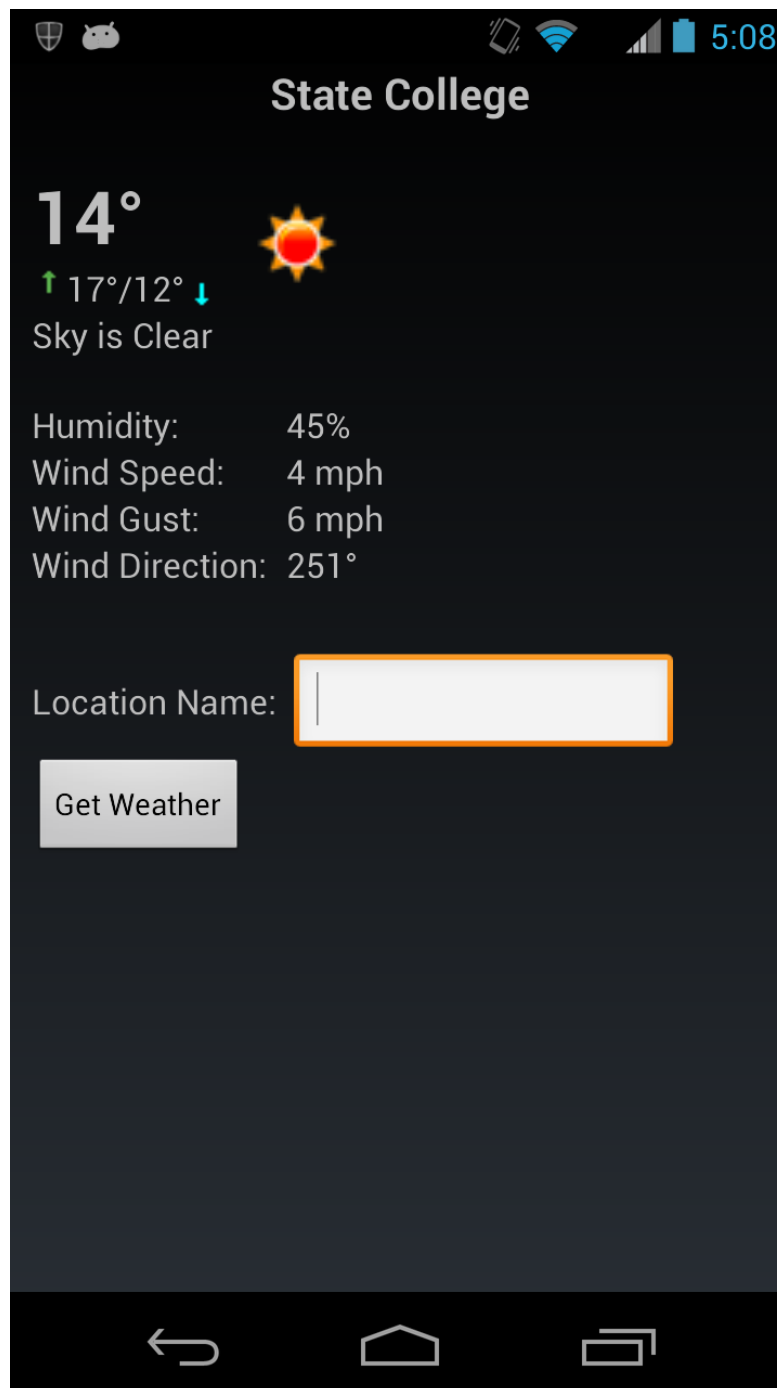


## Interview Programming Challenge

The goal of this challenge is to create an Android app that displays the following UI:



The content that is displayed in the app is available at the following urls:

**Current Conditions:**

<http://api.openweathermap.org/data/2.5/weather?mode=json&units=imperial&q=State%20College>

- The “State%20College” text in the above url indicates the location name for which weather data will be displayed in the app. If the user wants to see the current conditions in London, the url for this data would be  
<http://api.openweathermap.org/data/2.5/weather?mode=json&units=imperial&q=London>

**Daily Forecast:**

<http://api.openweathermap.org/data/2.5/forecast/daily?mode=json&units=imperial&cnt=1&q=State%20College>

