

Samra and Moreno Real Estate





Project Background

- The inspiration behind making a cost-of-living calculator was both of us graduating this Spring with our jobs being out of state.
- This would help us visualize how these other states would compare to California which we had both lived in our whole lives.



Design Concepts



- The web page is hosted on Apache running on Debian. The program will be written in PHP, manipulating the data inputted by the user by retrieving the state's Cost Index from a MySQL database and running it against the user's Desired Location Cost Index
- On the frontend, users can input their current annual income and the site will calculate the cost-of-living comparison between the two states. Users will be shown a drop-down selection of their current state and the state they are comparing to.
- This will be set up through HTML and submitted via a POST request, which will then be used by our PHP file to display the new Salary. This will essentially be calculated by finding the difference between the current locations cost index and the new locations cost index and multiplying it against the user's salary. This will then result in the new location's salary with the adjusted cost of living.
- MySQL backend will include the metric cost of living from the research gathered from the Missouri Economic Research and Information Center. Including every State and its cost index. The table will include several items/rows as States and their columns/values as the cost index.

Pseudo-Code

- currentstate = POST(currentstate)
- desiredstate = POST(desiredstate)
- userSalary = POST(salary)
- currentCI = mysql_fetch(currentstate)
- newCI = mysql_fetch(desiredstate)
- newSalary = userSalary(((newCI-currentCI)/100)+1)
- echo "This is the Salary" . newSalary . "!!"



Challenges and Lessons Learned

- Originally, we would be making changes within the CSS file with either vim or nano and then compile it. We eventually started using chromes developer tools to see changes in real time.
- We originally were using inline CSS, however found it hard when making multiple changes on the html/php file. Decided to use a dedicated CSS file instead.



Walk Through

