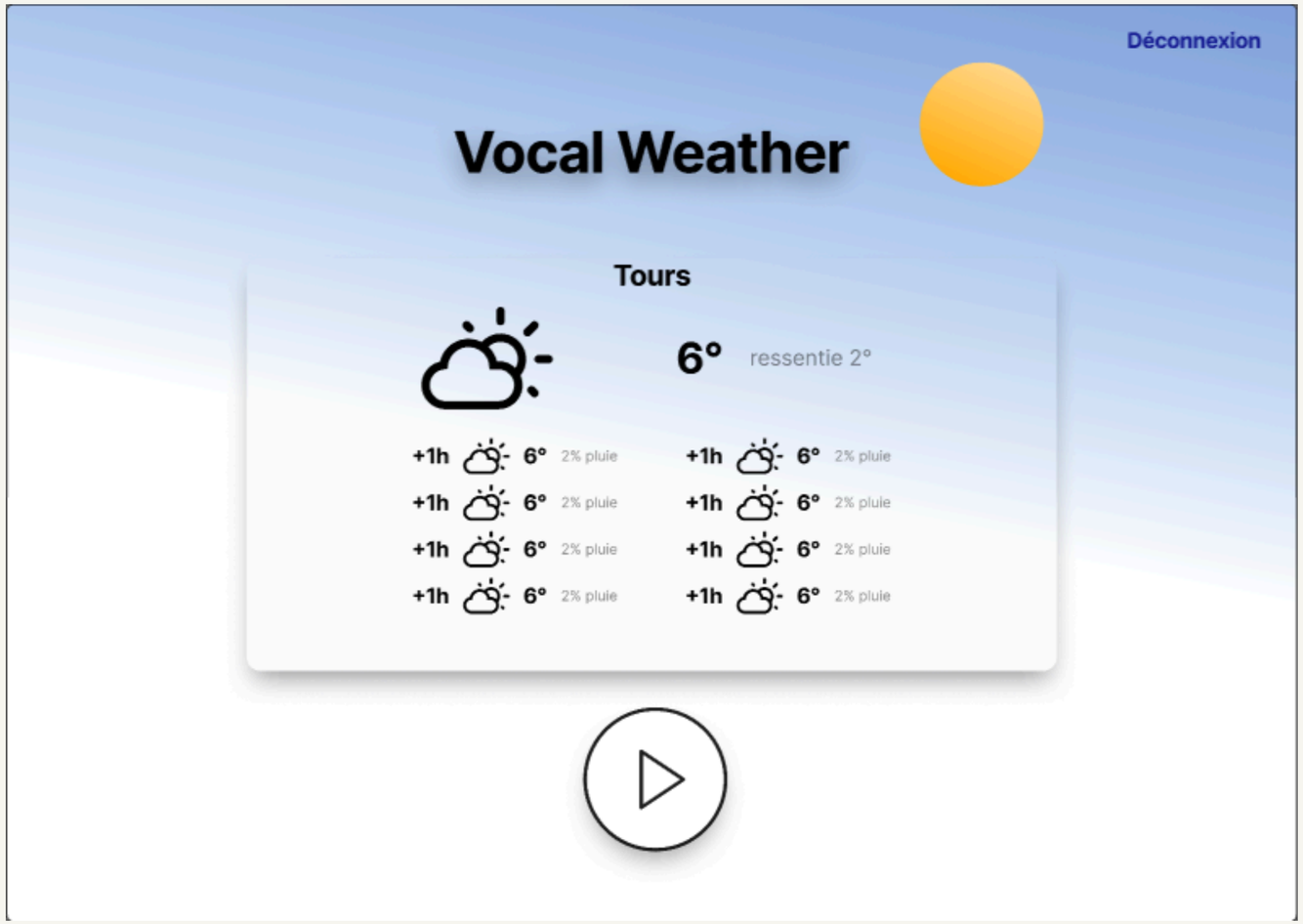
string($binary)

