Climate-forecast Algorithm

1. When the user visit the website for the first time, the site intro containing the link to the climate info page, navigation menu, and website hero will be rendered.
2. When the user visit the climate info page for the first time the website request to use the location of the user programmatically and retrieving from the response sent back to the site if the user allow the site; the longitude and latitude and then storing them in the browser localStorage.
3. But if the user deny the location usage request, an alert window is sent to notify the user of his/her action perhaps it might be a mistake.
4. Together with the incomplete weather api, the saved longitude and latitude are appended to form a complete url.
5. The constructed url is use to fetch the real-time climate data and from the response gotten back from the api, humidity, temperature and pressure are filtered and processed.
6. Base on the processed filtered response, a recommendation is computed and rendered together with the processed data on the page.