

**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

Был создан svg-спрайт:

```
<svg display="none" xmlns="http://www.w3.org/2000/svg">
  <symbol id="play" viewBox="0 0 16 16">
    <path d="m11.596 8.697-6.363 3.692c-.54.313-1.233-.066-1.233-.697v4.308c0-.63.692-1.01 1.233-.696l6.363 3.692a.802.802 0 0 1 0 1.393z"/>
  </symbol>
  <symbol id="pause" viewBox="0 0 16 16">
    <path d="M6 3.5a.5.5 0 0 1 .5.5v8a.5.5 0 0 1-.5.5 0 0 1-.5-.5z"/>
  </symbol>
  <symbol id="skipEnd" viewBox="0 0 16 16">
    <path d="M12.5 4a.5.5 0 0 0-1 0v3.248L5.233 3.612C4.693 3.3 4 3.678 4.308v7.384c0 .63.692 1.01 1.233.697L11.5 8.753V12a.5.5 0 0 0 1 0V4z"/>
  </symbol>
  <symbol id="skipStart" viewBox="0 0 16 16">
    <path d="M4 4a.5.5 0 0 1 1 0v3.248l6.267-3.636c.54-.313 1.232.066 1.232.696v7.384c0 .63-.692 1.01-1.232.697L5 8.753V12a.5.5 0 0 1-1 0V4z"/>
  </symbol>
  <symbol id="threeDots" viewBox="0 0 16 16">
    <path d="M9.5 13a1.5 1.5 0 1 1-3 0 1.5 1.5 0 0 1 3 0zm0-5a1.5 1.5 0 1 1-3 0 1.5 1.5 0 0 1 3 0zm0-5a1.5 1.5 0 1 1-3 0 1.5 1.5 0 0 1 3 0z"/>
  </symbol>
  <symbol id="thumbDown" viewBox="0 0 16 16">
    <path d="M8.864 15.674c-.956.24-1.843-.484-1.908-1.42-.072-1.05-.23-2.015-.428-2.59-.125-.36-.479-1.012-1.04-1.638-.557-.624-1.282-1.179-2.131-1.41C2.685 8.432 2 7.85 2 7V3c0-.845.682-1.464 1.448-1.546 1.07-.113 1.564-.415 2.068-.723l.048-.029c.272-.166.578-.349.97-.484C6.931.08 7.395 0 8 0h3.5c.937 0 1.599.478 1.934 1.064.164.287.254.607.254.913 0 .152-.023.312-.077.464.201.262.38.577.488.9.11.33.172.762.004 1.15.069.13.12.268.159.403.077.27.113.567.113.856 0 .289-.036.586-.113.856-.035.12-.08.244-.138.363.394.571.418 1.2.234 1.733-.206.592-.682 1.1-1.2 1.272-.847.283-1.803.276-2.516.211a9.877 9.877 0 0 1-.443-.05 9.364 9.364 0 0 1-.062 4.51c-.138.508-.55.848-1.012.964l-.261.065zM11.5 1H8c-.51 0-.863.068-1.14.163-.281.097-.506.229-.776.393l-.04.025c-.555.338-1.198.73-2.49.868-.333.035-.554.29-.554.55V7c0 .255.226.543.62.65 1.095.3 1.977.997 2.614 1.709.635.71 1.064 1.475 1.238 1.977.243.7.407 1.768.482 2.85.025.362.36.595.667.518l.262-.065c.16-.04.258-.144.288-.255a8.34 8.34 0 0 0-.145-4.726.5.5 0 0 1 .595-.643h.003l.014.004.058.013a8.912 8.912 0 0 0 1.036.157c.663.06 1.457.054 2.11-.163.175-.059.45-.301.57-.651.107-.308.087-.67-.266-1.021L12.793 7l.353-.354c.043-.042.105-.14.154-.315.048-.167.075-.37.075-.581 0-.211-.027-.414-.075-.581-.05-.174-.111-.273-.154-.315l-.353-.354.353-.354c.047-.047.109-.176.005-.488a2.224 2.224 0 0 0-.505-.804l-.353-.354.353-.354c.006-.005.041-.05.041-.17a.866.866 0 0 0-.121-.415C12.4 1.272 12.063 1 11.5 1z"/>
  </symbol>
  <symbol id="thumbUp" viewBox="0 0 16 16">
