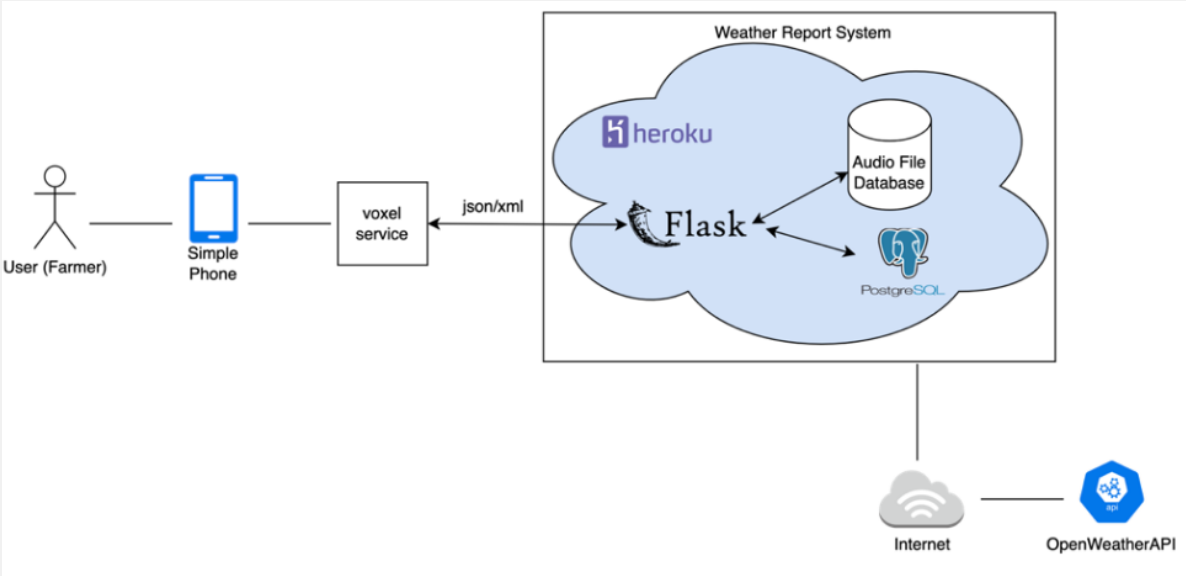# WEATHER REPORT SYSTEM FOR MALI

GROUP 17
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Introduction

This weather report system aims to provide farmers in Mali with weather forecast and severe weather alerts since it is difficult for the local people to know the weather precisely due to lack of technology and network. This service provides an intuitive voice-based interface that converts quantitative weather data into understandable information and supports in English and French.

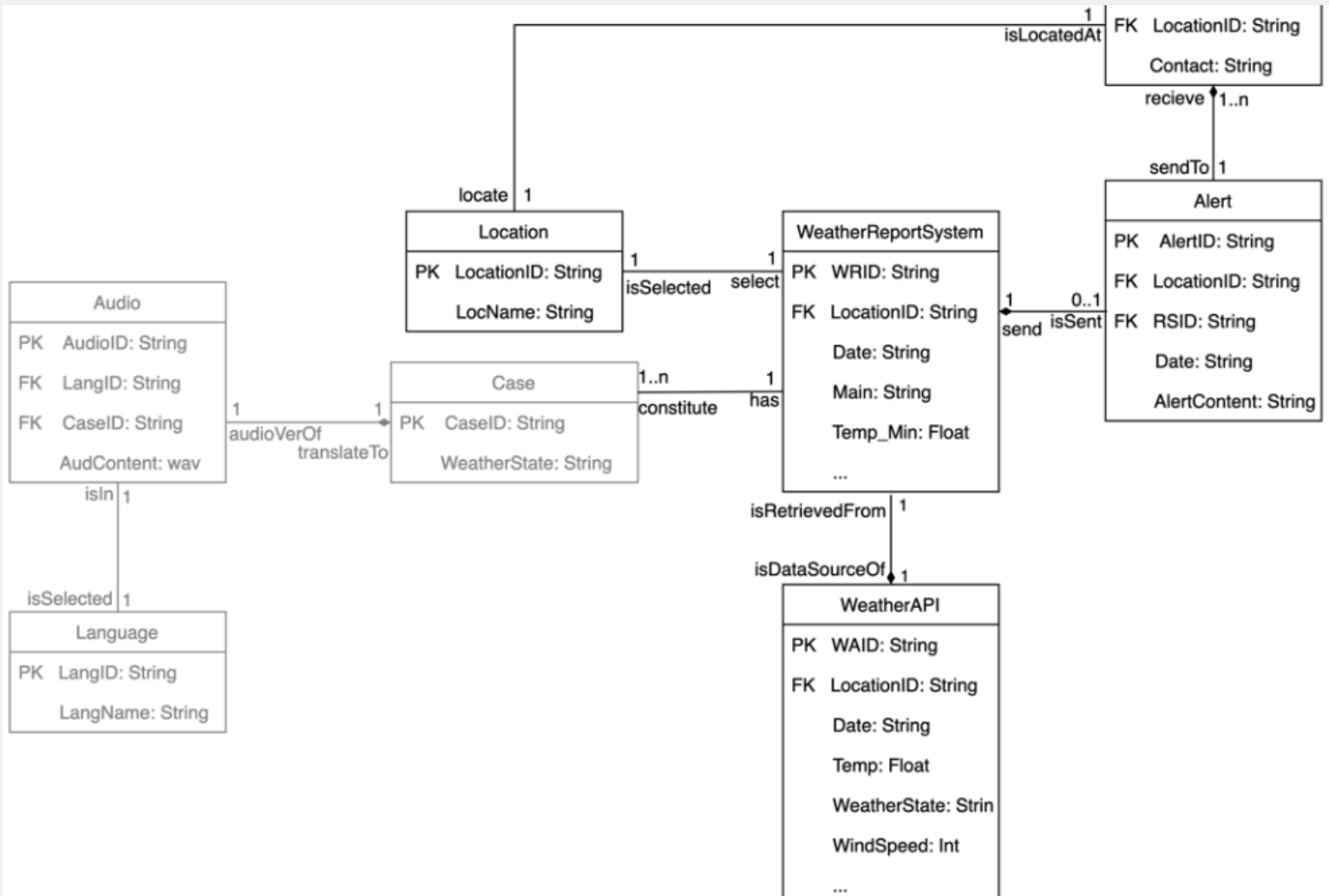## Tables and variables recorded in the Postgres database

Technology infra-structure diagram

Deployed and hosted on Heroku, the prototype, built mostly in Python 3.10, offers an insight into what the finished product could look like.

Users will take the VoiceXML browser as their entry point. The weather report system chooses Flask as the web application framework, PostgreSQL as the database.

Sample of data stored in 'day_weather' table

How to access the application

GitHUB:
https://github.com/WillemGerritzen/ict4d
Heroku welcome page:
https://hows-the-weathertmmr.herokuapp.com/
Query weather page:
https://hows-the-weather-tmmr.herokuapp.com/webForm
Alert info page:
https://hows-the-weather-tmmr.herokuapp.com/alert
DATABASE:
https://data.heroku.com/dataclips/sbrdphjnqwwjodkzqotscvfdrsua
CALL VOXEO service:
Phone Number: +31 20 8082848 Code: 9990521878

Web interface-query page

Web interface-result page

Sikasso

description	temperature_min	temperature_max	wind_speed	humidity
light rain	24	32	3.71	46