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

*/start

/commands (/help)

Commands

/get_codes

/get_codes

/forecast

/forecast [region_code]

/week_forecast

/week_forecast [region_code]

/weather_alert

/my_alerts

/weather_alert

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

/delete_alert

/delete_alert [alert_pid]

Design

Key decisions

Two Tesla Middleware:

“Get”:
- Token Authentication
- Base URI
- Gets from AEMET

“Get Basic”:
- Gets from a specific URL

API Calls

One **process** per alert

Alerts

An ets table is going to store the different alerts.

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

Storage

Personal Experience

Positive/Negative Aspects

Difficulties

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

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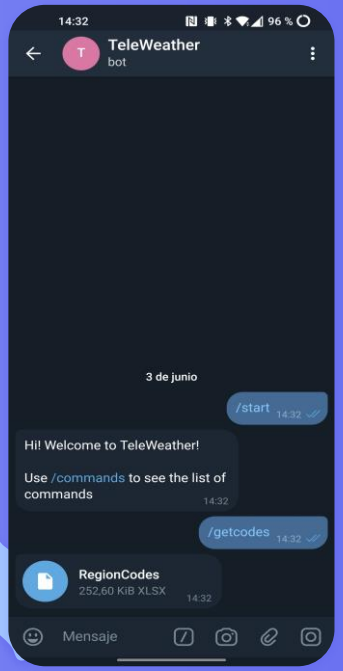
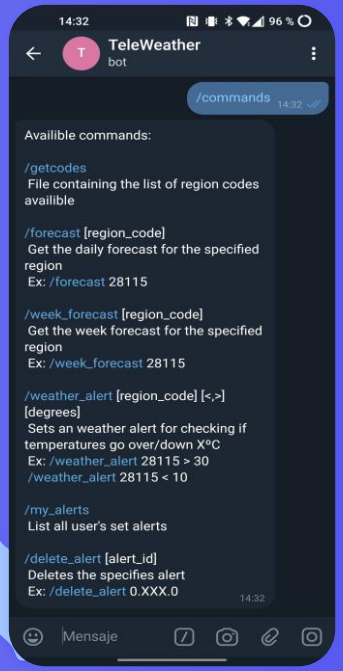
- First time
- Errors clarity
- Jason library
- AEMET API responses

Commands in action I

/get_codes



/commands



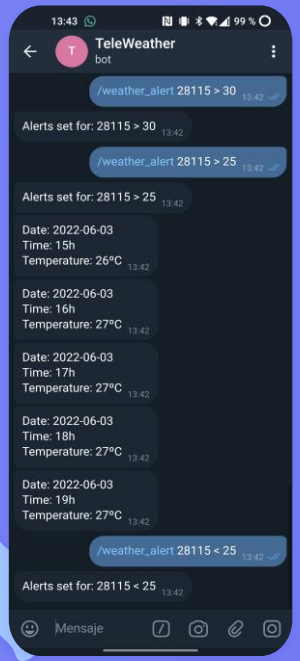
Commands in action II

/forecast

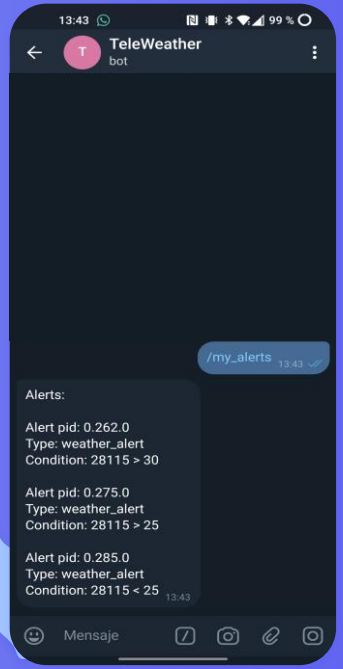
/week_forecast

Commands in action III

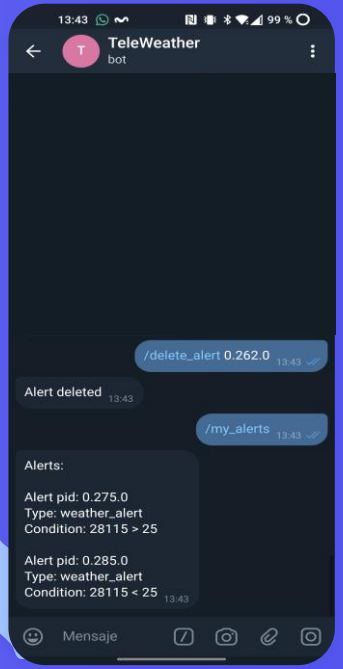
/weather_alert

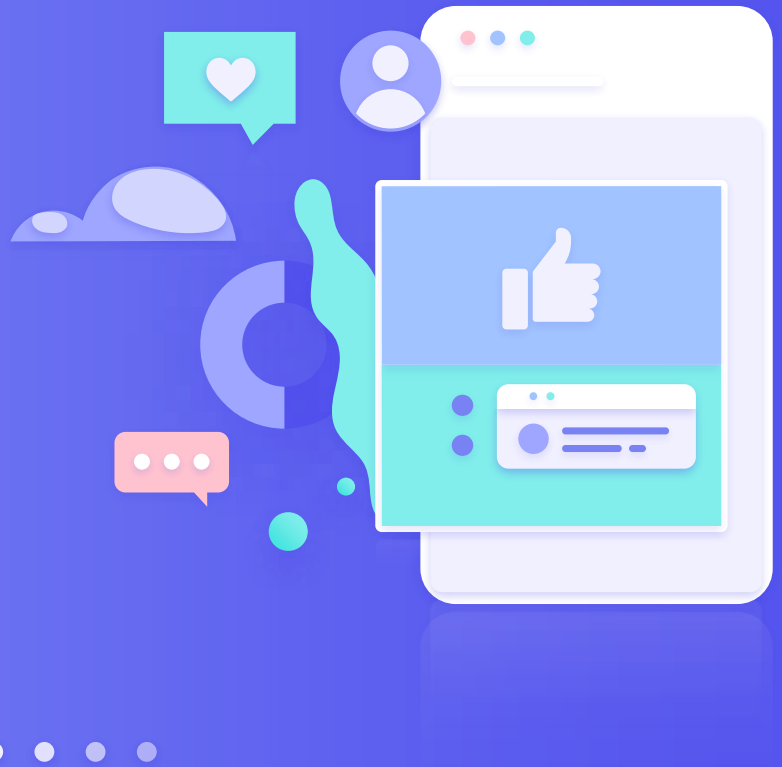


/my_alerts



/delete_alert



Thanks!

Hope you enjoyed it!