    <path d="M8.864.046C7.908-.193 7.02.53 6.956 1.466c-.072 1.051-.23 2.016-.428 2.59-.125.36-.479 1.013-1.04 1.639-.557.623-1.282 1.178-2.131 1.41C2.685 7.288 2 7.87 2 8.72v4.001c0 .845.682 1.464 1.448 1.545 1.07.114 1.564.415 2.068.723l.048.03c.272.165.578.348.97.484C6.931.08 7.395 0 8 0h3.5c.937 0 1.599-.477 1.934-1.064a1.86 1.86 0 0 0 .254-.912c0-.152-.023-.312-.077-.464.201-.263.38-.578.488-.9.11-.33.172-.762.004-1.149.069-.13.12-.269.159-.403.077-.27.113-.568.113-.857 0-.288-.036-.585-.113-.856a2.144 2.144 0 0 0-.138-.362 1.9 1.9 0 0 0 .234-1.734c-.206-.592-.682-1.1-1.2-1.272-.847-.282-1.803-.276-2.516-.211a9.84 9.84 0 0 0-.443.05 9.365 9.365 0 0 0-.062-4.509A1.38 1.38 0 0 0 9.125.111L8.864.046zM11.5 14.721H8c-
```

```

.51 0-.863-.069-1.14-.164-.281-.097-.506-.228-.776-.3931-.04-.024c-.555-.339-
1.198-.731-2.49-.868-.333-.036-.554-.29-.554-.55v8.72c0-.254.226-.543.62-.65
1.095-.3 1.977-.996 2.614-1.708.635-.71 1.064-1.475 1.238-1.978.243-.7.407-
1.768.482-2.85.025-.362.36-.594.667-.5181.262.066c.16.04.258.143.288.255a8.34
8.34 0 0 1-.145 4.725.5.5 0 0 0 .595.6441.003-.001.014-.003.058-.014a8.908
8.908 0 0 1 1.036-.157c.663-.06 1.457-.054
2.11.164.175.058.45.3.57.65.107.308.087.67-.266 1.0221-
.353.353.353.354c.043.043.105.141.154.315.048.167.075.37.075.581 0 .212-
.027.414-.075.582-.05.174-.111.272-.154.3151-
.353.353.353.354c.047.047.109.177.005.488a2.224 2.224 0 0 1-.505.8051-
.353.353.353.354c.006.005.041.05.041.17a.866.866 0 0 1-.121.416c-.165.288-
.503.56-1.066.56z"/>
</symbol>
<symbol id="volumeMute" viewBox="0 0 16 16">
  <path d="M6.717 3.55A.5.5 0 0 1 7 4v8a.5.5 0 0 1-.812.39L3.825
10.5H1.5A.5.5 0 0 1 1 10V6a.5.5 0 0 1 .5-.5h2.32512.363-1.89a.5.5 0 0 1 .529-
.06zm7.137 2.096a.5.5 0 0 1 0 .708L12.207 811.647 1.646a.5.5 0 0 1-
.708.708L11.5 8.7071-1.646 1.647a.5.5 0 0 1-.708-.708L10.793 8 9.146
6.354a.5.5 0 0 1 1 .708-.708L11.5 7.29311.646-1.647a.5.5 0 0 1 .708 0z"/>
</symbol>
<symbol id="volumeUp" viewBox="0 0 16 16">
  <path d="M11.536 14.01A8.473 8.473 0 0 0 14.026 8a8.473 8.473 0 0 0-
2.49-6.011-.708.707A7.476 7.476 0 0 1 13.025 8c0 2.071-.84 3.946-2.197
5.3031.708.707z"/>
  <path d="M10.121 12.596A6.48 6.48 0 0 0 12.025 8a6.48 6.48 0 0 0-
1.904-4.5961-.707.707A5.483 5.483 0 0 1 11.025 8a5.483 5.483 0 0 1-1.61
3.891.706.706z"/>
  <path d="M8.707 11.182A4.486 4.486 0 0 0 10.025 8a4.486 4.486 0 0 0-
1.318-3.182L8 5.525A3.489 3.489 0 0 1 9.025 8 3.49 3.49 0 0 1 8
10.4751.707.707zM6.717 3.55A.5.5 0 0 1 7 4v8a.5.5 0 0 1-.812.39L3.825
10.5H1.5A.5.5 0 0 1 1 10V6a.5.5 0 0 1 .5-.5h2.32512.363-1.89a.5.5 0 0 1 .529-
.06z"/>
</symbol>
</svg>

```

## Пример использования иконок:

```

<svg
  class="bi bi-play-fill svg-icon"
  :width="width"
  :height="height"
  fill="currentColor"
>
  <use xlink:href="@/svg/sprite.svg#pause"></use>
</svg>

```

```

<svg
  class="bi bi-play-fill svg-icon"
  :width="width"
  :height="height"
  fill="currentColor"
>
  <use xlink:href="@/svg/sprite.svg#skipEnd"></use>
</svg>

```

## Вывод

В ходе Домашней работы все svg-иконки были вынесены в общий спрайт