Air visuals application

Actors:
- air quality testing stations
- user's stations
- Users (actor)
- Air quality testing station
- air visuals admin (actor)

Use cases and relationships:

- My list mode
  - «include» → Add station to the list
    - «include» → Search for stations
- Add user's stations «extend» → My list mode
- Generalize information of an area from many stations
  - «include» → List all stations
- health risk and preventative measure suggestion
  - «extend» → Get information from individual station
- weather forecast «extend» → Get information from individual station
- List all stations «include» → Get information from individual station
- Get information from individual station
  - «include» → AQI unit air quality measurement
  - «include» → Collect data station location
- Get info. from station closest* to user «include» → Get information from individual station
- map mode «include» → mapping stations on world map
- Go map → mapping stations on world map
- mapping stations on world map «include» → List all stations
- Get user's location
- exposure mode
  - «extend» → Get user's location
  - «include» → Add work location (user add)
  - «include» → Show air quality for work & outdoor (auto)
- User add their own location
- Find closest station to the user
  - «include» → Get user's location
  - «include» → Get info. from station closest* to user
  - «include» → Show air quality for work & outdoor (auto)
- Add new stations «include» → list newly added stations
- Allow only verified stations «include» → list all verified stations
- list all verified stations «include» → approve stations
- approve stations — air visuals admin

- News mode
  - «include» → Ranking air quality
    - «include» → Organize list of all stations to either be in asc or desc mode
  - «include» → Showing news
    - «include» → Select only news related to air/weather → news outlets
  - «include» → Showing resources
- Shop mode «include» → display products → Air visuals

news outlets (document symbol)
Air visuals (medical cross symbol)

*closest means the location, that user go often enough that algorithm classifies those locations as home and work

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enter app

my list mode ◇ map mode

Left branch (my list mode):

Press search button

↓

type "Mae Rim, Chingmai" into the search bar and enter

↓

click on the desired location

↓

scroll down and change "History" mode from "Hourly" to "daily"

◇

PM2.5 mode | AQI+ mode

↓ ◇

Right branch (map mode):

Press search button

↓

type "Maerim, Chiangmai" into the search bar and enter

↓

click on bar located in the button of the screen

↓

scroll down and change "History" mode from "Hourly" to "daily"

◇

PM2.5 mode | AQI+ mode

↓ ◇

Both branches merge into ◇

↓

● (end)