



**Aircheck**

**AirAware**

# **Space apps challenge 2016**

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# + Today's Agenda



**1. The Challenge**

**2. The AirAware Experience**

**3. Use cases**

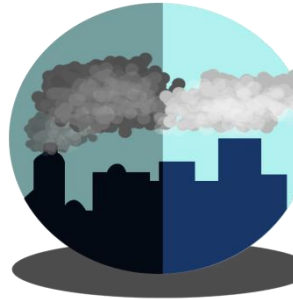
**4. Architecture**

**5. Conclusions**

# 1. The Challenge



# + The Challenge



## **Problem**

- Comparison between air quality and public health

## **Solution**

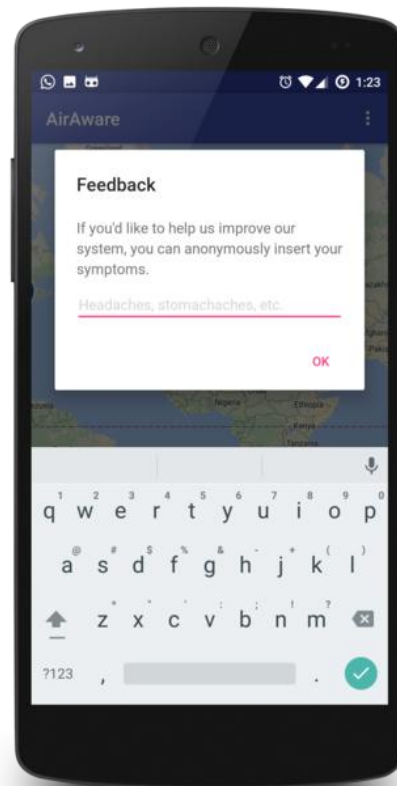
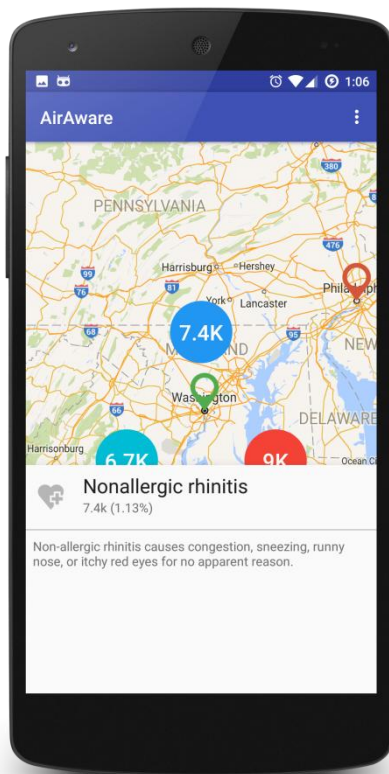
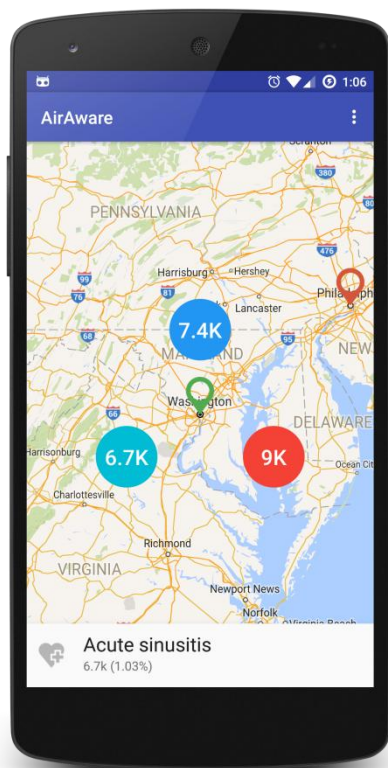
- Raise Awareness & Empower the People



A composite image featuring an astronaut in a white spacesuit with blue gloves, lying on the dark, cratered surface of the moon. The astronaut's helmet is reflective, showing a distorted view of the lunar landscape. In the upper right corner, a small, detailed image of the Earth is visible against the blackness of space. A semi-transparent blue horizontal band across the middle of the image contains the text "2.The AirAware Experience" in white.

