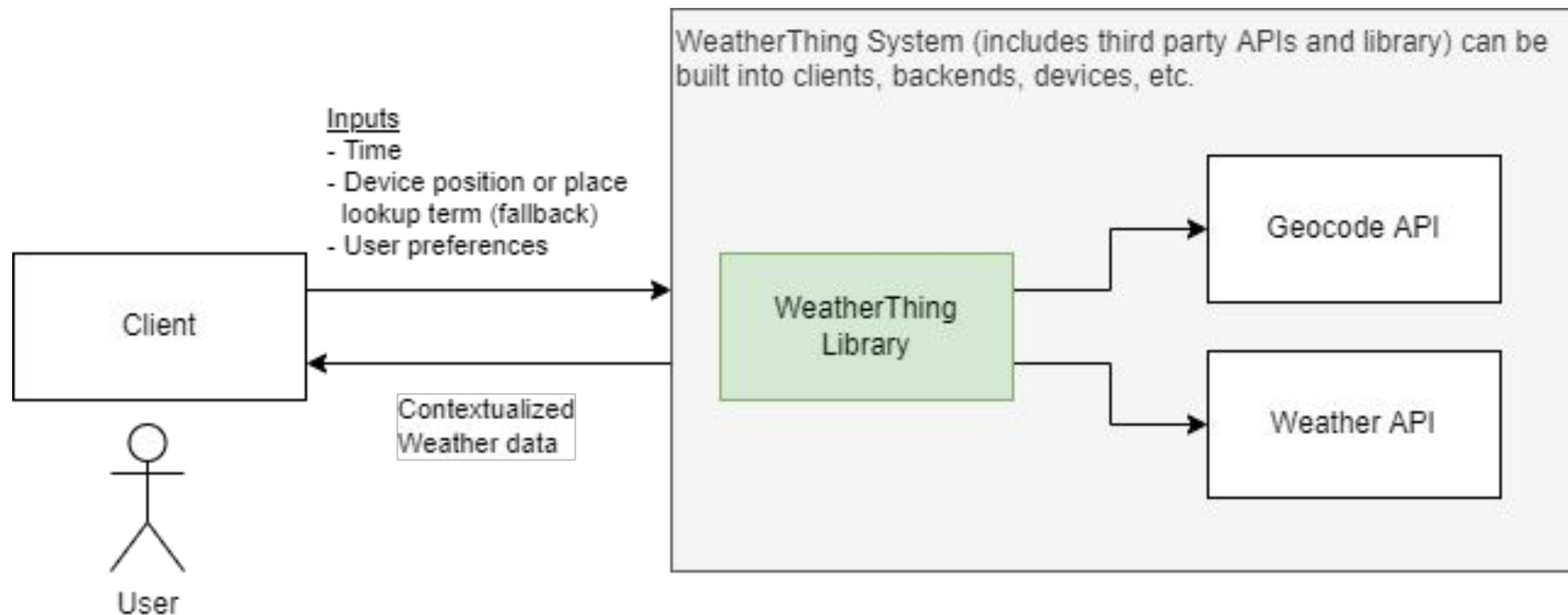# WeatherThing

Abyel Tesfay, Remo Scolati

Introduction

Purpose

- Aggregate inputs and sensor data
  - Weather
  - Location
  - User preferences
- Can be built into clients or embedded devices, deployed in servers

Proposed solution

Inputs
- Time
- Device position or place lookup term (fallback)
- User preferences

Client

User

Contextualized Weather data

WeatherThing System (includes third party APIs and library) can be built into clients, backends, devices, etc.

WeatherThing Library

Geocode API
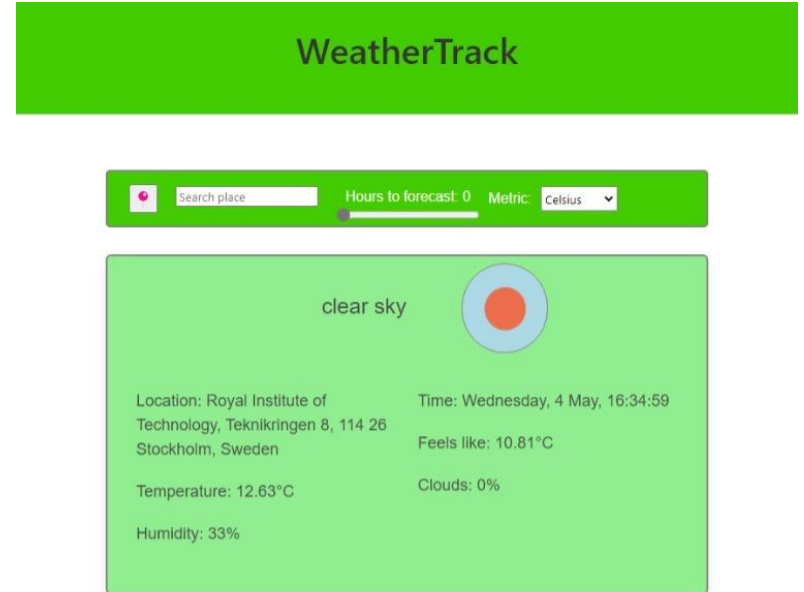
Weather API

Implementation

- Tools and frameworks
  - Native browser APIs
- Third party APIs
  - OpenWeather
  - Geoapify
- WeatherThing library
  - Embedded in the client
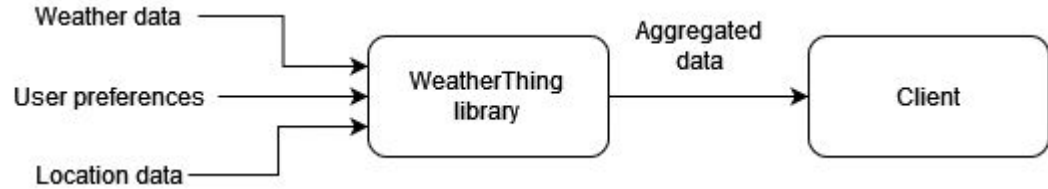- Sample application
  - Web application

Sample application: WeatherTrack

- https://u843.gitlab.io/id2012/

Use cases

- Home automation
- Notification service
- Smart display
- …

Question time