

# WebApp Development: HTML CSS

2 II 2018

Allotted time: 90 minut. You have to send the solution <i>before</i> 11:50. Points total: 25
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## 1 Sending the solution

Pack all (.html i .css) files into zip and name it by replacing login with your lab login. `login.zip`.

Send email:

To: jan.karwowski@mini.pw.edu.pl

Subject: [WebApp] HTML3 2017

Attachments: `login.zip`

Empty message body.

## 2 Task: the rainbow side of the Internet

You have to write an HTML document and accompanying CSS, that will look like the one presented in figures 1 and 2.

### 2.1 General requirements

The solution have to consist of only html and css files. You can use images attached to the task file, but you may not modify them. Use proper semantic markup when writing html and avoid use generic markup element (like div) if it is not necessary. You document must be a valid HTML5. You have to use sophisticated css selectors instead of defining specific identifiers and classes if possible. You may not define html elements that that only serve for styling purposes.

You may not:

- use style attribute
- put your css stylesheet inline in html
- use `<br>`

### 2.2 Detailed requirements

1. `2 points` Page header has skyblue background, single horizontal row of clouds in the middle and black text. The shape has rounded corners and border like in the figure 1.
2. `2 points` Page background contains 4 rainbows fit perfectly to the window size. When the window is resized, rainbows are also resized, to they fit to the new window dimensions. When page is scrolled, the rainbows stay in place, i.e. all the time you can see 4 perfectly fitting rainbows in the background.
3. `2 points` If page width is less than approximately 30 characters, there is only one rainbow in the background, scaled to window dimensions.
4. `2 points` Document content blocks have semi-transparent pink background with double black border. First letter of block's heading is twice as large as the rest and green.
5. `2 points` Navigation panel is located in top-right area of page. It has black background and white text. The block stays in the window corner when page is scrolled.
6. `2 points` Links in navigation panel are always white.
7. `2 points` Cute animals contains a numbered list of animals

