LightFeedback

Introduce yourself and the application

- **Name**

- **Application name**

- **Purpose**: **The purpose of LightFeedback is to provide the user with light based weather notifications.**

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Problem: The problem I set out to address was that of how do I know what weather I will be greeted with when I walk out my door and how do I dress for the day ahead?

I know most of you are probably thinking that we all have weather apps a touch away on our phones. However, if you're, like me, you have trouble looking at a temperature value and knowing what it will feel like. How do I know I will be comfortable outside? The goal of the light based notifications, you will be able to discern how to dress.

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Solution: The gist is that when you begin your day, you will be informed of the current temperature and weather conditions. If it is cold out the light will flash a deep blue, if it is raining the light will flash a darker hue of white. If it's December 31st and New York City decides to be 80 degrees outside, the light will flash an orange/reddish hue.

How? My application makes use of the Philips Hue API to control the light, the Weather Underground API to gather the weather data, and the Google Maps API to find the user's geolocation.

The back end and database of this project was building using Node.js, Express, PostgresQL, and Knex.

The front end was built using JavaScript, jQuery, HTML5, and MaterializeCSS

- Currently, the website has base functionality where you can look up your location and get the color for the current temperature and weather conditions.

- However, my wish for the future of this project is to build the functionality into the software where you can customize the colors based on your preferences and then set a time to receive these notifications.