**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

# **Дисциплина:** Фронт-энд разработка

Отчет

### Домашняя работа 4: SVG-спрайт

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**Задача:** Задание: вынести все используемые ранее SVG-иконки в общий SVG-спрайт.

**Buy.html** :В код была добавлена icon с css-кодом:

.icon {  
 position: absolute;  
 top: 50%;  
 left: 50%;  
 transform: translate(-50%, -50%);  
 cursor: pointer;  
}

На неё был повешен скрипт:

<script>  
 function *generateDiscount*() {  
 var discount = Math.floor(Math.random() \* (25 - 10 + 1)) + 10;  
 var promoCode = "PROMO" + discount;  
 return promoCode;  
 }  
  
  
  
 function *handleIconClick*() {  
 var promoCode = *generateDiscount*();  
 *alert*("Поздравляем! Ваш промокод: " + promoCode);  
 var minLat = 0; *// Замените на ваше предпочтительное минимальное значение широты (обычно 0)* var maxLat = window.innerWidth; *// Замените на ширину экрана пользователя* var minLng = 0; *// Замените на ваше предпочтительное минимальное значение долготы (обычно 0)* var maxLng = window.innerHeight; *// Замените на высоту экрана пользователя* var randomLat = Math.random() \* (maxLat - minLat) + minLat;  
 var randomLng = Math.random() \* (maxLng - minLng) + minLng;  
 var newLocation = {  
 lat: randomLat,  
 lng: randomLng  
 };  
 *setIconLocation*(newLocation);  
 document.querySelector(".icon").style.display = "none";  
 }  
  
 function *setIconLocation*(location) {  
 var icon = document.querySelector(".icon");  
 icon.setAttribute("x", location.lng);  
 icon.setAttribute("y", location.lat);  
 }  
  
 const icon = document.querySelector(".icon");  
 icon.addEventListener("click", *handleIconClick*);  
</script>

Это было сделано для того,чтобы,если пользователь нашёл тыковку получил промокод на покупку тура(тыковка исчезает.чтобы пользователь не мог 2 и более раз сгенерирвать промокод).

**В payment:**

<svg width="48px" height="48px" viewBox="0 0 64 64" version="1.1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink">  
 <title>Group</title>  
 <g id="Page-1" stroke="none" stroke-width="1" fill="none" fill-rule="evenodd">  
 <g id="Group" fill="#FFFFFF">  
 <circle id="Oval" cx="16" cy="16" r="16"></circle>  
 <circle id="Oval" cx="16" cy="48" r="16"></circle>  
 <circle id="Oval" cx="48" cy="16" r="16"></circle>  
 <circle id="Oval" cx="48" cy="48" r="16"></circle>  
 </g>  
 </g>  
</svg>

В setting.html добавлены иконки соц.сетей: <!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>Профиль - Настройки</title>  
 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">  
<style>  
 .svg{  
 color:#ffffff;  
 }  
 .h\_\_social{  
 margin-top: 15px;  
 margin-left: -45px;  
 display: -ms-flexbox;  
 display: flex;  
 -ms-flex-wrap: wrap;  
 align-items: center;  
 -ms-flex-align: center;  
 flex-wrap: wrap;  
 list-style: none;  
 -ms-flex-pack: start;  
 justify-content: flex-start;  
  
 }  
 .h\_\_social li{  
 margin: 0 3px;  
  
 }  
 .h\_\_social a{  
 display: block;  
 height: 25px;  
 width: 25px;  
 line-height: 1;  
 }  
  