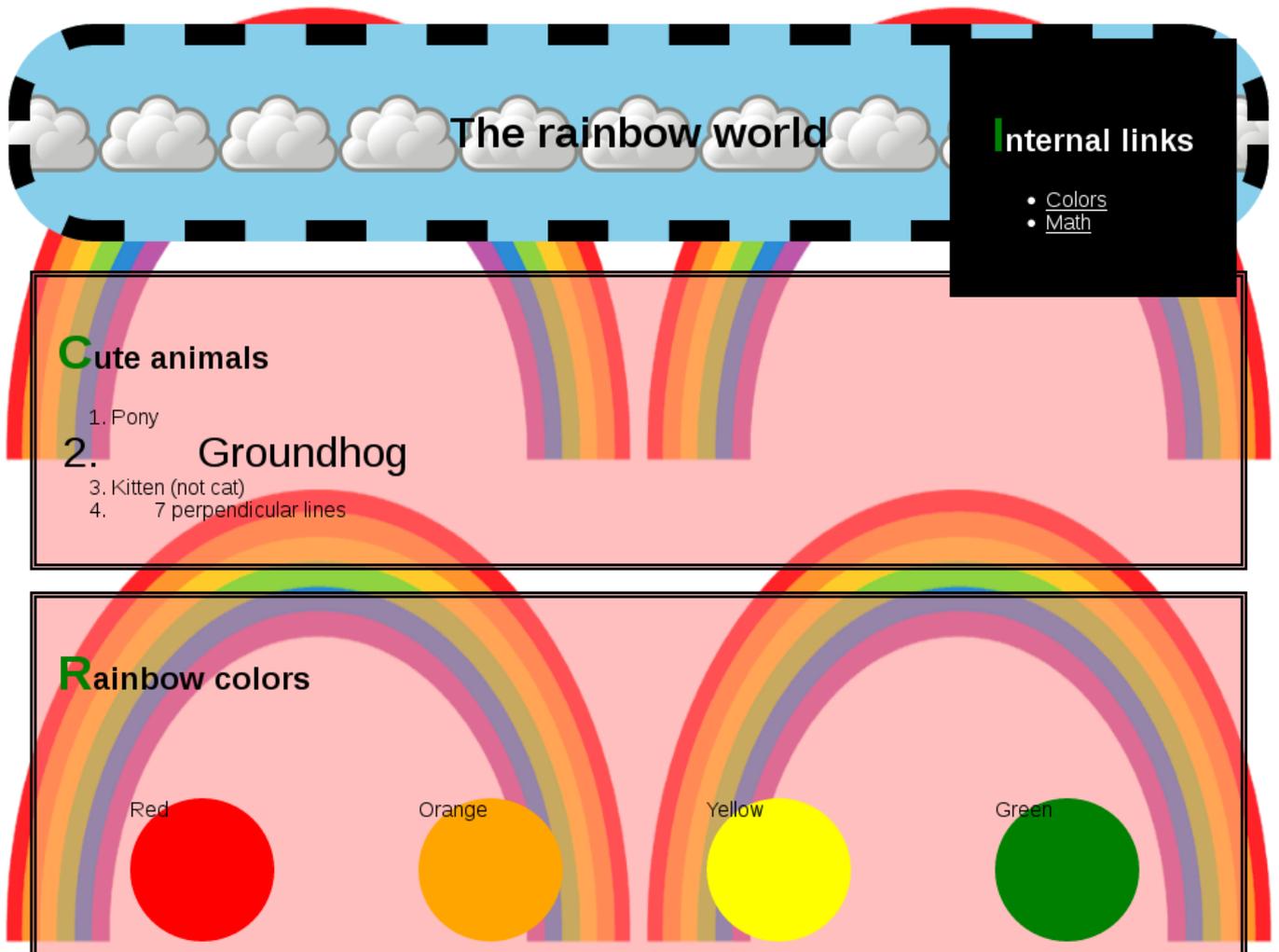


Figure 1: Page content – top

8. 2 points Second element of the list is twice as large as the rest. Even element are aligned visibly more to the right than odd elements.
9. 5 points Rainbow colors contains six circles, each in different color. Circle diameter is approximately of width of 12 average letters. Distance between circles is the same as diameter. The circles are wrapped to subsequent lines, with respect to window width, if they do not fit single line. Color names are put like in figure 2.
10. 2 points Block with mathematics expression contains properly formatted  $\lim_{x \rightarrow \infty} \sin(x) =$ , like in figure 3
11. 2 points There are three answers under the formula. Only one can be chosen at a time. Clicking on the answer text switches the answer as well as clicking on the box itself.

