

An interface for a weather app that identifies air pollution levels.

# Context

According to the most recent data two million people in London are living with illegal air pollution.

I challenged myself to design a weather and calendar app interface that also provides updates on local air quality, and gives facts and advice about what the air quality data means in practical terms.

Air is something we can't do without. I wanted to create an interface that presents the data clearly and visually to help people actively avoid exposure to toxic air.

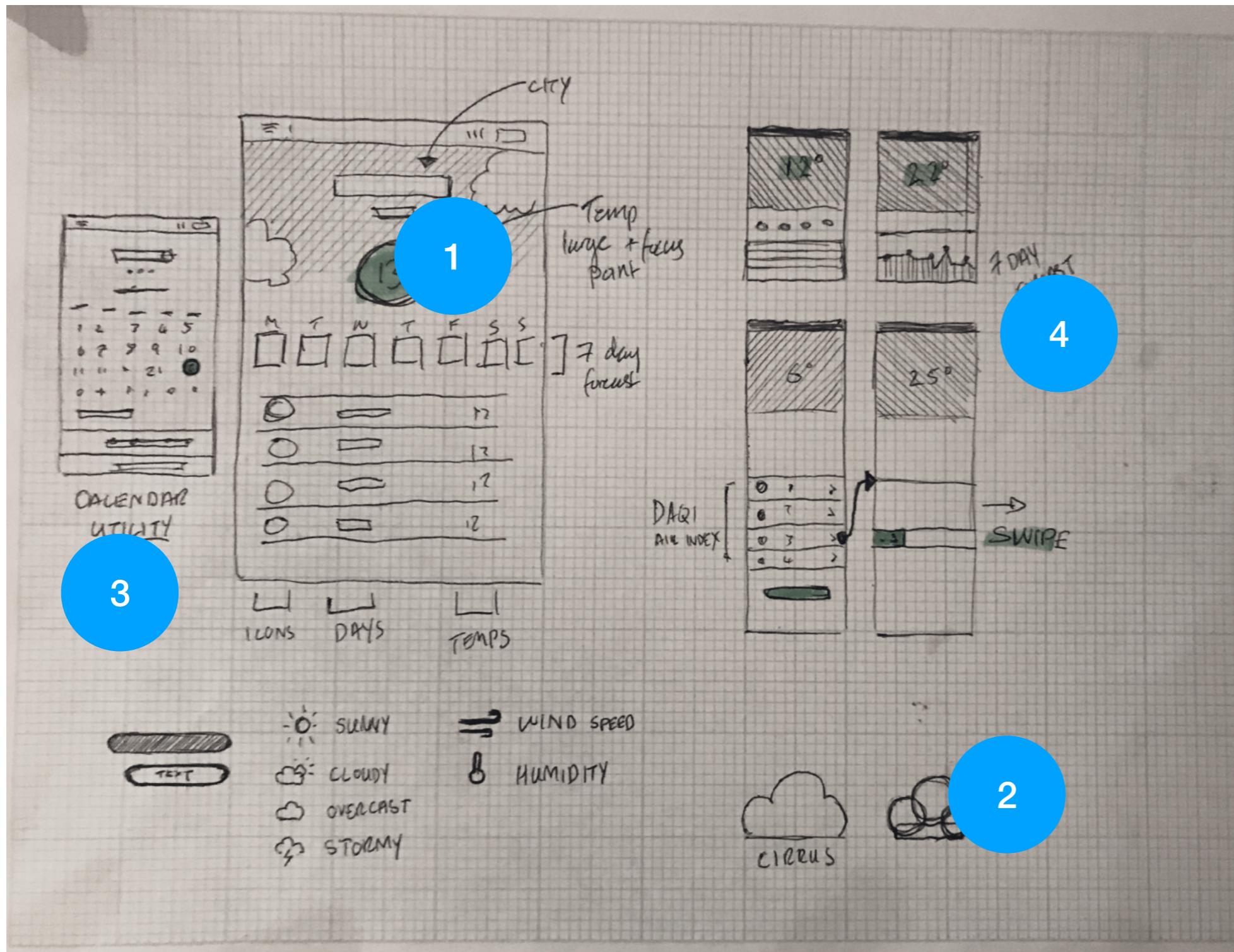
I used Sketch app to design the user interfaces, inVision to create a clickable prototype and the Sketch Magic Mirror plugin to create presentation mock-ups.

