

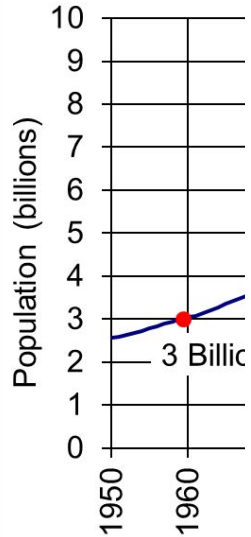
# Eco-Friendly

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Thomchelik Tunca

# Global Epidemic

World Population: 1950-2050

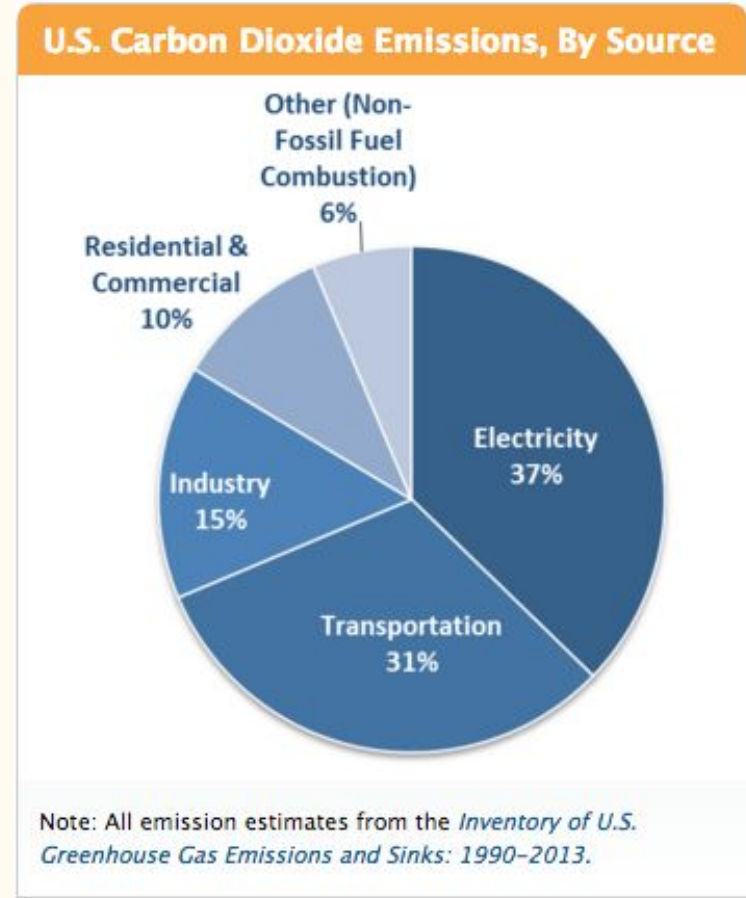


Source: U.S. Census Bur



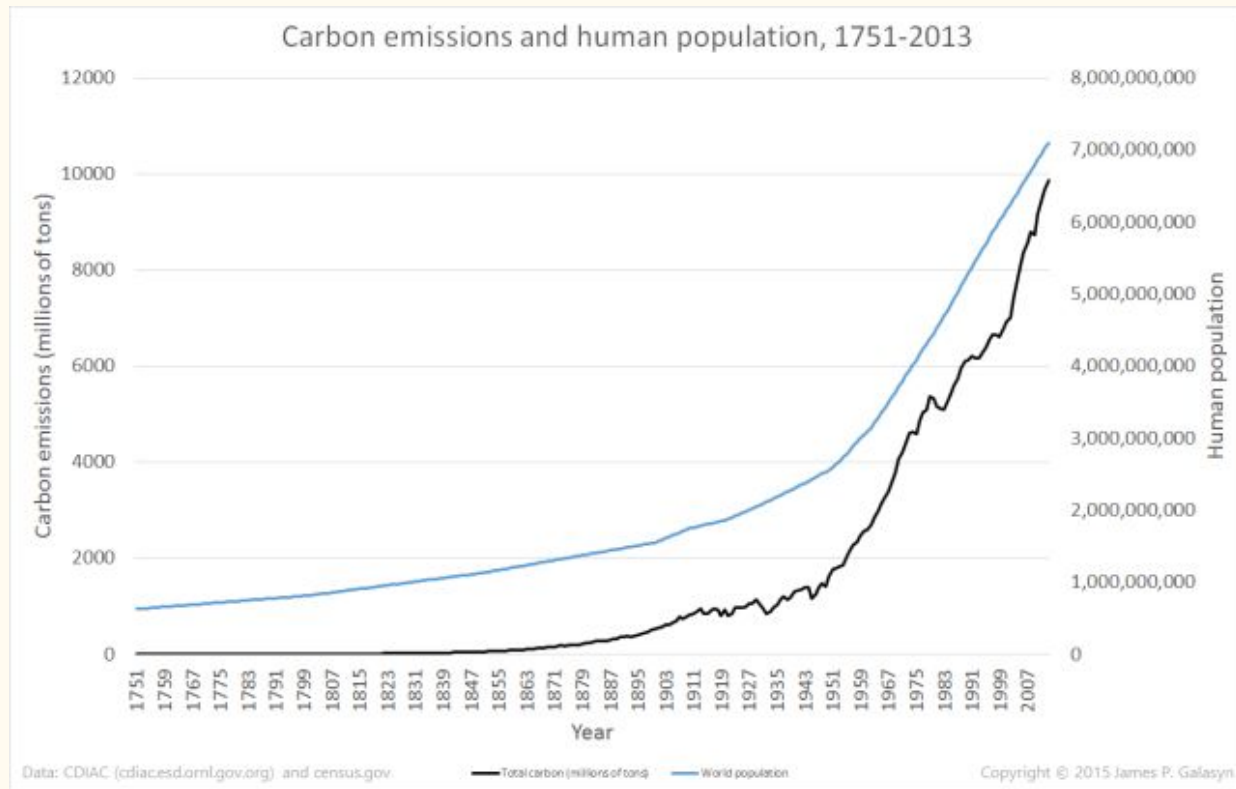