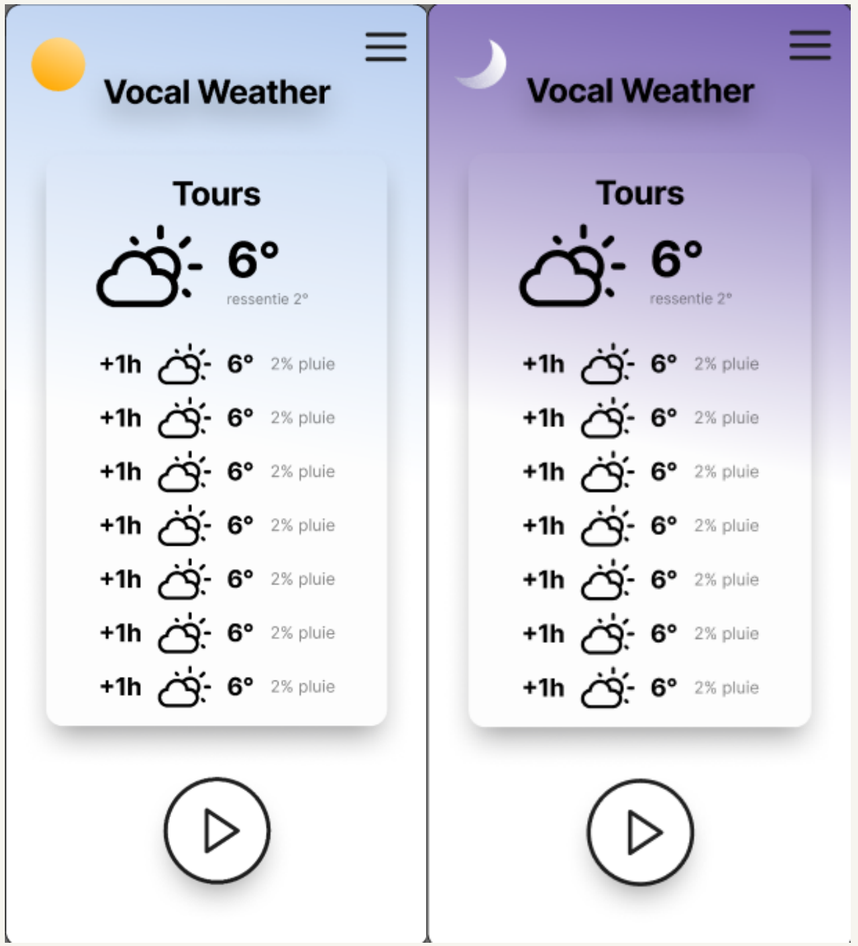
Parcourir... enregistrement.wav

Response body

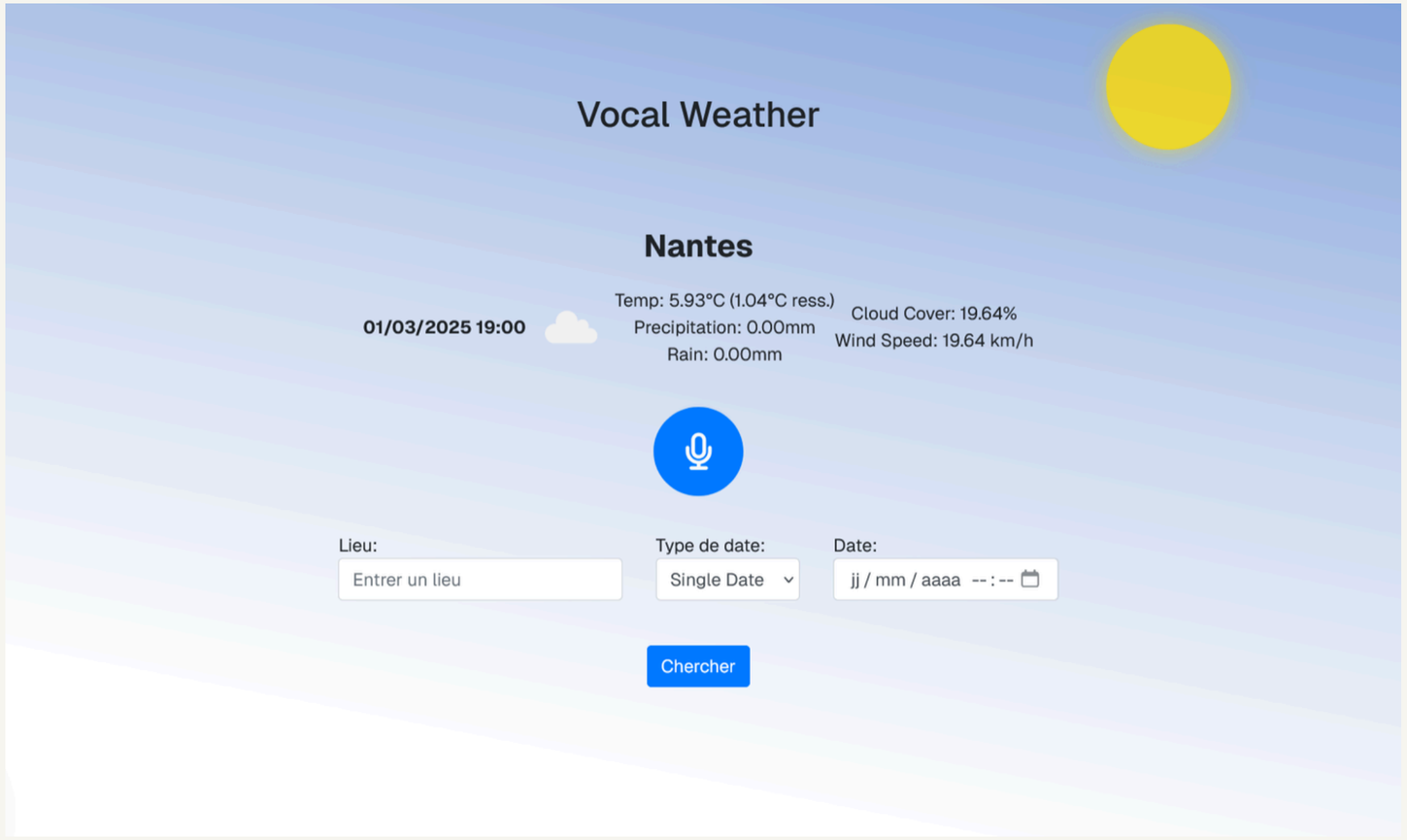

```
{
  "current_weather": {
    "temperature_2m": 8.1,
    "relative_humidity_2m": 64,
    "apparent_temperature": 4.34,
    "precipitation": 0,
    "rain": 0,
    "weather_code": 1,
    "cloud_cover": 23,
    "wind_speed_10m": 13.1041984558
  },
  "weather_forecast": [
    {
      "date": 1740751200000,
      "temperature": 9.55,
      "apparent_temperature": 5.52,
      "weather": 2,
      "wind_speed": 14.4,
      "cloud_cover": 14.4,
      "precipitation": 0,
      "rain": 0,
      "precipitation_probability": 0
    }
  ],
  "location": "{'latitude': 47.395476, 'longitude': 0.694273, 'city': 'Tours', 'status': 'success'}"
}
```

