Due on 2020-02-29, 23:59 IST

NPTEL » Modern Application Development

Assignment 03

Assignment for Week 3

In the lectures for week 3 we saw how the command line version of the fairShare program was modified to produce the output as an HTML page. Also, the lectures only discussed how the output can be made via the HTML system. The details of processing the input will have to wait till the end of next week.

As a programming assignment this week, you will change your command line version of the program you wrote in week 2. Your program must now produce output as a web page. Use the HTML5 standard. This HTML output file must be presented using the CSS system. In particular, ensure that the presentation of the HTML page on the screen of your computer is controlled by the CSS.

Evaluation

You can validate the output of your program using the following links:

 HTML Validator CSS Validator

Your assignment will be evaluated offline, and will be validated in a manner similar to the sites above. Hence, you will not get immediate feedback about your score when you submit your code. You will only be able to see whether your program compiles correctly.

You should use the validators above to ensure that your programme produces is valid HTML and CSS. To test your program, you can use the sample inputs for Assignment 02:

Assignment 02 Sample inputs

The next assignment will add basic input capabilities to this assignment.

Sample Input

```
register f1 f2 f4 f5
expense f4 127
expense f1 89
expense f4 529
expense f3 327
expense f2 208
report f3
report f5
end
```

Sample Output

Sample HTML only and HTML+CSS outputs are shown below. These are only indicative. Your design may vary.

· HTML only output

The FairShare System.

Welcome. This is the command line version of the FairShare application with HTML+CSS output.

Roommate Registrations

Registered Roommates are:

1. f1 2. f2

3. f4 4. f5

Number of Roommates: 4

Expenses record

1. f4: 127.0

2. f1: 89.0

3. f4: 529.0 4. Error:

5. f2: 208.0

Report

1. Error: 2. f5: -238.25

The Database

```
Number of Roommates
Number of Events
Number of Database entries 04
Event # f1 f2 f4 f5 f1
      0.00 0.00 127.00 0.00 - 31.75 - 31.75 95.25 - 31.75
      89.00 0.00 0.00 0.00 66.75 -22.25 -22.25 -22.25
      0.00 0.00 529.00 0.00 -132.25 -132.25 396.75 -132.25
      0.00 208.00 0.00 0.00 -52.00 156.00 -52.00 -52.00
```

. HTML+CSS output

The FairShare System.

Welcome. This is the command line version of the FairShare application with HTML+CSS output.

Roommate Registrations

Registered Roommates are:

1. f1

2. f2 3. f4

4. f5 Number of Roommates: 4

Expenses record

Number of Roommates: 4

Expenses record

1. f4: 127.0

2. f1: 89.0 3. f4: 529.0

4. Error: 5. f2: 208.0

Report

1. Error: 2. f5: -238.25

The Database Number of Roommates Number of Events Number of Database entries 04 Event # f2 f4 f5 f1 f2 -31.75 -31.75 0.00 127.00 0.00 -31.75 95.25 0.00 02 89 00 0.00 66 75 -22 25 -22 25 -22 25