

CS 456, Spring 2009

Assignment #5

Winners!

Due 3/23/09, in class

Assignment

Create a web page that can report a score table (perhaps from say a *Snake* game?) or any other data file at the click of a button. The server should return to the user as an XHTML document in which integers appear in blue, floats in green, strings of alpha-numeric data in forest green, and all other data in black. The CGI program that builds and returns this page must be written in Perl and use CGI.pm as well as Perl patterns to separate the four types of returned information (integers, floats, alpha-numeric strings, and other).

Grading

Similar to Assignment 4, the above requirements will be graded out of 85 points. You can then add zero or more of the following:

For 5 points

Store the user's name from session to session in a cookie.

For 10 points

Provide a form with three entries that allow the user to type in a pattern and color. Return information that matches the pattern in the provided color. For example, the using the pattern "sponge bob" with "yellow" would cause all occurrences of "sponge bob" to appear in yellow (of course).

For 5 points

Provide a mechanism to allow the user to add and remove pattern-color pairs from the form.

What to hand in

- (1) A 2-up copy of your web page (front and back ends).
- (2) Email me the URL for your web page and a tar ball named `<your-account-name>.tar.gz` that includes the source and two of more annotated screen shots showing off how well your program works.

Notes

- (1) Focus on learning new things about Perl programming.
- (2) For this assignment you again get to work alone.
- (3) `man xpaint[1]`.
- (4) Here is an example data file (in case you can't think of one of your own :)) The first line is a header.

```
player password score level
bill R*R$#^^3 100.52 4
sally aybrbtu#$$ 22.33 2
jane **xyzzzy 212.1 7
```

Write out how this should be displayed before trying it.