**My role:** UI Design/Visual Design

**Team size:** 1

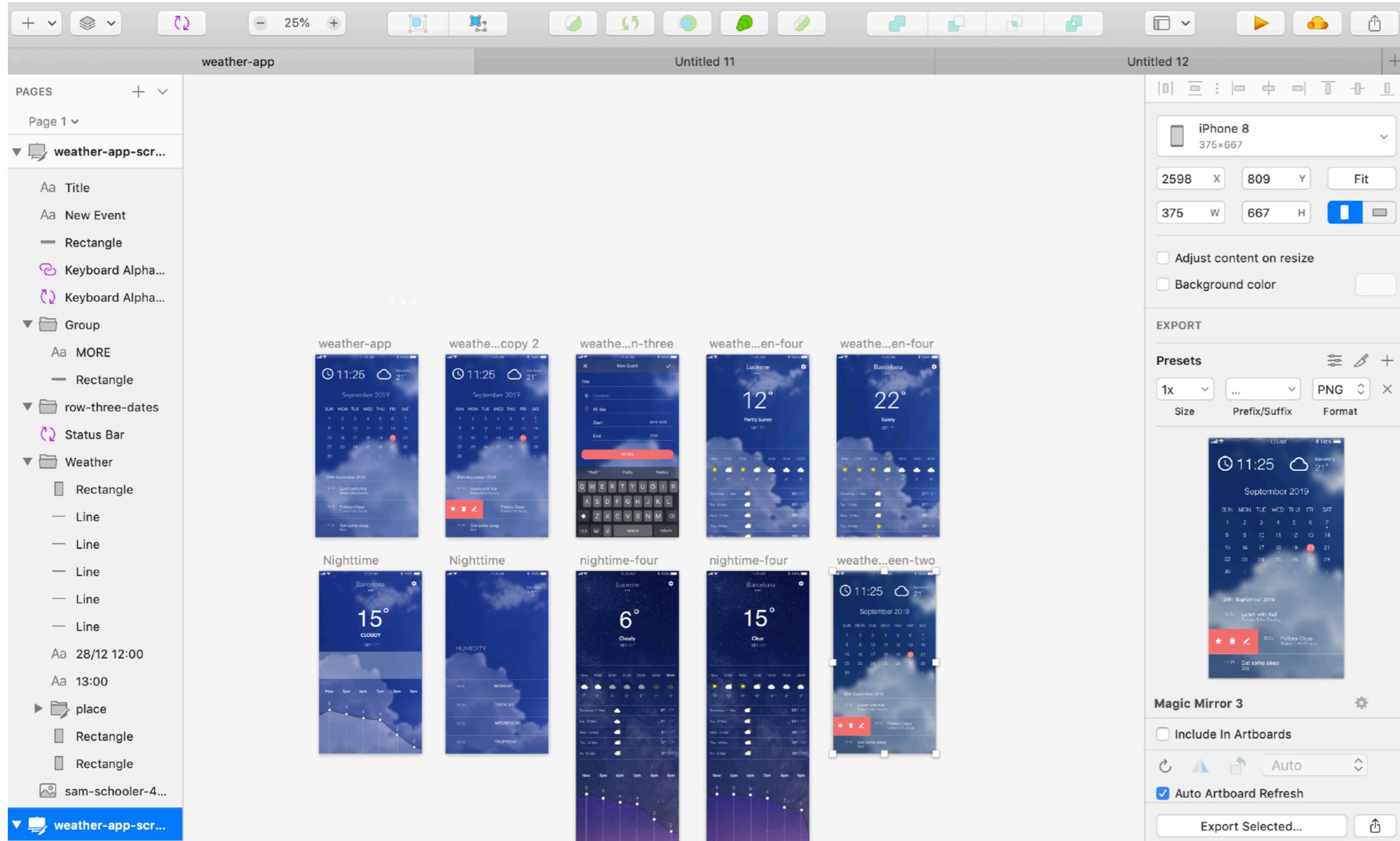
**Duration:** 2 weeks

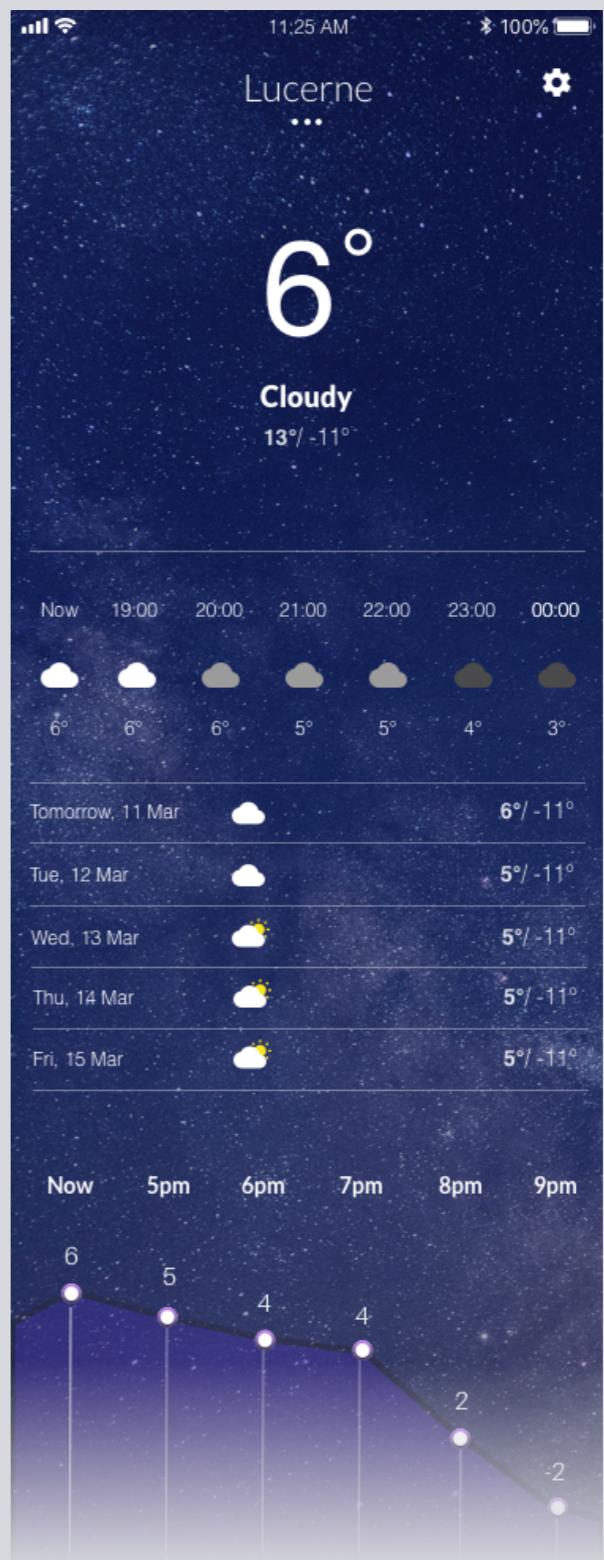
# Concept one



- 1 Current temperature
- 2 Logo/app store icon
- 3 Optional calendar feature
- 4 7 day forecast weather/pollution