# CO2 Emission Pollution

- CO2 emissions by vehicles  
**QUADRUPLED**  
in the last 70 years
- Average American = **19.8 metric tons** CO2 emitted
- **4.7 metric tons** from vehicles



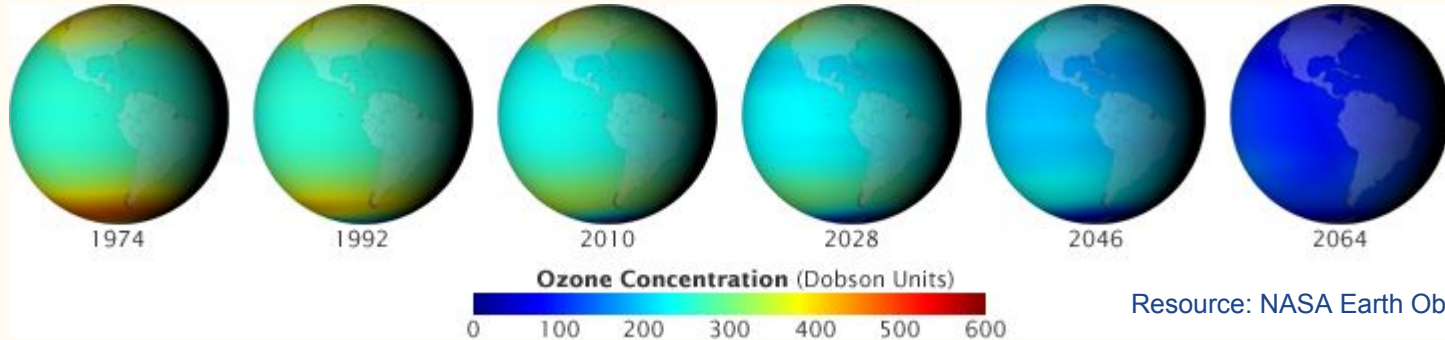
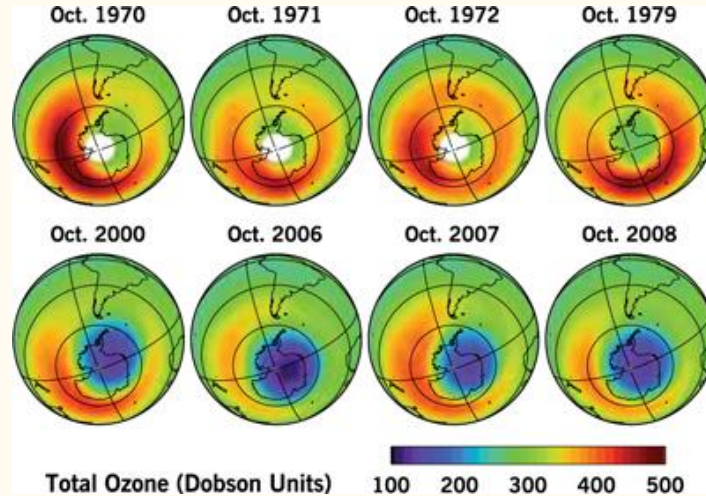
# CO2 Emission Pollution

