

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

Дисциплина: Фронт-энд разработка

Отчет

Четвертая практическая

Выполнил:

До Ван Тхиен

K33401

Проверил:

Добряков Д. И.

Санкт-Петербург

2021 г.

Задача

Вынести все используемые ранее SVG-иконки в общий SVG-спрайт.

Ход работы

1. Файл `sprite.svg`


```
1 <svg display="none" xmlns="http://www.w3.org/2000/svg">
2   <symbol id="flash" viewBox="0 0 30 30">
3     <g>
4       <path d="M 24 1 L 11.853516 13.146484
5         C 11.538516 13.461484 11.762031 14 12.207031 14 L 15 14 L 10.683594 19.179688
6         C 10.412594 19.505688 10.642406 20 11.066406 20 L 13 20 L 7 29 L 18.146484 17.853516
7         C 18.461484 17.538516 18.237969 17 17.792969 17 L 16 17 L 20.316406 11.820312
8         C 20.587406 11.494312 20.357594 11 19.933594 11 L 17 11 L 24 1 z M 15 3
9         C 8.383 3 8.383 3 15 C 3 18.838 4.8188594 22.251219 7.6308594 24.449219 L 8.7382812 22.785156
10        C 6.4612812 20.950156 5 18.145 5 15 C 5 9.486 9.486 5 15 5
11        C 15.676 5 16.336609 5.0682656 16.974609 5.1972656 L 18.613281 3.5585938
12        C 17.472281 3.1965937 16.259 3 15 3 z M 22.929688 6.0175781 L 21.775391 7.6660156
13        C 23.752391 9.4940156 25 12.101 25 15 C 25 20.514 20.514 25 15 25
14        C 14.626 25 14.256578 24.975547 13.892578 24.935547 L 12.177734 26.650391
15        C 13.084734 26.870391 14.026 27 15 27 C 21.617 27 27 21.617 27 15
16        C 27 11.424 25.419687 8.2175781 22.929688 6.0175781 z"/>
17     </g>
18   </symbol>
19
20   <symbol id="superman" viewBox="0 0 30 30">
21     <g>
22       <path d="M22.968,5H6.882c-0.601,0-1.17,0.27-1.55,0.736L2.089,9.715c-0.615,0.755-0.597,1.843,0.042,2.577L11.317,12.99
23       c0.82,0.941,2.281,0.944,3.105,0.006L11.39-12.972c0.66-0.752,0.663-1.876,0.007-2.631L-3.472-3.996
24       C24.098,5.251,23.547,5,22.968,5 z M26.423,10.976c-0.959,1.106-1.919,1.926-2.878,3.089
25       c-1.25-1.684-2.709-2.421-4.481-2.421c-1.876-0.105-3.855,0-5.731-0.105 c-1.355-0.211-3.856-0.842-3.856-2
26       c0-1.263,2.292-2.21,3.335-2.421C13.185,7.047,13.569,7.012,13.95,7h0.467 c1.152,0.028,2.234,0.284,2.875,0.644
27       C18.96,8.486,19.377,9.842,19.689,11c1.459,0,2.852,0,4.311,0c0-0.796-0.044-2.097-0.044-2.831 L26.423,10.976z M5.205,12.696
28       c-0.298-0.351-0.62-0.677-0.943-1.003L-0.623-0.715L6.882,7h1.499 C5.495,8.492,4.592,11.148,5.205,12.696z M21.565,7.012
29       c-0.313,0.421-0.729,0.842-1.042,1.263c-0.313-0.421-0.729-0.842-1.355-1.263 C19.898,7.012,20.731,7.012,21.565,7.012z M7.437,15.338
30       c3.2,0.214,6.989,0.623,10.377,0.726c0.417,0,2.397,0.316,2.501,1.263 c-0.208,1.368-4.585,1.789-5.627,1.158
31       c-0.722-0.834-3.384-1.56-5.257-0.858L7.437,15.338z M11.978,20.38 c2.068,0.835,4.543,0.737,6.21,0.016L-3.185,3.628L-0.616-0.707
32       C13.583,22.336,12.809,21.386,11.978,20.38z"/>
33     </g>
34   </symbol>
35
36   <symbol id="batman" viewBox="0 0 30 30">
37     <g>
38       <path d="M 0.34765625 11 C -0.00634375 11 -0.12173438 11.478812 0.19726562 11.632812
39       C 1.9542656 12.475813 4.5126563 14.197328 4.2226562 16.986328 C 4.1666562 17.517328 4.6163906 17.974422 5.1503906 17.982422
40       C 7.7463906 18.010422 13.92 18.58 15 23 C 16.08 18.58 22.253609 18.018469 24.849609 17.980469
41       C 25.383609 17.972469 25.832344 17.516375 25.777344 16.984375 C 25.487344 14.195375 28.045734 12.474859 29.802734 11.630859
42       C 30.122734 11.477859 30.006344 11 29.652344 11 L 20.773438 11 C 20.338437 11 19.958516 11.293797 19.853516 11.716797
43       C 19.656516 12.512797 19.240047 13.71 18.498847 13.875 C 17.436047 14.125 16.394531 14.512219 16.269531 13.824219
44       C 16.269531 13.276219 16.146406 12.593031 16.066406 12.207031 C 16.048406 12.121031 15.926438 12.113266 15.898438 12.197266 L 15.5625 13.1875
45       C 15.5625 13.1875 15.438 13 15 13 C 14.563 13 14.4375 13.1875 14.4375 13.1875 L 14.101562 12.197266
46       C 14.073563 12.113266 13.951594 12.121031 13.933594 12.207031 C 13.853594 12.593031 13.730469 13.276219 13.730469 13.824219
47       C 13.605469 14.512219 12.563953 14.125 11.501953 13.875 C 10.759953 13.711 10.343484 12.513797 10.146484 11.716797
48       C 10.041484 11.293797 9.6635156 11 9.2285156 11 L 0.34765625 11 z"/>
49     </g>
50   </symbol>
51 </svg>
```


2. Файл `html`

```
<svg class="svg">
  <use xlink:href="/sprite.svg#batman"></use>
</svg>
```

3. Icons svg

Explore nearby 

Live anywhere 

Discover things to do 

Вывод

Узнал как выполнить используемые ранее SVG-иконки в общий SVG-спрайт.