 .instagram {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(731 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-731 -8910)' fill='none'/%3E%3Cg transform='translate(-13.998 42)'%3E%3Crect width='22' height='22' transform='translate(-713.001 -8948)' fill='none'/%3E%3Cpath d='M10.781,7.49a5.528,5.528,0,1,0,5.528,5.528A5.519,5.519,0,0,0,10.781,7.49Zm0,9.122a3.594,3.594,0,1,1,3.594-3.594,3.6,3.6,0,0,1-3.594,3.594Zm7.044-9.348a1.289,1.289,0,1,1-1.289-1.289A1.286,1.286,0,0,1,17.824,7.264Zm3.661,1.309a6.381,6.381,0,0,0-1.742-4.518,6.423,6.423,0,0,0-4.518-1.742c-1.78-.1-7.116-.1-8.9,0A6.414,6.414,0,0,0,1.812,4.05,6.4,6.4,0,0,0,.071,8.568c-.1,1.78-.1,7.116,0,8.9a6.381,6.381,0,0,0,1.742,4.518A6.431,6.431,0,0,0,6.33,23.724c1.78.1,7.116.1,8.9,0a6.381,6.381,0,0,0,4.518-1.742,6.423,6.423,0,0,0,1.742-4.518c.1-1.78.1-7.111,0-8.891Zm-2.3,10.8a3.639,3.639,0,0,1-2.05,2.05c-1.419.563-4.787.433-6.356.433s-4.941.125-6.356-.433a3.639,3.639,0,0,1-2.05-2.05c-.563-1.419-.433-4.787-.433-6.356s-.125-4.941.433-6.356a3.639,3.639,0,0,1,2.05-2.05c1.419-.563,4.787-.433,6.356-.433s4.941-.125,6.356.433a3.639,3.639,0,0,1,2.05,2.05c.563,1.419.433,4.787.433,6.356S19.749,17.96,19.186,19.375Z' transform='translate(-712.997 -8950.237)' fill='%23000'/%3E%3C/g%3E%3C/g%3E%3C/svg%3E");  
 background-position: center;  
 background-size: contain;  
 background-repeat: no-repeat;  
 transition: all .1s ease-in-out; }  
 .instagram:hover {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(731 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-731 -8910)' fill='%233f729b'/%3E%3Cg transform='translate(-13.998 42)'%3E%3Crect width='22' height='22' transform='translate(-713.001 -8948)' fill='none'/%3E%3Cpath d='M10.781,7.49a5.528,5.528,0,1,0,5.528,5.528A5.519,5.519,0,0,0,10.781,7.49Zm0,9.122a3.594,3.594,0,1,1,3.594-3.594,3.6,3.6,0,0,1-3.594,3.594Zm7.044-9.348a1.289,1.289,0,1,1-1.289-1.289A1.286,1.286,0,0,1,17.824,7.264Zm3.661,1.309a6.381,6.381,0,0,0-1.742-4.518,6.423,6.423,0,0,0-4.518-1.742c-1.78-.1-7.116-.1-8.9,0A6.414,6.414,0,0,0,1.812,4.05,6.4,6.4,0,0,0,.071,8.568c-.1,1.78-.1,7.116,0,8.9a6.381,6.381,0,0,0,1.742,4.518A6.431,6.431,0,0,0,6.33,23.724c1.78.1,7.116.1,8.9,0a6.381,6.381,0,0,0,4.518-1.742,6.423,6.423,0,0,0,1.742-4.518c.1-1.78.1-7.111,0-8.891Zm-2.3,10.8a3.639,3.639,0,0,1-2.05,2.05c-1.419.563-4.787.433-6.356.433s-4.941.125-6.356-.433a3.639,3.639,0,0,1-2.05-2.05c-.563-1.419-.433-4.787-.433-6.356s-.125-4.941.433-6.356a3.639,3.639,0,0,1,2.05-2.05c1.419-.563,4.787-.433,6.356-.433s4.941-.125,6.356.433a3.639,3.639,0,0,1,2.05,2.05c.563,1.419.433,4.787.433,6.356S19.749,17.96,19.186,19.375Z' transform='translate(-712.997 -8950.237)' fill='%23fff'/%3E%3C/g%3E%3C/g%3E%3C/svg%3E"); }  
  
 .vk {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(590 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-590 -8910)' fill='none'/%3E%3Cpath d='M24.762,7.717c.165-.557,0-.967-.793-.967H21.344a1.127,1.127,0,0,0-1.141.744,21.989,21.989,0,0,1-3.226,5.369c-.61.61-.891.806-1.225.806-.165,0-.419-.2-.419-.753v-5.2c0-.668-.187-.967-.74-.967H10.468a.633.633,0,0,0-.668.6c0,.633.945.78,1.043,2.562v3.867c0,.847-.151,1-.486,1-.891,0-3.057-3.27-4.34-7.013C5.759,7.044,5.5,6.75,4.832,6.75H2.208c-.749,0-.9.352-.9.744,0,.7.891,4.148,4.148,8.711,2.17,3.114,5.226,4.8,8.007,4.8,1.671,0,1.876-.374,1.876-1.02,0-2.976-.151-3.257.686-3.257.388,0,1.056.2,2.615,1.7,1.782,1.782,2.076,2.58,3.074,2.58h2.624c.749,0,1.127-.374.909-1.114-.5-1.555-3.872-4.754-4.023-4.968-.388-.5-.276-.722,0-1.167,0,0,3.208-4.513,3.538-6.042Z' transform='translate(-588.308 -8908.879)' fill='%23000'/%3E%3C/g%3E%3C/svg%3E");  
 background-position: center;  
 background-size: contain;  
 background-repeat: no-repeat;  
 transition: all .1s ease-in-out; }  
 .vk:hover {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(590 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-590 -8910)' fill='%232b587a'/%3E%3Cpath d='M24.762,7.717c.165-.557,0-.967-.793-.967H21.344a1.127,1.127,0,0,0-1.141.744,21.989,21.989,0,0,1-3.226,5.369c-.61.61-.891.806-1.225.806-.165,0-.419-.2-.419-.753v-5.2c0-.668-.187-.967-.74-.967H10.468a.633.633,0,0,0-.668.6c0,.633.945.78,1.043,2.562v3.867c0,.847-.151,1-.486,1-.891,0-3.057-3.27-4.34-7.013C5.759,7.044,5.5,6.75,4.832,6.75H2.208c-.749,0-.9.352-.9.744,0,.7.891,4.148,4.148,8.711,2.17,3.114,5.226,4.8,8.007,4.8,1.671,0,1.876-.374,1.876-1.02,0-2.976-.151-3.257.686-3.257.388,0,1.056.2,2.615,1.7,1.782,1.782,2.076,2.58,3.074,2.58h2.624c.749,0,1.127-.374.909-1.114-.5-1.555-3.872-4.754-4.023-4.968-.388-.5-.276-.722,0-1.167,0,0,3.208-4.513,3.538-6.042Z' transform='translate(-588.308 -8908.879)' fill='%23fff'/%3E%3C/g%3E%3C/svg%3E"); }  
  