- Global temp increased by **0.31°C** of total **0.85°C**
- CO2 traps heat in atmosphere = Global Warming



# 1. Side Effect - Ozone Layer Depletion

- Too much radiation
- Microscopic ecosystems (i.e. Plankton) will not thrive



Resource: NASA Earth Observatory

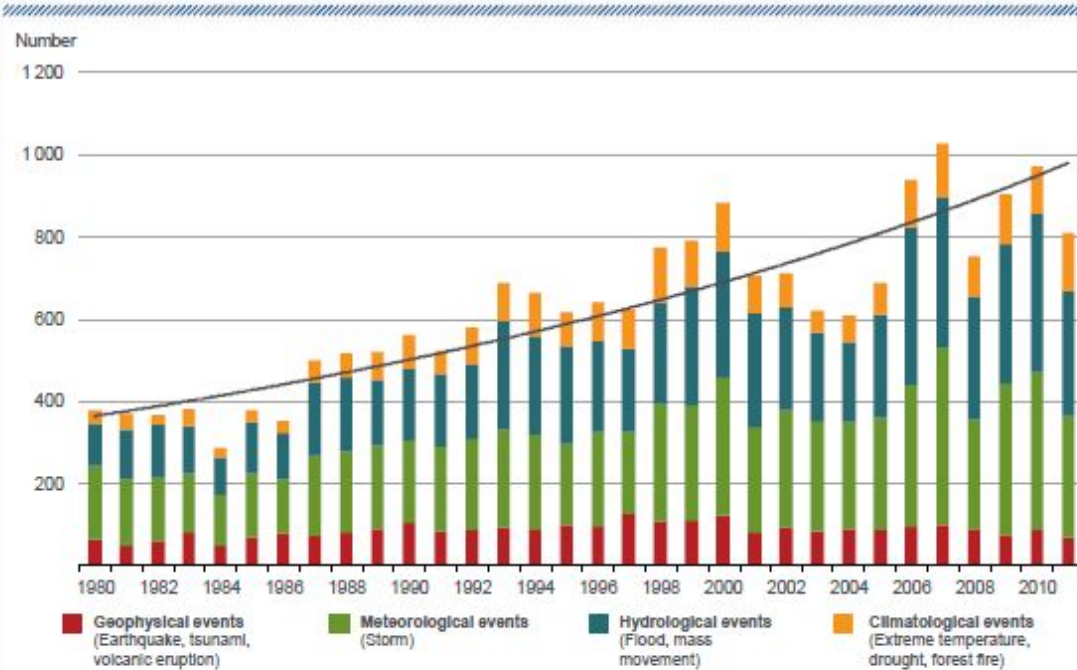
## 2. Side Effect - Severe Weather Events

