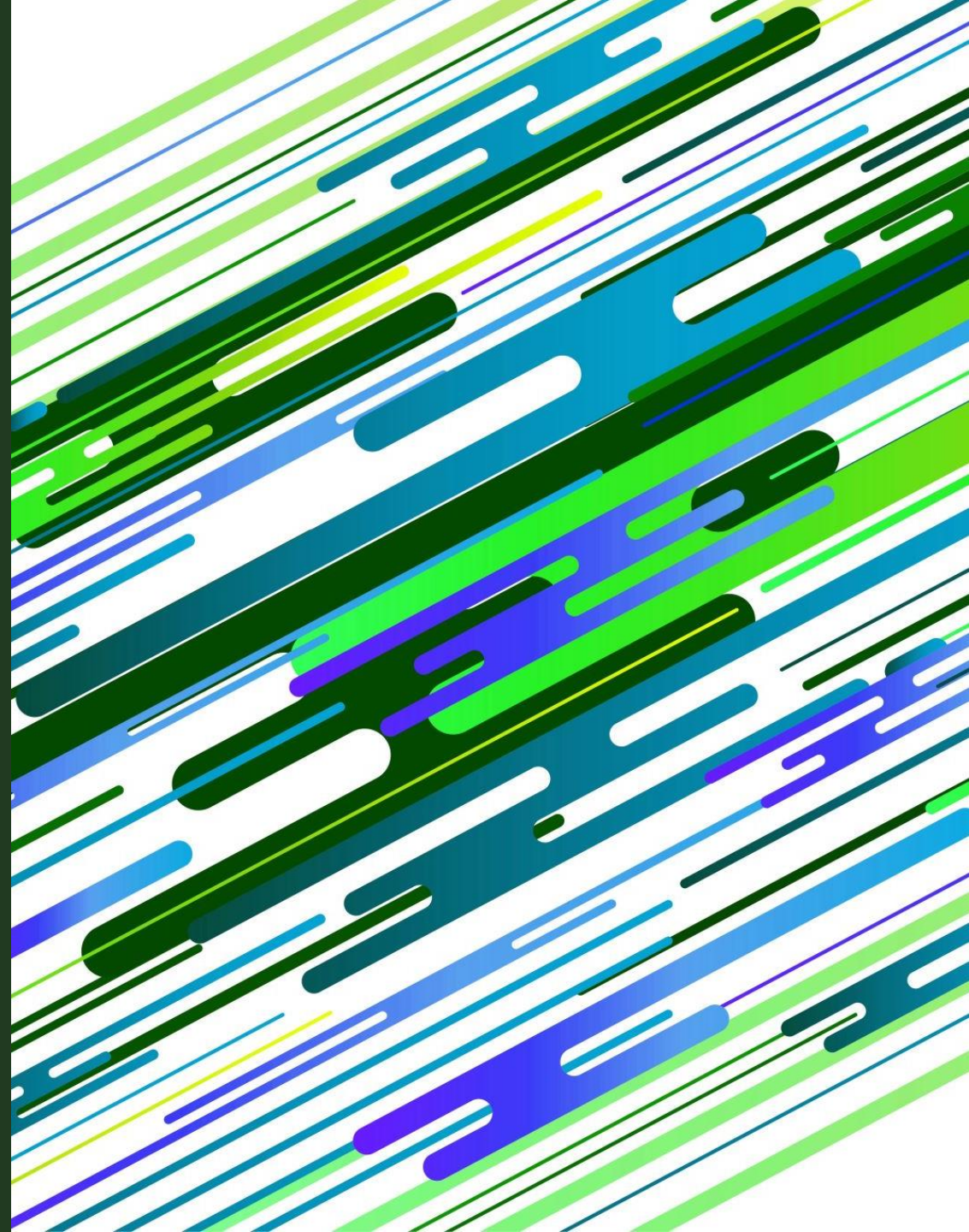# THE ROAD -TRIP COMPANION

Cloud Technologies group 2

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Pitch

Increasingly popular

COVID-19 travel limitations

Smooth

A to B planned seemlessly

Our goal

- Easily plan a roadtrip
- During the roadtrip
- Post roadtrip

Technology

Openstack: For a smooth deployment and maintance experience

Firestore: To store Road Trips

Webhook

      - Traffic messages

      - Drastic weather changes

      - (maybe pitstops)

Docker?

Progress

So far:

- API implementation

- Groundwork, good base is important

- Workflow documentation

- Readme

Whats next:

- Webhook implementation

- Merge api functionality

- Readme & documentation

Demo

```
{
    "Street": "Lillehammervegen",
    "Maneuver": "ROUNDABOUT_CROSS",
    "RoadNumber": "4",
    "JunctionType": "ROUNDABOUT"
},
{
    "Street": "Lillehammervegen",
    "Maneuver": "ROUNDABOUT_CROSS",
    "RoadNumber": "4",
    "JunctionType": "ROUNDABOUT"
},
{
    "Street": "Lillehammervegen",
    "Maneuver": "FOLLOW",
    "RoadNumber": "4",
    "JunctionType": ""
},
{
    "Street": "Lillehammervegen",
    "Maneuver": "ROUNDABOUT_CROSS",
    "RoadNumber": "E6",
    "JunctionType": "ROUNDABOUT"
},
```

Main":{⊟
    "Main":"Rain",
    "Message":"It has been light rain the last hour, consider bringing a umbrella."
,
Rain1h":0.21,
Snow1h":0,
Temp":{⊟
    "Temp":3.89,
    "Message":"The temperature is: 3.9 degrees Celsius. The temperature outside is moderate. Consider whether winter tires is needed. Most likely summer tires are recommended. Wear a moderate amount of clothing."
,
FeelsLike":{⊟
    "FeelsLike":3.89,
    "Message":"It feels cold outside, with a feels like temperature of: 3.9 degrees Celsius."
,
TempMin":{⊟
    "TempMin":3.89,
    "Message":"The minimum temperature for the day is expected to be: 3.9 degrees Celsius. Consider this both with regards to tires used and clothes you plan to wear."
,
TempMax":{⊟
    "TempMax":3.89,
    "Message":"The maximum temperature for the day is expected to be: 3.9 degrees Celsius. Consider this both with regards to tires used and clothes you plan to wear."
,
Humidity":{⊟
    "Humidity":89,
    "Message":"The humidity values at the moment is: 89 percent. If it ain't raining already, there is a high change it will start raining soon."
,
Visibility":{⊟
    "Visibility":90,
    "Message":"The visibility outside is: 90 meters."
,
WindSpeed":{⊟
    "WindSpeed":0.89,
    "Message":"The wind speed today is 0.89 m/s."
,
WindDeg":{⊟
    "WindDeg":161,
    "Message":"The wind degree direction is: 161"
,
Sunrise":{⊟
    "Sunrise":1620097323,
    "Message":"The time for sunrise is: 2021-05-04 05:02:03 +0200 CEST"
,
Sunset":{⊟
    "Sunset":1620156353,
    "Message":"The time for sunset is: 2021-05-04 21:25:53 +0200 CEST"

Experiences

Hard to find good API's (deciding on topic)

Accessability(api key)

Grasp and scope

Working across projects

QUESTIONS?