# Building in Sketch App





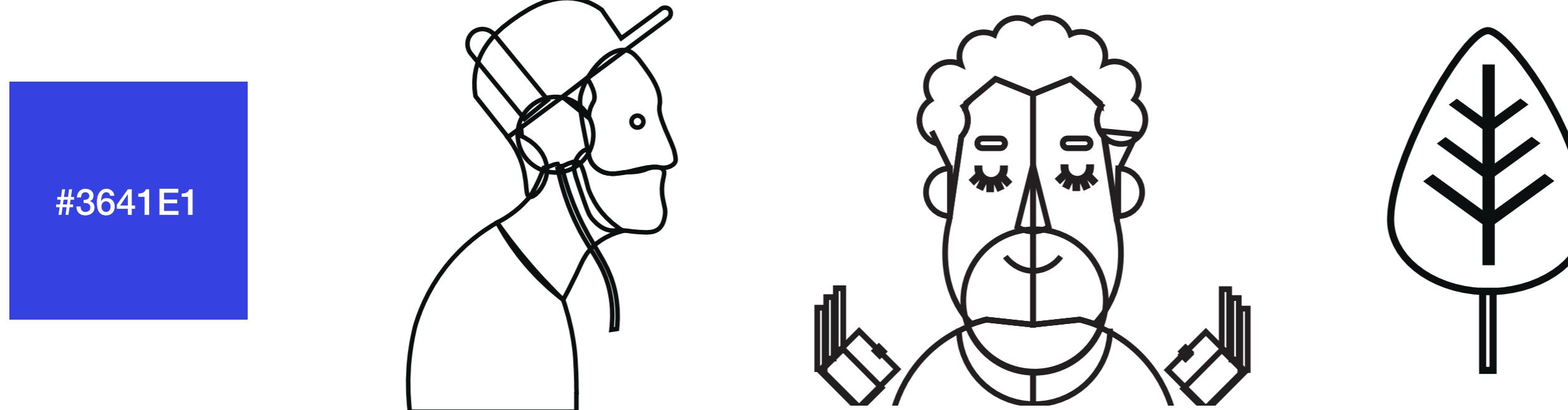


# Concept two

I wanted to change direction and move away from the concept one designs. They were clean and functional designs but looked too generic and did not centre the most important feature, the air quality reporting.

I envisaged that the app would provide a 7-day pollution and weather forecast to help the user, particularly sensitive groups such as those with asthma, plan their outdoor activity.

I reframed the design around this feature and decided to introduce a more playful look and feel. I started by drawing some characters in Adobe illustrator using vector shapes and brightening the colour palette by pulling out a vibrant blue that I had used as a gradient colour in the previous designs.

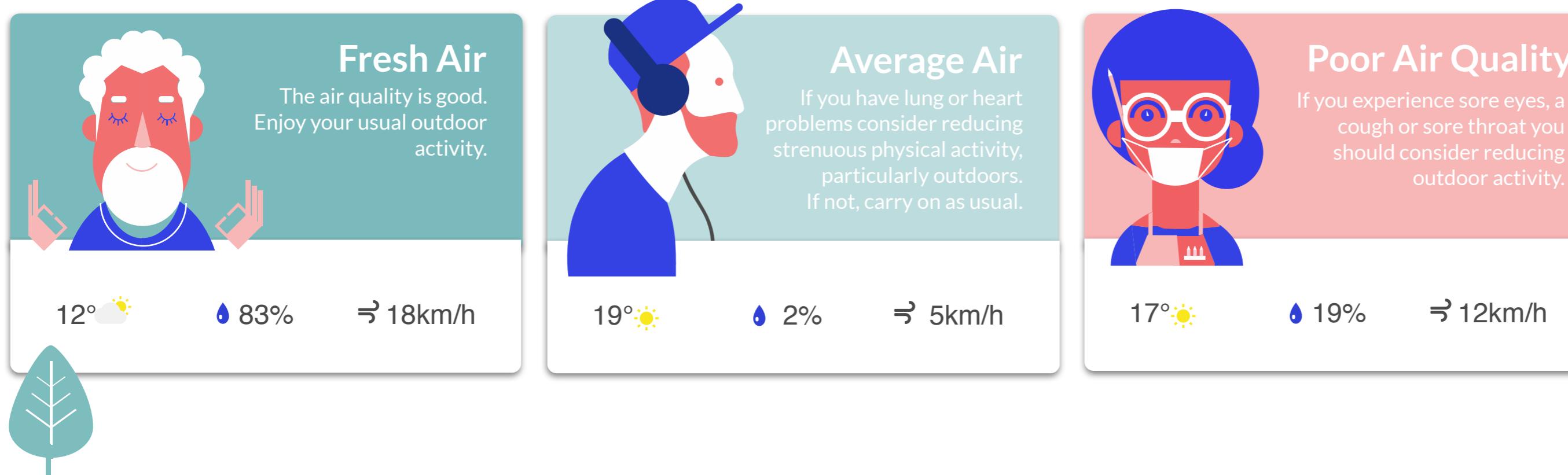


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# Breaking down the air quality data

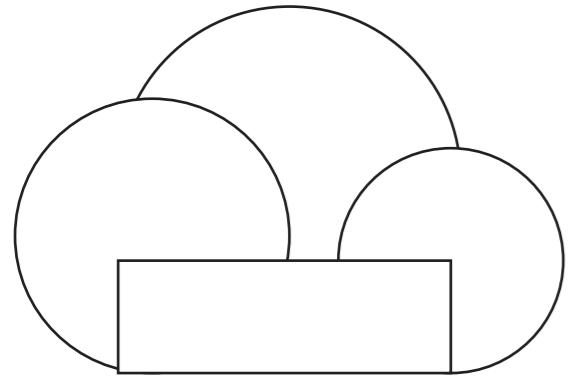
I sourced my information from the Daily Air Quality Index. DAQI tells you about levels of air pollution and provides recommended actions and health advice. The index is numbered 1-10 and divided into four bands, low (1) to very high (10), to provide detail about air pollution levels in a simple way, similar to the sun index or pollen index. [Information from DEFRA].