NatCatSERVICE

Natural catastrophes worldwide 1980 – 2011

Number of events with trend

Munich RE 



© 2012 Münchener Rückversicherungs-Gesellschaft, Geo Risk Research, NatCatSERVICE – As at January 2012



### 3. Side Effect - Oceanic Acidification/Acid Rain



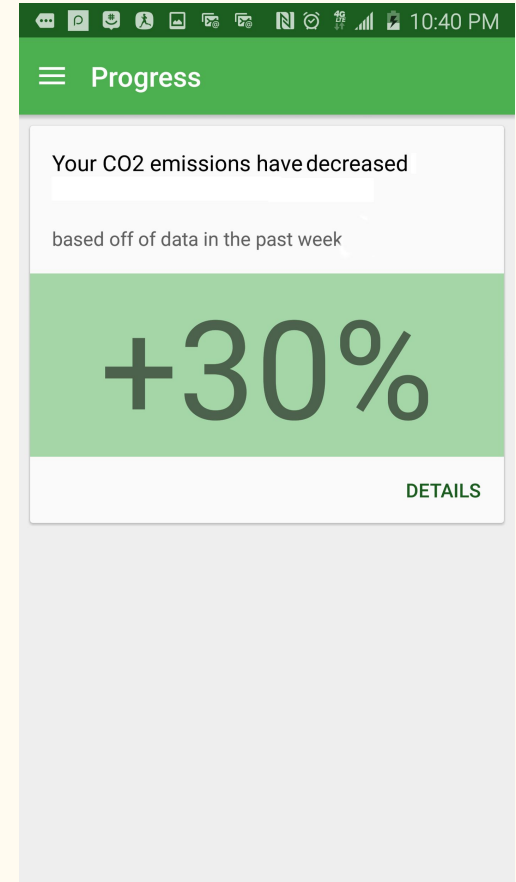
- Rain water contains dissolved CO<sub>2</sub> pollution
- Damages/kills crops, forests, and wildlife
- Pollutes drinking water sources



# Solution



- Android application that easily tracks a user's CO2 emission like calorie/step counter
- People are more conscious of their carbon footprint
- **Encourages user to reduce their own CO2 emissions via text and best route**



