

Homework 6: Server-Side Scripting

Grading Guidelines

Graders will test your homework **only on Firefox**.

Grading Guidelines:

Search Form (2.5 points in total)

- The initial webpage with proper fields and defaults in the search form, along with “Forecast Search” header. (1 point)
- **Javascript validation** for the search inputs (0.5 point)
 - If one of the required validations are missing, 0.5 point will be deducted
- “Clear” button clears all input textboxes, radio buttons, drop box, and the search results. (0.5 point)
- The “Search” button, the page maintains the previous input values (0.5 point)
 - If your page fails to maintain the value of one of the fields, 0.5 point will be deducted

PHP script (7.5 points in total)

- **Result table:** (1.5 points)
 - Showing all weather information in tabular format as described in the homework description (1.5 point)
- **Display the weather information correctly:** (6.0 points)
 - Display Summary and Temperature in correct format (1.0 Point)
 - Display the proper icon based on the data retrieved (1.0 Point)
 - The icon should be matched with a proper tooltip
 - Display precipitation among these values (None, Very Light, Light, Moderate, and Heavy) (1.0 Point)
 - Display Chance of Rain and Humidity in correct format (%) (1.0 Point)
 - Display Wind Speed, Dew Point and, Visibility in correct format (1.0 point)
 - Display Sunset and Sunrise in correct format (HH:MM AM/PM) (1.0 Point)

Source code submission:

Students should submit their source electronically to csci571 account so that it can be graded by graders and compared to all other students' code via the MOSS code comparison tool. In addition, on your course homework page, you **must** update HW6 link to refer to your new hw6 PHP page.