I decided to show each band as a card. I assigned each band a colour and a vector. This should be an engaging way to present the data for the user and help them recognise immediately what action to take in response to the air condition.

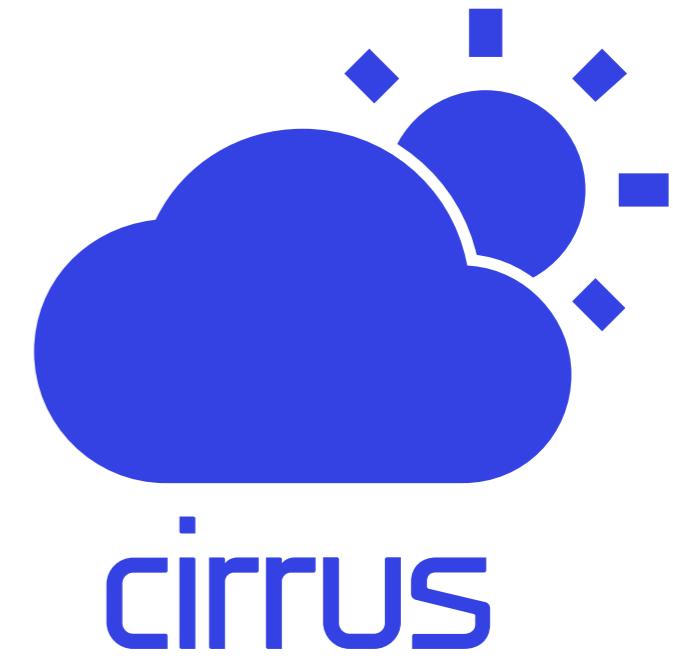
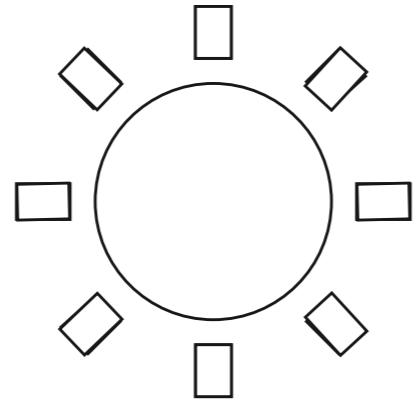




