How I created the Website

Three steps for studying biology

Multimedia for Education

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I decided to create a website about biology. It’s a little different from what I first thought of the website, but I’ve completed the whole framework. I used HTML, CSS, and Javascript to make website, and the contents of the website were referred in the book “Campbell Biology concepts and Connections 9th Edition”. I tried my best to use the Flash Professional CS6, but I didn’t get a satisfactory result. Take that into consideration and look at my website. Now, let me explain how the website was created.

First of all, ‘index.html’ file is the first page of this website. I made a separate CSS file and imported it. At the script part, I used random function to make a function that changes the background image. And the body part, I put the button on the top of the website. This button helps to change the background image. I found the picture on Pinterest. The top of the web page is <div class=”header”>, the middle is <div class=”contents”>, and the end is <div class=”footer”>. The <div> tag defines a division or a section in an HTML document. At the top, I put a brief introduction to the page, and the image in the header I drew. In the middle, I created sections that could be moved to different pages for study. I made only Chapter 1, but the rest will be similar to Chapter 1. On the bottom, I wrote that it was my project.

Second, ‘studyone.html’ is study step of chapter one. At the script part, I made a function that display or not the detail of the image. The body part, I put in a video of heart beating. I made this video using Flash, and I failed to publishing so I put swf file on website. At the contents part, I uploaded YouTube video using the iframe tag. Then I put in the image, and the description of the image was usually invisible, but there is a button to make it visible. I'd like to put in an animation about the content, I tried to put it in using createjs and canvas. But I failed, and my best was a picture of heart. I made a button at the bottom so I could move on to the next step or go back to the first page.

Next, a ‘learnone.html’ is learn part of chapter one. This page shows a summary, so I used many list tags to give a brief of important contents. The other part is the same as the study page. A ‘testone.html’ is the page that can test your memory. At the script, this function compares the input value with the stored value to see if you are right or wrong, and print out how many mistakes you’ve made. I wanted to add a function to tell you which question was wrong, but I couldn't make it because I lacked skills. The function was activated through the score button at the bottom. The other part is the same as the learn part. The answers to these questions are diastole, systole, present.

Finally, ‘style.css’ is a file that collects the design of this website. ‘::selection’ part is to design the shape when dragging with the mouse. The ‘a:link/visited’ part set the writing to not turn blue even after a visit to the site, and the ‘a:hover’ part to change when the mouse is raised. There are two types of buttons, both of which change color when the mouse is raised. The difference between these two buttons is the positioning. The second button is located on the right side of the page using ‘float’ function. Page shapes used the functions Margin, Padding, Width, and Height. Span is a highlight function, and I designed the highlight color. I used many list tags, so various settings were added depending on the location of the list.

I used a classic twin to express heart’s movement. And I wanted to do publish to html, but I failed. I do my best, but I published an html that only works when you have a swf file. I put the swf file inside the html because it was difficult to put the html in the html.

Through the website, students can refer to videos and photos that are useful when studying, and memorize them efficiently through a summary. And you can check what you have studied through the test. My web page description is finished, and although I made only one chapter, please enjoy it.