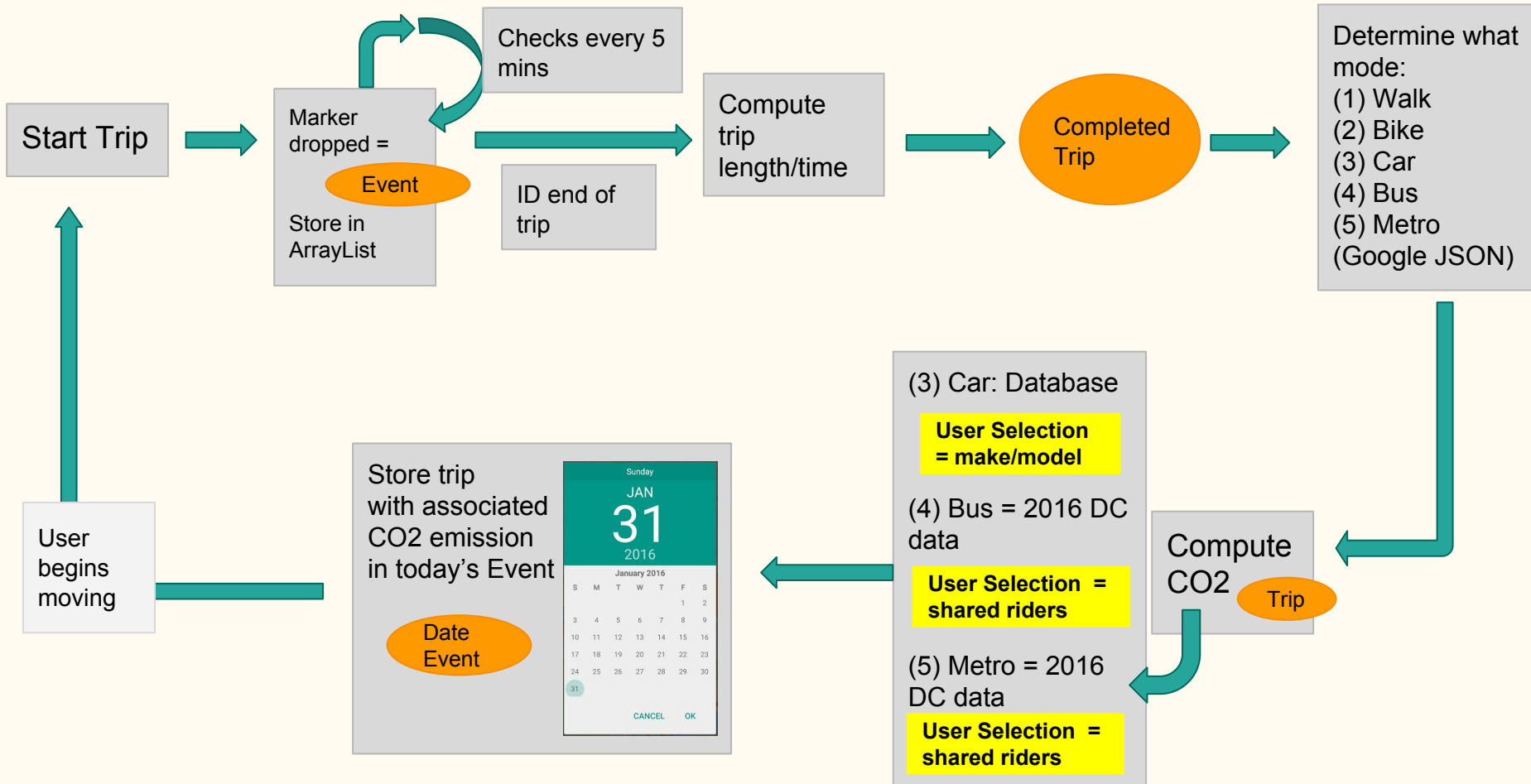


# How It Works

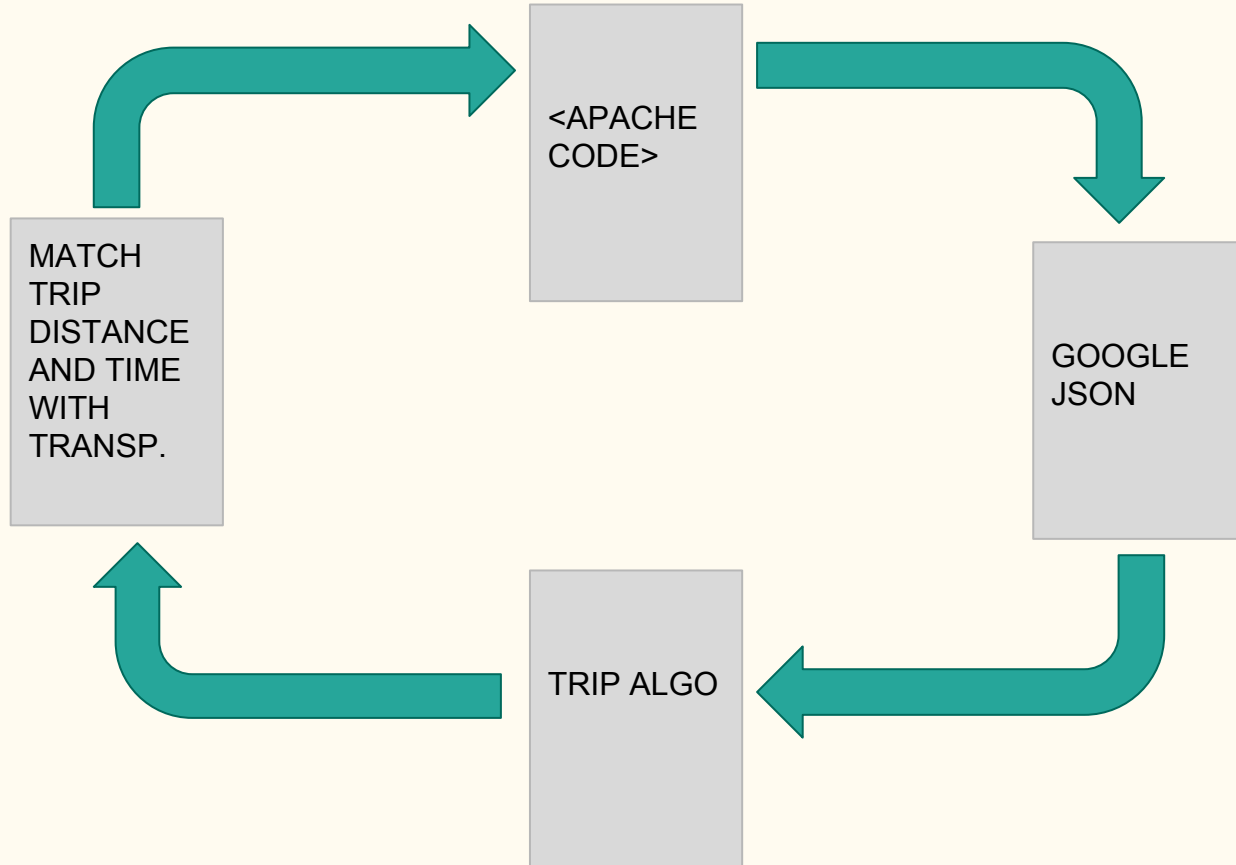
- Finds distance traveled by a source of transportation