# Logo



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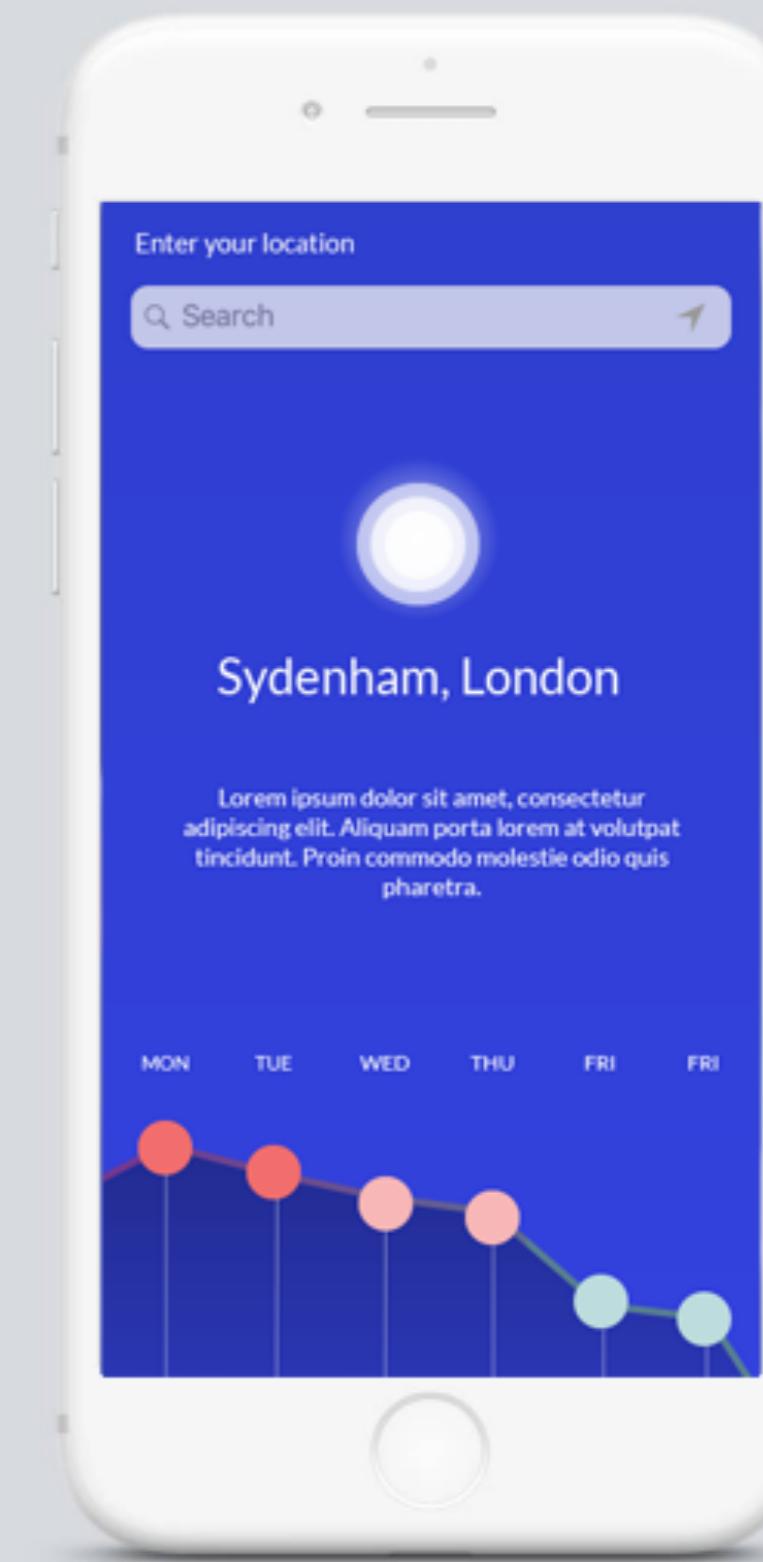
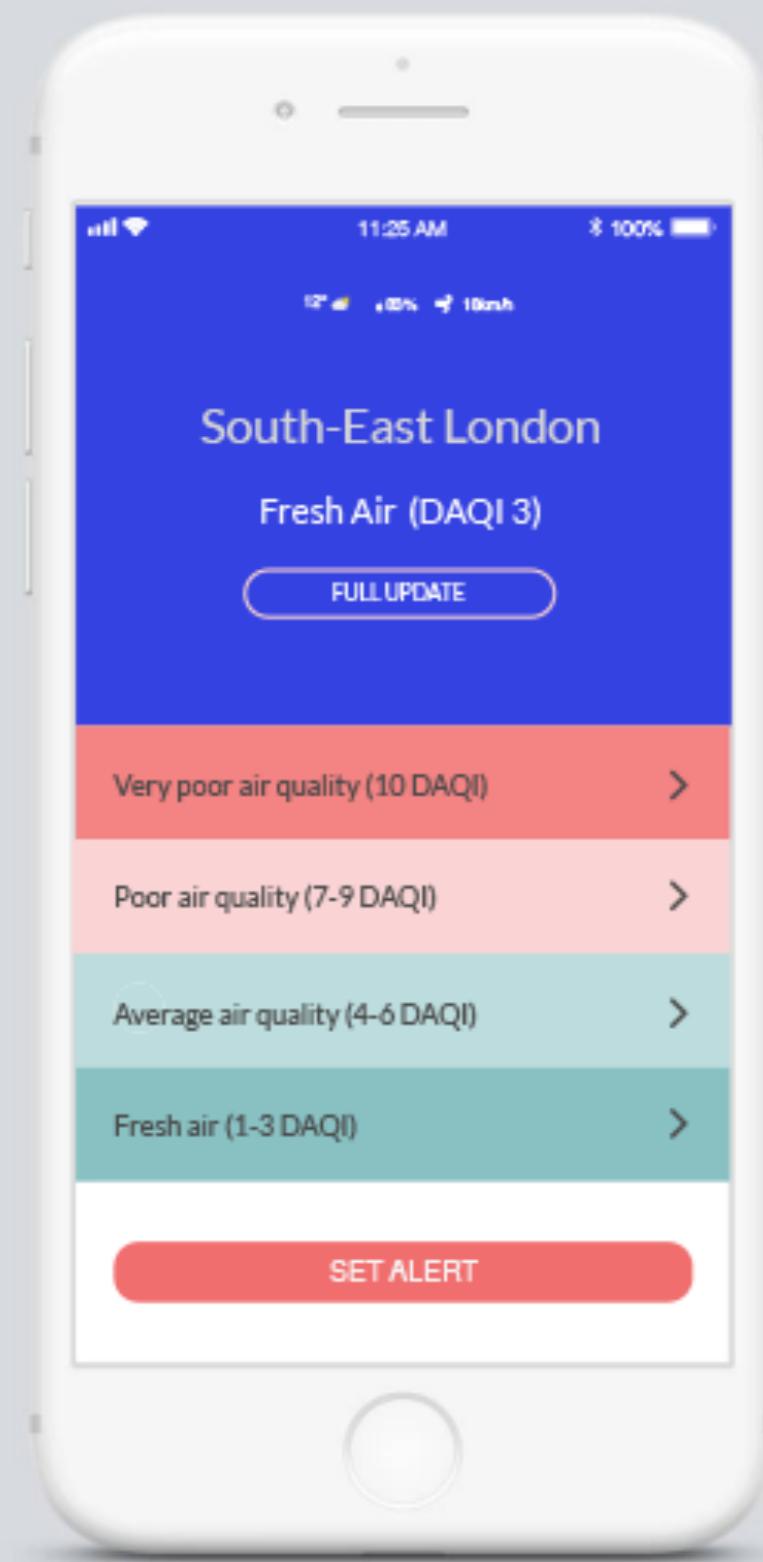


