

Report: Design Choices

Hierarchy

The homepage.html is the main startup/home page, the courses.html page lists 10 courses with relevant information, the tutorials.html contains all the tutorials for courses listed in the courses.html page, the contact.php contains the contact form and the resource.php contains some included resources with option to upload and display other resources.

Overall Layout of the website

Every page follows the same format of Header, Content, Footer. The header is where the nav links are located which clicking on the respectful link will take you to the respectful page. This navigation and how it looks in terms of styling is similar to the styling I had for previous examples except I also included a styling for .current which makes it to where the current page that you're on, the respectful nav link that reached that page is a different colour, indicating the user/viewer is at that page. The footer is simple with a copyright label of "2024 Computer Science Hub".

The extra detail is that on the corners of every page is the Computer Science Society logo image, just to give it more flair and prevent the page from looking boring with words and information.

Home Page

For the home page, I decided to keep it simple yet flashy. The home page is basically 2 sections within the main content. The first one being a simple introductory screen and the second one shows the latest news and updates. The colours are gold and blue respectively, which are the colour of the computer science society logo which also blends well with the theme of the page being computer science.

Courses Page

This one is just information heavy as it just contains a table with information about 10 courses. Apart from the standard stuff meant to be included in the table such as course name, instructor, and schedule, I also included extra to give the page more appeal and more informative regarding the matter of courses such as course code and semester availability in fall, winter, and summer. The availability of the 3 semesters for each course is denoted with a green checkmark being "available" and a red x being "not available". The way I have done this is by using special characters recognized in html with respectful classes for each of these characters, which just sets the color. The checkmark character is represented by "✓" and the x character is represented by "×".

Tutorials Page

The tutorials page is also relatively simple. At the top of the page is the search bar which when typing in, will automatically filter and display the tutorial links that matches whatever that

been written on the search bar. Below that, lies all the tutorials given in a list of sections for each course. Each section has information regarding what is this tutorial section about and what is found in it, such as all the links. The links are either some external website and/or some YouTube video to help the students on some proper guide or tutorial for their respected courses.

As extra, in the search bar there is an x that when clicked, it will clear the search bar like a traditional standard search bar. The search bar functionality is implemented via JavaScript functions.

Resources Page

This page format is a bit different compared to the other pages. It was originally meant to be like the tutorials page, but it would've looked too simple and similar to the tutorials page which I didn't want as I wanted every page to look different. This page is also a php file and not a standard html file because due to using other php files to handle file upload and display, the main page file also must be php, so the display is working correctly as that uses php. So, at the top of the page is the upload file form where we can choose to upload a file to display onto the resources section. This will be shown under the "Uploaded Resources" header. Below are the main resources that are listed by default that are not related to the courses but rather computer science in general and some useful sites to gain more information for a particular topic as a computer science student. The resources are listed as a grid pattern which utilizes a display flex and wraps around with each cell appearing in a block. This makes the page look unique and different and to add some more style, there are 3 images, so the page doesn't look empty.

When uploading the file, it is important to note that this only allows proper documents the professor(s) can upload i.e., PowerPoints, word documents and pdf are the only ones allowed, all other file type will not be uploaded and displayed. The display part works as, after a file has been uploaded into the upload target directory, the display function will take those files and display them as a grid under the Uploaded Resources section much like the regular Resources section. Only difference, the title is the name of the file, and the link would be the downloadable link if you wish to download the file itself. Also, the upload and display functions are handled separately as php files.

Contacts Page

This page is also relatively simple as the only thing on the page is the form itself. To make it look better and to add something else, I added an image of a contact email icon at the top with the main header. The main contact form follows the same format as the previous assignments with form validation with the use of JavaScript and now also form processing with the use of php. Other than that, there is nothing else to it, as it is designed as a simple contact form page.

The page itself, however, is also a php file again due to using php files such as form processing, the page itself where the form is located must be a php file. Also, an important thing to note is that the processing form sets up an SMTP php mailer which will process the form and send in format to the respective email address mentioned.