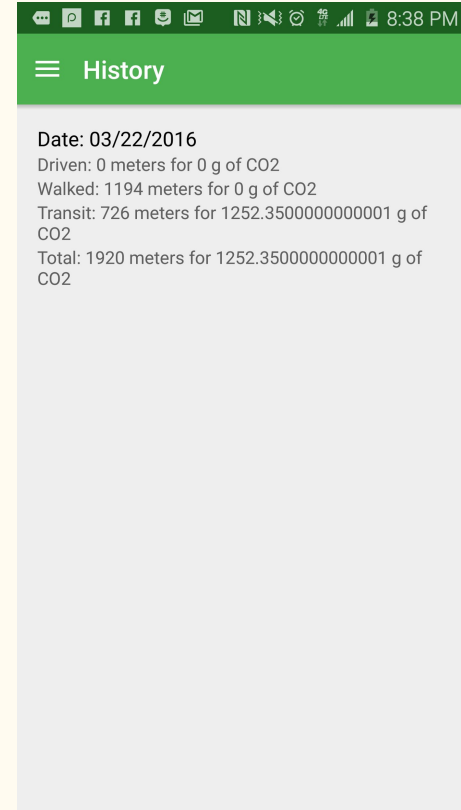
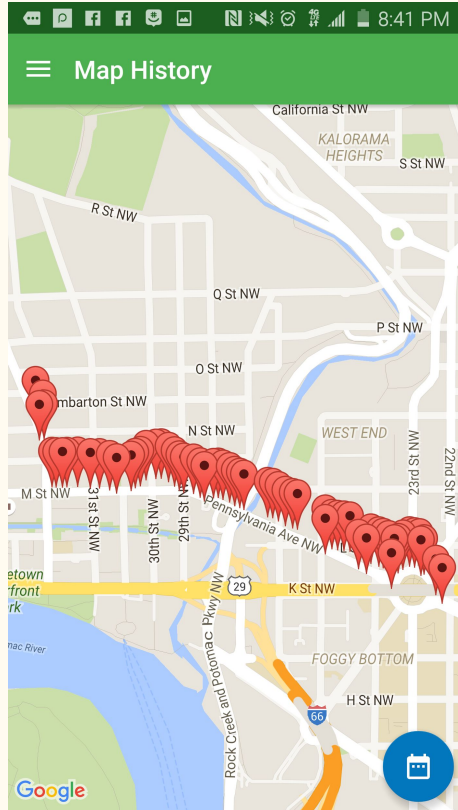
- Calculates total day's CO2 emission from all trips
- Keeps track of CO2 emission trips and encourages user to do better each day



