

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ  
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

**Дисциплина:** Фронт-энд разработка

Отчет

Домашняя работа 4

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## Задача

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

## Ход работы

Для начала работы нам необходимо создать html-файл, в котором мы будем выполнять все действия:

*svg-sprite.html*

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>SVG Sprite</title>
</head>
<body>

</body>
</html>
```

Внутри тега body создадим элемент svg, который будет содержать контент спрайта:

*svg-sprite.html*

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>SVG Sprite</title>
</head>
<body>
<svg display="none">

</svg>
</body>
</html>
```

Скачаем три иконки в svg-формате:

*archive-add.svg*

```
<?xml version="1.0" encoding="utf-8"?><!-- Uploaded to: SVG Repo,
www.svgrepo.com, Generator: SVG Repo Mixer Tools -->
<svg width="800px" height="800px" viewBox="0 0 24 24" fill="none"
xmlns="http://www.w3.org/2000/svg">
<path d="M12 22C17.5 22 22 17.5 22 12C22 6.5 17.5 2 12 2C6.5 2 2 6.5 2 12C2
17.5 6.5 22 12 22Z" stroke="#292D32" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round"/>
<path d="M8 12H16" stroke="#292D32" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round"/>
<path d="M12 16V8" stroke="#292D32" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round"/>
</svg>
```

### *arrow-right.svg*

```
<?xml version="1.0" encoding="utf-8"?><!-- Uploaded to: SVG Repo,  
www.svgrepo.com, Generator: SVG Repo Mixer Tools -->  
<svg width="800px" height="800px" viewBox="0 0 24 24" fill="none"  
xmlns="http://www.w3.org/2000/svg">  
<path d="M8.91003 19.9201L15.43 13.4001C16.2 12.6301 16.2 11.3701 15.43  
10.6001L8.91003 4.08008" stroke="#292D32" stroke-width="1.5" stroke-  
miterlimit="10" stroke-linecap="round" stroke-linejoin="round"/>  
</svg>
```

### *add-circle.svg*

```
<?xml version="1.0" encoding="utf-8"?><!-- Uploaded to: SVG Repo,  
www.svgrepo.com, Generator: SVG Repo Mixer Tools -->  
<svg width="800px" height="800px" viewBox="0 0 24 24" fill="none"  
xmlns="http://www.w3.org/2000/svg">  
<path d="M12 22C17.5 22 22 17.5 22 12C22 6.5 17.5 2 12 2C6.5 2 2 6.5 2 12C2  
17.5 6.5 22 12 22Z" stroke="#292D32" stroke-width="1.5" stroke-  
linecap="round" stroke-linejoin="round"/>  
<path d="M8 12H16" stroke="#292D32" stroke-width="1.5" stroke-  
linecap="round" stroke-linejoin="round"/>  
<path d="M12 16V8" stroke="#292D32" stroke-width="1.5" stroke-  
linecap="round" stroke-linejoin="round"/>  
</svg>
```

Скопируем контент каждой иконки внутрь спрайта с соответствующим названием:

### *svg-sprite.html*

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>SVG Sprite</title>
</head>
<body>
<svg display="none">
  <symbol id="addCircle" viewBox="0 0 24 24">
    <path d="M12 22C17.5 22 22 17.5 22 12C22 6.5 17.5 2 12 2C6.5 2 2 6.5 2 12C2 17.5 6.5 22 12 22Z" stroke="#292D32"
      stroke-width="1.5" stroke-linecap="round" stroke-
linejoin="round"/>
    <path d="M8 12H16" stroke="#292D32" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round"/>
    <path d="M12 16V8" stroke="#292D32" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round"/>
  </symbol>
  <symbol id="archiveAdd" viewBox="0 0 24 24">
    <path d="M14.5 10.6499H9.5" stroke="#292D32" stroke-width="1.5"
stroke-miterlimit="10" stroke-linecap="round"
stroke-linejoin="round"/>
    <path d="M12 8.20996V13.21" stroke="#292D32" stroke-width="1.5"
stroke-miterlimit="10" stroke-linecap="round"
stroke-linejoin="round"/>
    <path d="M16.8199 2H7.17995C5.04995 2 3.31995 3.74 3.31995
5.86V19.95C3.31995 21.75 4.60995 22.51 6.18995 21.64L11.0699 18.93C11.5899
18.64 12.4299 18.64 12.9399 18.93L17.8199 21.64C19.3999 22.52 20.6899 21.76
20.6899 19.95V5.86C20.6799 3.74 18.9499 2 16.8199 2Z"
      stroke="#292D32" stroke-width="1.5" stroke-linecap="round"
stroke-linejoin="round"/>
  </symbol>
  <symbol id="arrowRight" viewBox="0 0 24 24">
    <path d="M8.91003 19.9201L15.43 13.4001C16.2 12.6301 16.2 11.3701
15.43 10.6001L8.91003 4.08008"
      stroke="#292D32" stroke-width="1.5" stroke-miterlimit="10"
stroke-linecap="round"
stroke-linejoin="round"/>
  </symbol>
</svg>
</body>
</html>
```

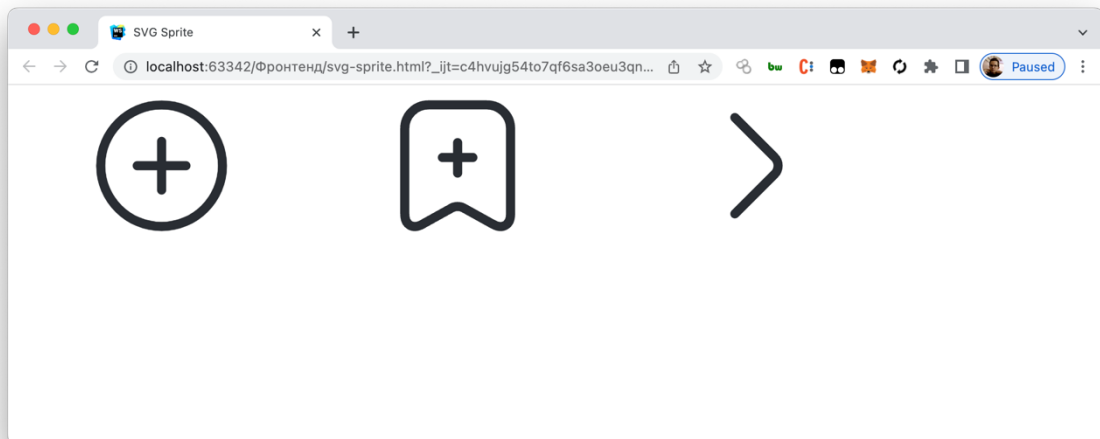
Для проверки создадим кнопки с иконками из спрайта:  
*svg-sprite.html*

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>SVG Sprite</title>
  <style>
    svg {
      fill: transparent;
    }
  </style>
</head>
<body>
<svg display="none">
  <symbol id="addCircle" viewBox="0 0 24 24">
    <path d="M12 22C17.5 22 22 17.5 22 12C22 6.5 17.5 2 12 2C6.5 2 2
6.5 2 12C2 17.5 6.5 22 12 22Z" stroke="#292D32"
stroke-width="1.5" stroke-linecap="round" stroke-
linejoin="round"/>
    <path d="M8 12H16" stroke="#292D32" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round"/>
    <path d="M12 16V8" stroke="#292D32" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round"/>
  </symbol>
  <symbol id="archiveAdd" viewBox="0 0 24 24">
    <path d="M14.5 10.6499H9.5" stroke="#292D32" stroke-width="1.5"
stroke-miterlimit="10" stroke-linecap="round"
stroke-linejoin="round"/>
    <path d="M12 8.20996V13.21" stroke="#292D32" stroke-width="1.5"
stroke-miterlimit="10" stroke-linecap="round"
stroke-linejoin="round"/>
    <path d="M16.8199 2H7.17995C5.04995 2 3.31995 3.74 3.31995
5.86V19.95C3.31995 21.75 4.60995 22.51 6.18995 21.64L11.0699 18.93C11.5899
18.64 12.4299 18.64 12.9399 18.93L17.8199 21.64C19.3999 22.52 20.6899 21.76
20.6899 19.95V5.86C20.6799 3.74 18.9499 2 16.8199 2Z"
stroke="#292D32" stroke-width="1.5" stroke-linecap="round"
stroke-linejoin="round"/>
  </symbol>
  <symbol id="arrowRight" viewBox="0 0 24 24">
    <path d="M8.91003 19.9201L15.43 13.4001C16.2 12.6301 16.2 11.3701
15.43 10.6001L8.91003 4.08008"
stroke="#292D32" stroke-width="1.5" stroke-miterlimit="10"
stroke-linecap="round"
stroke-linejoin="round"/>
  </symbol>
</svg>

<svg>
  <use xlink:href="#addCircle"></use>
</svg>
<svg>
  <use xlink:href="#archiveAdd"></use>
</svg>
<svg>
  <use xlink:href="#arrowRight"></use>
</svg>

</body>
</html>
```

В браузере откроем полученную страницу и увидим наши иконки:



## Вывод

В процессе выполнения домашней работы получены навыки работы с svg-спрайтами.