TeleWeather

A telegram bot for weather forecasting

@TeleWeather_pss_bot

t.me/Teleweather_pss_bot

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Project Development

Dependencies

Libraries Used

Design

Decision Making

Commands

Availible Commands

Personal Exp.

Positive/Negative Aspects

Difficulties

Dependencies/Frameworks

01 — **ExGram**

Bot API

Tesla & Hackney — **02**

Connectors por API GET calls

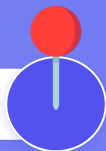**03** — **Jason**

Decoding tool

Commands

/get_codes

/get_codes

/forecast

/forecast [region_code]

/week_forecast

/week_forecast [region_code]

/my_alerts

/my_alerts

/weather_alert

/weather_alert [region_code] [< , >] [degrees]

/delete_alert

/delete_alert [alert_pid]

Design

Key decisions

API Calls

Two Tesla Middleware:

"Get":
- Token Authentication
- Base URI
- Gets from AEMET

"Get Basic":
- Gets from a specific URL

Alerts

One **process** per alert

Storage

An ets table is going to store the different alerts.

Columns:
- Chat id
- Alert (process) pid
- Alert Type
- Condition

Personal Experience

Positive/Negative Aspects

Difficulties

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- Possibilities elixir offers

- Pre-coded functions from libraries like:
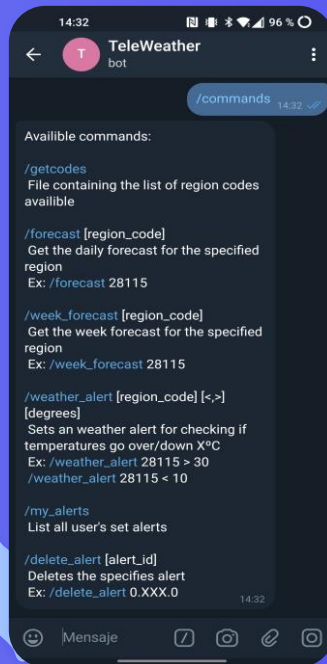   - Erlang
    - IEx
    - Calendar
    - Ets

- First time

- Errors clarity

- Jason library

- AEMET API responses

Commands in action I
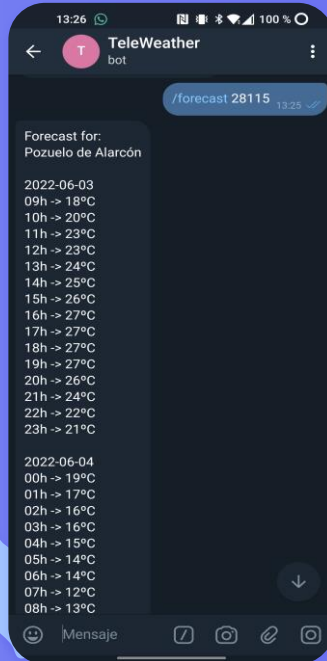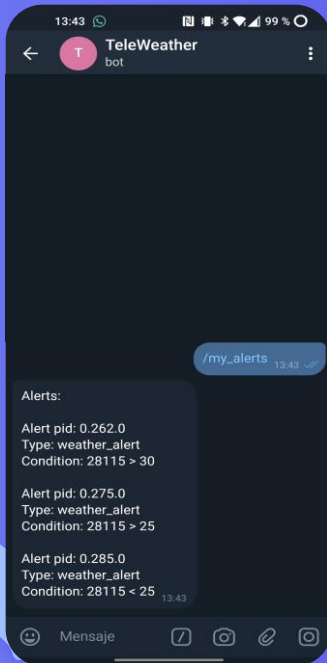
Commands in action II

/forecast

/week_forecast

Commands in action III

/weather_alert

/my_alerts

/delete_alert

Thanks!

Hope you enjoyed it!