## 2.The AirAware Experience

# + The AirAware Experience



# + The AirAware Experience



Browse the world map

Easily learn about local air quality

Find about regional health concerns





# 3. Use cases





# Use cases



The will for a healthy life

Humans' footprint upon the world

Public health monitoring



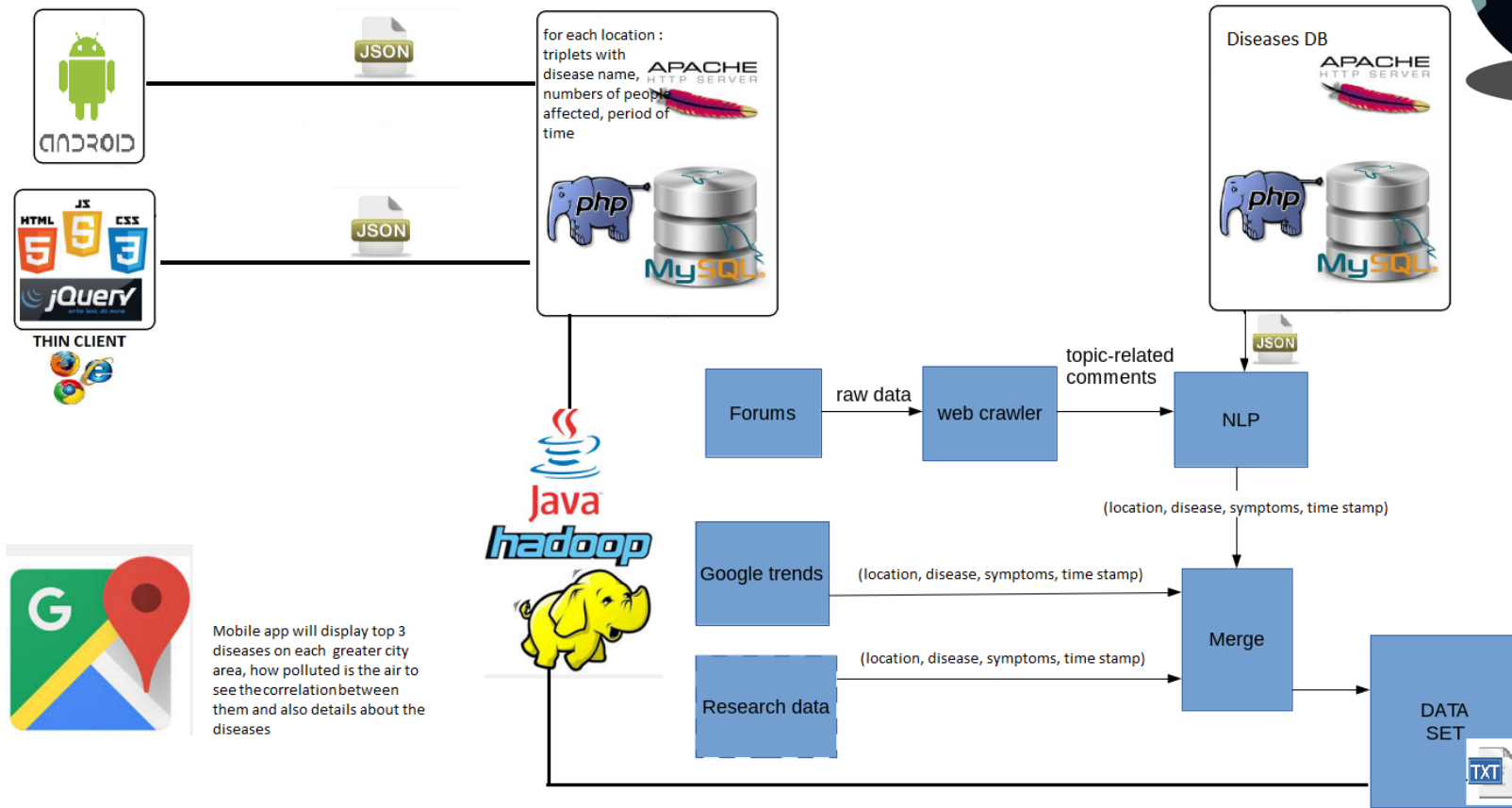
# 4. Architecture

# + Technologies used





# Architecture





# + Product Anatomy



- User interface
  - Querying
  - Crowd Sourcing
  - Physical Data acquisition
- Backend
  - Data collection from the web
    - Medical forums
    - Google trends
    - NASA datasets
    - Research data
  - Data mining
    - Estimate missing pollution data
    - Estimate missing health-related data
    - Aggregate existing data for easy visualization

# 5. Conclusions





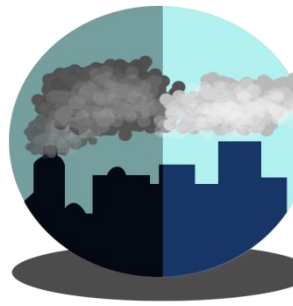
# Conclusions



## AirAware

- brings awareness about air pollution
- empowers people to make better decisions and take care of the planet.

+ Take home message



Remember we have



one home



+ Take home message

Remember we have



one hope