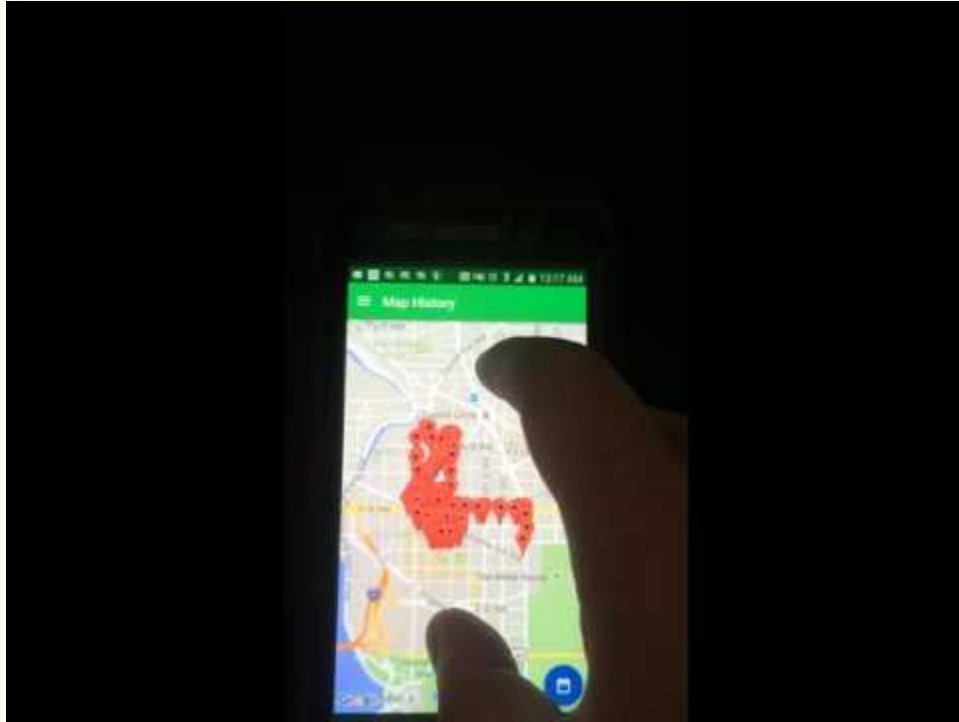
# GOOGLE JSON ALGORITHM



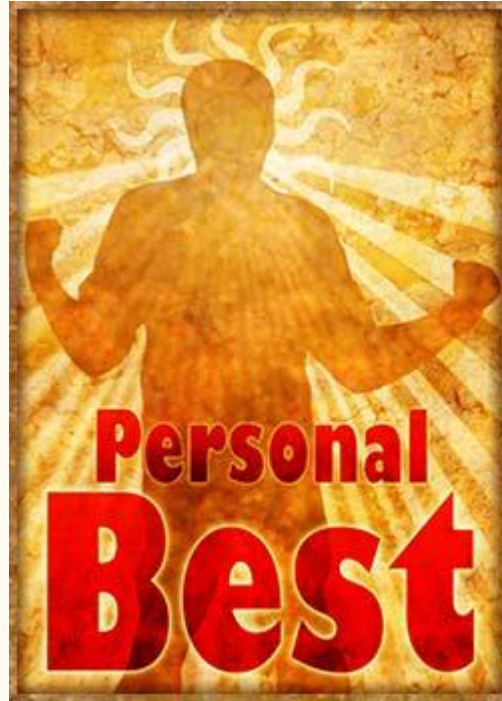
# CO2 Tracker



# ECO-FRIENDLY FEATURES



# Encourage User to Lessen CO2





A Healthy Earth is a Happy Earth

