

Project 4 Write Up

Working on this project was different because we were already given a working program. The task was to improve it. After copying the code from zybooks to Sublime, I was able to view the site on Firefox. It was working great but it was not very pleasing to look at. I figured I could easily put it onto a nice free Bootstrap theme. Working with Bootstrap the 3rd time around was quite simple and enjoyable. I had fun working with the theme and removing the things that were not necessary and things compiled nicely. Now I was not satisfied that I had this pretty website and could hardly understand how the javascript worked and how the weather API was queried. So I spent a great deal of time reading the Javascript code and figuring out how it worked until I was confident that I could add to the functionality of it. I printed the entire returned JSON from the weather API and realized that it gives more data than is shown on the site. So, I decided I would also print the sunrise and sunset times for each city. After finding some nice jpg's and figuring out how to convert Unix timestamp (which was a very interesting read) to normal 24 hour time, I got everything working. I then added a column to the data tables to indicate the rows were the high and low temperatures and centered everything with css. I'm proud of this work and I hope to get more experience with API's. The openWeather data was from an API right? If not then I guess I still do not understand what an API is...