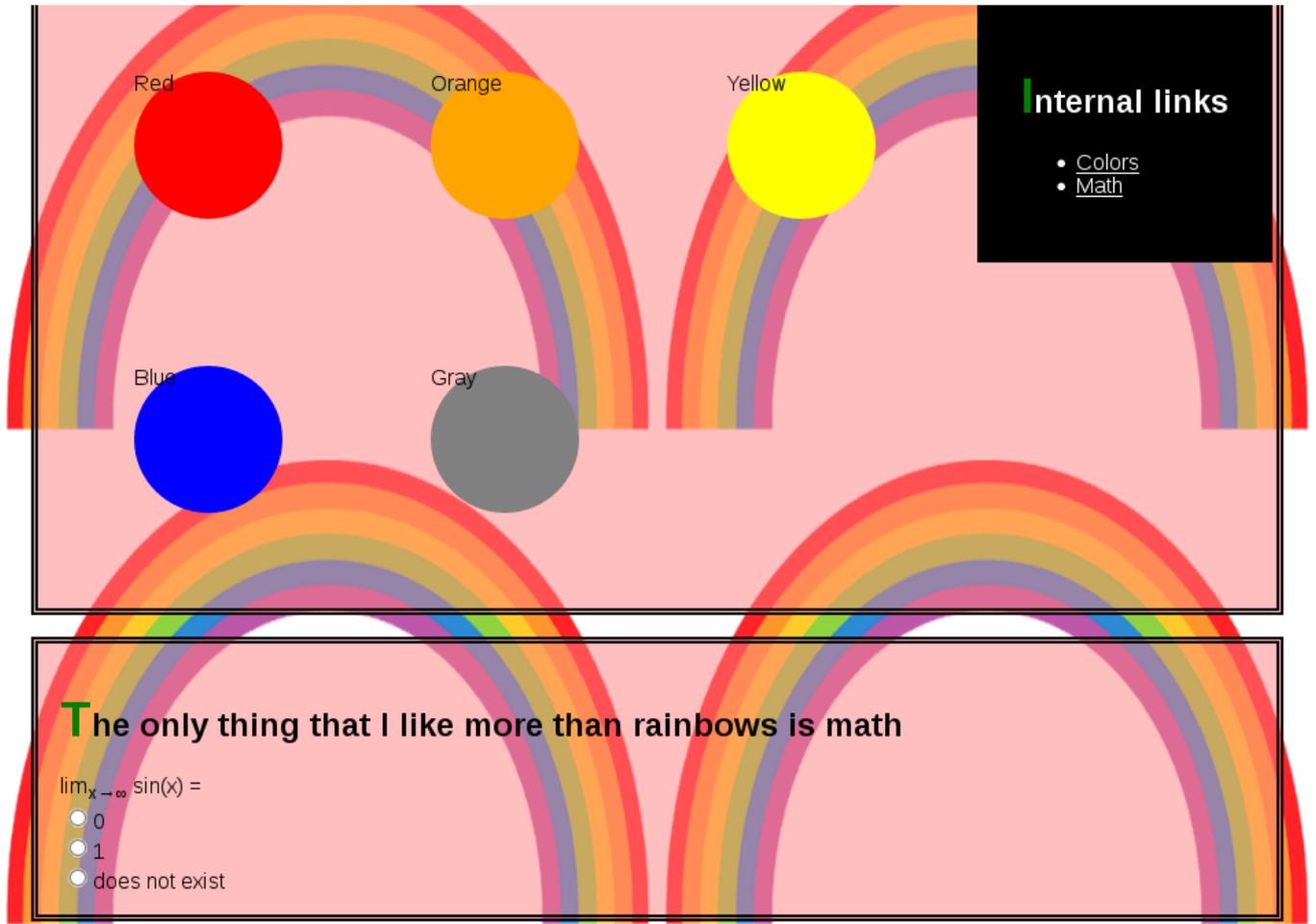


Figure 2: Page content – bottom

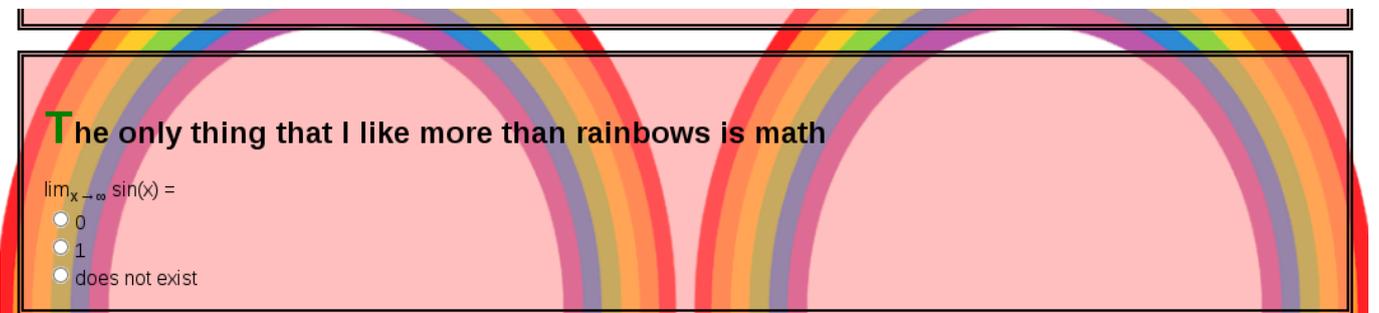


Figure 3: mathematical expression in block