Week 6 weather application assignment

* The application asks the user on load if they would consent to their location being tracked, if the user selects yes then the application will load their local weather.
* The user can enter in a city which they are interested to know the weather forecast for. The application will load the result for that days; temperature, humidity, wind speed and Uv index as well as an icon. For the 5 day forecast the user is supplied with the; date, time, humidity and an icon.
* The user can select to see their local weather at any time and can clear the application to start again.
* Any city which the user has searched for will be stored as a button to be redisplayed at any time.
* There is also a clear button if the user wishes to clear all the information and start again.

The initial release as seen below I developed basic functionality and weather call – (5 hours)

A screenshot of a cell phone

Description automatically generated

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Description automatically generated

* The next stage was implementing forecast – (3 hours)
* Implementing the image icons – (6 hours) *took longer than anticipated as there were some unexpected bugs*
* Local storage and geo location tracking - (6hours)
* design improvements and debugging - (1 hours)
* Readme file and testing - (1 hour)

Total build time approximately 22hours

The unresolved issues include:

* loading the last city that has been searched for. I can retrieve the last city searched for as a value from local storage but I am unable to then use that value as a parameter into my functions for displaying the weather and forecast functions.
* the buttons repeat the name of the city if the user enters it, this would require me to research this subject in greater detail.
* if the user clicks too many times the ajax response breaks down, so implementing a disable function while the ajax response is loading.

With more time some additions I would be interested to add to the project

* Displaying the forecasts in a carousel and other design improvements
* As the time forecasts are available through the API allowing users to select the time which they would like to know, with a dial or maybe a box check