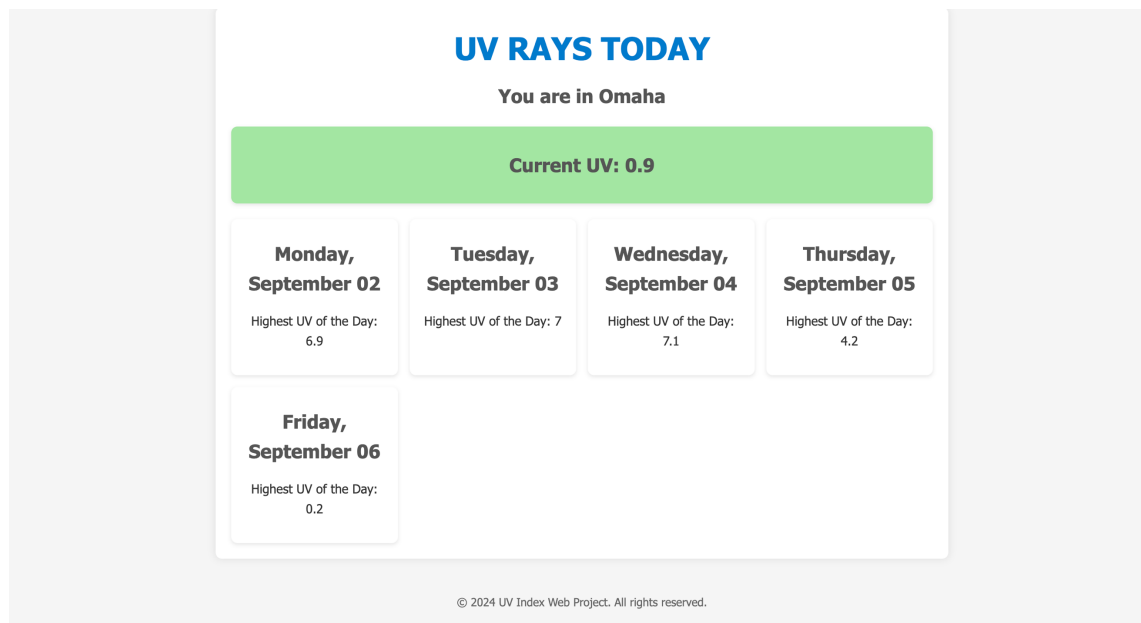


UV Index Website-Flask

Summary: Using **Python** and its sub-frame web development package **Flask** I developed a website that retrieves your location (city, longitude and latitude) and uses it to retrieve the current UV (Ultra Violate Rays) from that area using a scale of 1(low) to 11(high). This information is retrieved from Current UV Index's API (<https://currentuvindex.com/api>). Apart from displaying the current UV scale it also displays a forecast of the highest UV rays of the next 5 days a long with their dates. If the current UV is bad then the box turns red and if good its green. This was also retrieved from the **API**. This is displayed in an **HTML** file that serves as the website as seen below:



Goal/Purpose: I wanted to see if I could build a web page for something I would actually use. I care a lot about sun rays due to the sensitivity of my skin. So, I developed the website in order to bring me an easy and clean access to information mostly since UV or weather web pages are infested with ads and nonsense that makes it hard to find what you are looking for. The result was this.

What I learned:

- Extracting different types of information out of an API
- Getting my/users current location (city, longitude, latitude)
- Learning HTML, from learning how to write it and implementing it to displaying it.
- Transfer of information from source code to HTML
- Adding colors to HTML file
- Font size manipulation in HTML

Needed Improvements: I need to make my websites visually appealing/prettier.