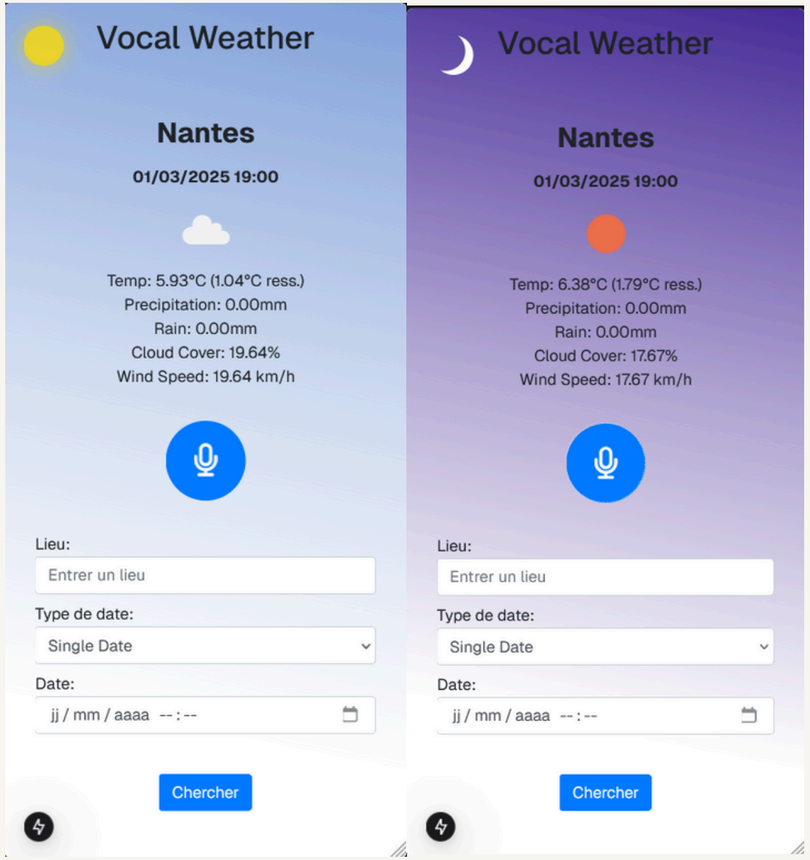
Application





Démonstration





Améliorations

1. Tests unitaires
2. Authentification
3. Optimisations NER
4. Text-to-Speech
5. Amélioration de l’UI

Merci !

Avez-vous des questions ?