



WeatherFirstRoutes

For weather conscious travellers

powered by **Google**

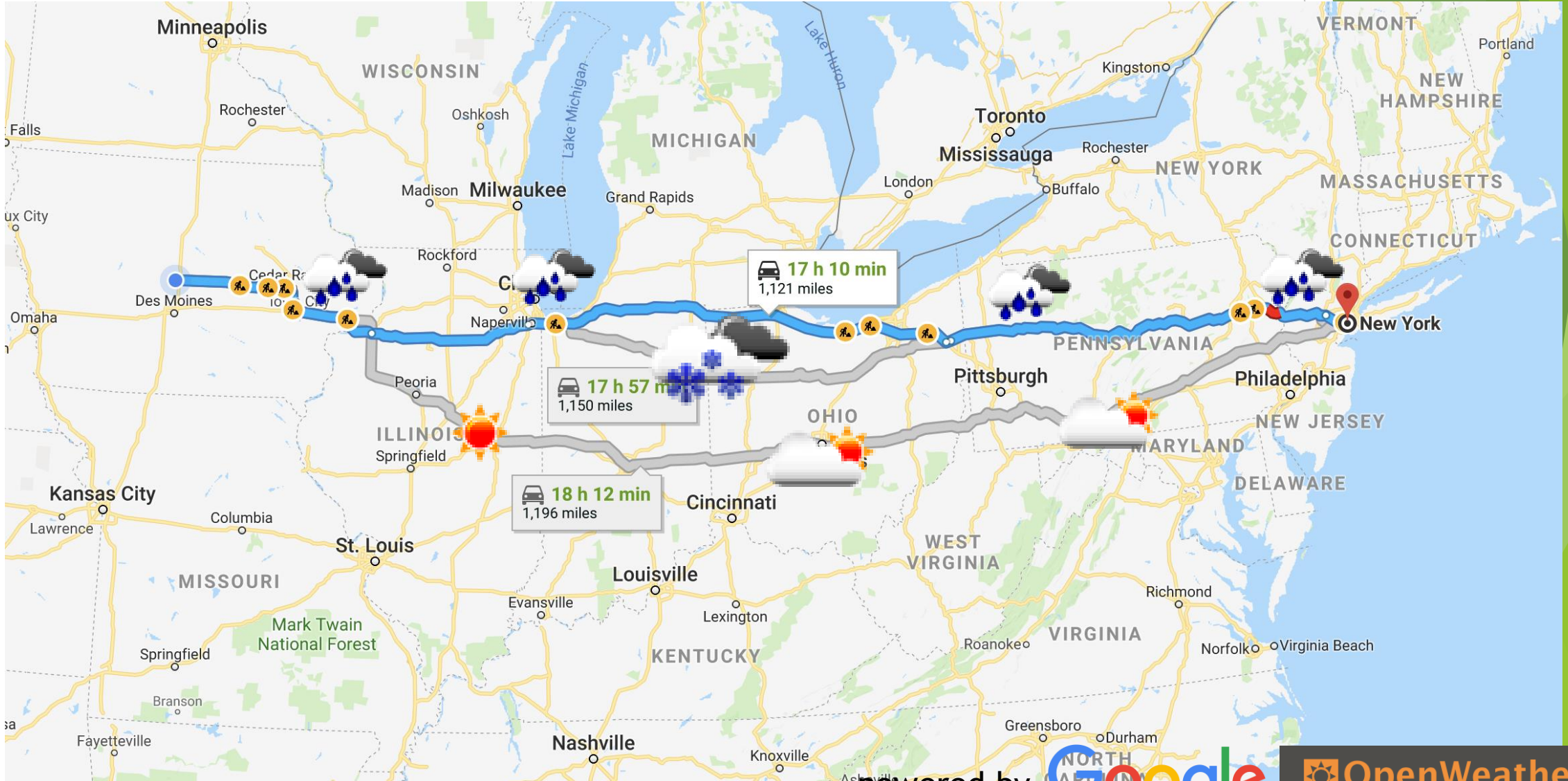
 **OpenWeatherMap**



Your options...

- ▶ Shortest Distance
- ▶ Shortest Duration
- ▶ ??????

Problem again - Now Which ROUTE will you take?



Strong social and business need!!!

- ▶ According to the Federal Highway Administration (FHWA) out of nearly six million vehicular accidents that occur every year in the U.S., approximately 22 % are weather-related. Nearly 6,000 people are killed and another 445,000 injured due to accidents that occur during bad weather.
 - ▶ <https://www.blumenshinlawgroup.com/how-bad-weather-increases-driving-accidents/>
- ▶ We have necessary infrastructure too. But there is no integrated tool???
- ▶ Ex: Google has Maps, Directions, Places APIs along with realtime Weather data



Our Solution

► WeatherFirstRoutes

1. Google Maps SDK for Android
2. Google Places SDK for Android
3. Google Directions API
4. OpenWeatherMap



Extreme Weather Conditions - OpenWeatherMap

24 Weather Conditions x day/night

- ▶ thunderstorm with heavy rain
- ▶ heavy shower rain and drizzle
- ▶ fog
- ▶ heavy shower snow
- ▶ very heavy rain - night

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Android devices capability:

- ✓ Android Oreo 8.0.0 / API 26 or later devices

Tested on

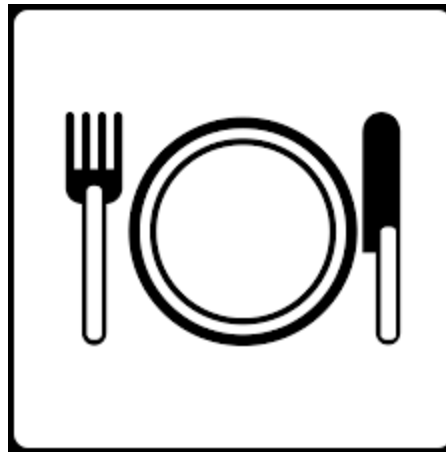
- ▶ Samsung J7

Business Model for Sustainability

► Integration with :

- Trip Advisor API
- Airbnb API
- Starbucks API

For travellers to
spend time to delay
bad weather





Thank you!