# Flow

The image displays a sequence of mobile application screens from the Cirrus app, illustrating the flow of information and user interface design.

- Screen 1: South-East London**  
Shows the location "South-East London" with the air quality status "Fresh Air (DAQI 3)". It includes a "FULL UPDATE" button and a sidebar with navigation links: "Very poor air quality (10 DAQI)", "Poor air quality (7-9 DAQI)", "Average air quality (4-6 DAQI)", and "Fresh air (1-3 DAQI)". A "SET ALERT" button is at the bottom.
- Screen 2: Fresh Air (23 March)**  
Shows a character icon and the text "Fresh Air. The air quality is good. Enjoy your usual outdoor activity." Below are weather details: 12°, 83%, and wind speed 18km/h.
- Screen 3: Average Air (23 June)**  
Shows a character icon and the text "Average Air. If you have lung or heart problems consider reducing strenuous physical activity, particularly outdoors. If not, carry on as usual." Below are weather details: 19°, 2%, and wind speed 5km/h.
- Screen 4: Poor Air (23 July)**  
Shows a character icon and the text "Poor Air. If you experience sore eyes, a cough or sore throat, or you suffer from heart or lung problems, you should consider reducing outdoor activity." Below are weather details: 17°, 19%, and wind speed 12km/h.
- Screen 5: Very Poor Air (23 August)**  
Shows a character icon and the text "Very Poor Air. Reduce physical exertion, particularly outdoors, especially if you experience symptoms such as cough or sore throat." Below are weather details: 17°, 19%, and wind speed 12km/h.
- Screen 6: Lucerne (11:25 AM)**  
Shows the location "Lucerne" with the temperature "12°" and "Partly Sunny". It includes a "13°/11°" link and a "VIEW AIR QUALITY UPDATE" button.
- Screen 7: Sydenham, London (11:25 AM)**  
Shows the location "Sydenham, London" with the temperature "12°" and "Partly Sunny". It includes a "13°/11°" link and a "VIEW AIR QUALITY UPDATE" button. The screen also features a search bar and a placeholder "Enter your location".

The screens demonstrate a consistent design language with a blue header bar, white background, and a clean, modern aesthetic. The air quality levels are visually represented by icons of people in different states of health and activity, which is a key element of the "Cirrus: find fresh air" branding.



Thanks for reading!