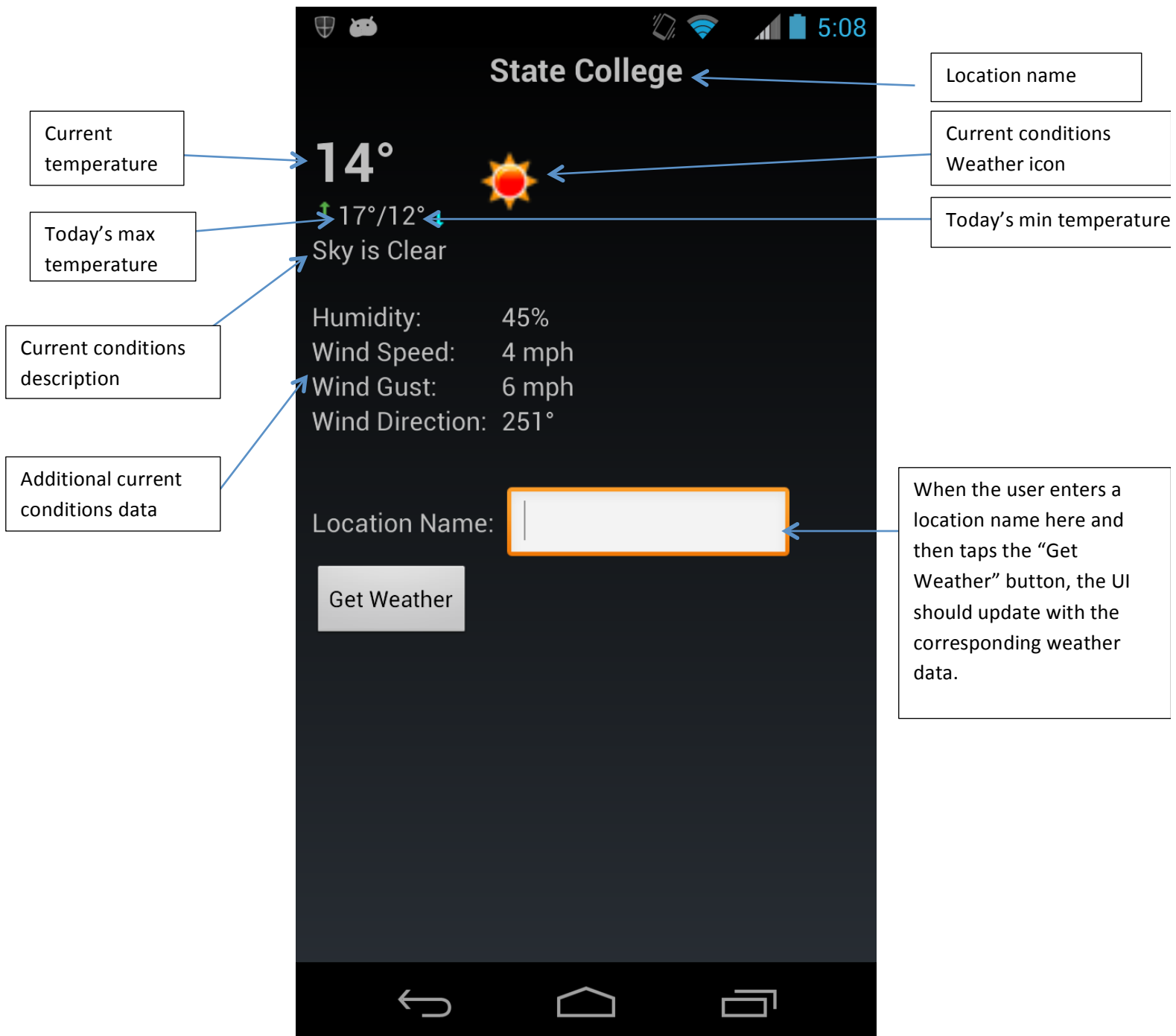
- As in the Current Conditions url, the “State%20College” text in the above url indicates the location name for which weather data will be displayed in the app. If the user wants to see what current day’s forecast for London, the url for this data would be  
<http://api.openweathermap.org/data/2.5/forecast/daily?mode=json&units=imperial&cnt=1&q=London>

**Current Conditions Weather Icon:**


<http://openweathermap.org/img/w/01d.png>


- Note that the “01d” in the above url is a dynamic value that is present in the Current Conditions JSON feed listed above. This is the value of the “icon” property in the JSON. If the icon value in the JSON response is “02d”, for example, then the url of the icon to display in the app would instead be <http://openweathermap.org/img/w/02d.png>

The following screenshot explains what each UI element in the app represents:



The only additional icons required for this project are the temperature max/min icons:

Max: 

Min: 

To save the icons to your computer, right-click each icon and select “Save as Picture”.