

Group: LCL

Chris Hsu, Yuyi Liu, Louie Wang

Project name: Website of Disease Prevention

- HTML pages that validate
 - Main page, What is disease prevention, Research, Useful links, and Contact_us pages. (other sections are using .php files)
- Cascading Style Sheets that validate
 - Each section has its own CSS file (with a universal general layout for the pages, such as navigation bar and footer)
- JavaScript front end form verification
 - In the Contact_us page, we used JavaScript to detect: first, the format of email input (have to include “@”); and second, alert the user if there’s at least one empty field when he/she hits the submit button
- Dynamic HTML features
 - Interactive picture slideshow in the news section
 - Clickable images in the Research section (click to view different articles)
- PHP script to process form data
 - In the Contact_us page, we collected the user’s answers from the questionnaire, both to a database (sensitive information such as email) and an ASCII file (subjective information).
- MySQL database back end
 - In the “Infectious Diseases Information” page, we used a MySQL database to store disease information.
 - In the Contact_us page, we use a MySQL database to store the user’s name and email information they submitted in the questionnaire.
- PHP interface to the MySQL database
 - Information about diseases are stored in a MySQL database. When the user clicks on buttons on the “Infectious Diseases Information” page, PHP interface is used to retract information from the MySQL database and display the information.
 - After the user submits the questionnaire, we redirect the user to a thank-you page using PHP and at the same time, insert the information to the database.
- Maintain state in transactions
 - When the user clicks “More information about (disease name)” on the “Why disease prevention?” page, we used a cookie to store the disease name in order to maintain state in transactions. This way, when the information page loads, the website will still remember the name of the disease that the user wants to learn about.
- Set and read cookies
 - When the user clicks on “More information about (disease name)” on the “Why disease prevention?” page, a cookie will save the name of the disease that the user wants to learn about. Then it will load the “Infectious Disease Information” page. The webpage will

read the disease name stored in the cookie and display information about that disease automatically. If the user navigates to the “Infectious Disease Information” page from the navigation bar, he or she would need to click on the buttons to display information about a certain disease.

- *Annotated* links to other related web sites
 - Main page, clickable image linked to a video about infectious disease
 - Research page, clickable image links to redirect the users to the websites as described by the logo image
- Include AJAX application
 - In the news section, users can use buttons to choose news about certain diseases and AJAX will show the news without refreshing the page
 - In the “Infectious Disease Information” page, when the user clicks on the buttons to view information about a certain disease, AJAX is used to show the information without refreshing the page.
- Include audio and / or video files
 - In the “Why disease prevention?” page, we included a YouTube video using the iframe tag.
 - In “What is disease prevention?” page, we included two YouTube videos using iframe.