 .youtube {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(695 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-695 -8910)' fill='none'/%3E%3Cg transform='translate(-6 42)'%3E%3Crect width='22' height='22' transform='translate(-685 -8948)' fill='none'/%3E%3Cpath d='M22.164,6.872a2.71,2.71,0,0,0-1.907-1.919C18.576,4.5,11.832,4.5,11.832,4.5s-6.743,0-8.425.454A2.71,2.71,0,0,0,1.5,6.872,28.425,28.425,0,0,0,1.05,12.1,28.425,28.425,0,0,0,1.5,17.321a2.669,2.669,0,0,0,1.907,1.888c1.682.454,8.425.454,8.425.454s6.743,0,8.425-.454a2.669,2.669,0,0,0,1.907-1.888,28.425,28.425,0,0,0,.451-5.224A28.425,28.425,0,0,0,22.164,6.872ZM9.627,15.3V8.89L15.263,12.1,9.627,15.3Z' transform='translate(-686.05 -8949.3)' fill='%23000'/%3E%3C/g%3E%3C/g%3E%3C/svg%3E");  
 background-position: center;  
 background-size: contain;  
 background-repeat: no-repeat;  
 transition: all .1s ease-in-out; }  
 .youtube:hover {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(695 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-695 -8910)' fill='%23c4302b'/%3E%3Cg transform='translate(-6 42)'%3E%3Crect width='22' height='22' transform='translate(-685 -8948)' fill='none'/%3E%3Cpath d='M22.164,6.872a2.71,2.71,0,0,0-1.907-1.919C18.576,4.5,11.832,4.5,11.832,4.5s-6.743,0-8.425.454A2.71,2.71,0,0,0,1.5,6.872,28.425,28.425,0,0,0,1.05,12.1,28.425,28.425,0,0,0,1.5,17.321a2.669,2.669,0,0,0,1.907,1.888c1.682.454,8.425.454,8.425.454s6.743,0,8.425-.454a2.669,2.669,0,0,0,1.907-1.888,28.425,28.425,0,0,0,.451-5.224A28.425,28.425,0,0,0,22.164,6.872ZM9.627,15.3V8.89L15.263,12.1,9.627,15.3Z' transform='translate(-686.05 -8949.3)' fill='%23fff'/%3E%3C/g%3E%3C/g%3E%3C/svg%3E"); }  
  
  
 .telegram {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(514 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-514 -8910)' fill='none'/%3E%3Cpath d='M11,.563a11,11,0,1,0,11,11A11,11,0,0,0,11,.563ZM16.4,8.1,14.6,16.606c-.133.6-.492.75-.994.466l-2.75-2.027L9.527,16.322a.694.694,0,0,1-.554.271l.2-2.8,5.1-4.6c.222-.2-.049-.306-.342-.111l-6.3,3.965L4.91,12.2c-.59-.186-.6-.59.124-.874L15.64,7.233c.492-.177.923.12.763.865Z' transform='translate(-510 -8906.563)' fill='%23000'/%3E%3C/g%3E%3C/svg%3E");  
 background-position: center;  
 background-size: contain;  
 background-repeat: no-repeat;  
 transition: all .1s ease-in-out; }  
 .telegram:hover {  
 background-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' width='30' height='30' viewBox='0 0 30 30'%3E%3Cg transform='translate(514 8910)'%3E%3Crect width='30' height='30' rx='4' transform='translate(-514 -8910)' fill='%233f729b'/%3E%3Cpath d='M11,.563a11,11,0,1,0,11,11A11,11,0,0,0,11,.563ZM16.4,8.1,14.6,16.606c-.133.6-.492.75-.994.466l-2.75-2.027L9.527,16.322a.694.694,0,0,1-.554.271l.2-2.8,5.1-4.6c.222-.2-.049-.306-.342-.111l-6.3,3.965L4.91,12.2c-.59-.186-.6-.59.124-.874L15.64,7.233c.492-.177.923.12.763.865Z' transform='translate(-510 -8906.563)' fill='%23fff'/%3E%3C/g%3E%3C/svg%3E"); }  
  
 .halloween-btn {  
 background-color: #ff7518;  
 color: #ffffff;  
 border: none;  
 box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.5);  
 animation: fog 20s ;  
 }  
 .halloween-btn:hover {  
 box-shadow: none;  
 }  
  
</style>  
</head>  
<body>  
  
<div class="container">  
 <h1 class="mt-4">Настройки профиля</h1>  
  
 *<!-- Форма для настроек профиля -->* <form id="profileSettingsForm">  
  
 *<!-- Имя пользователя -->* <div class="form-group">  
 <label for="username">Имя пользователя</label>  
 <input type="text" class="form-control" id="username" placeholder="Введите ваше имя" required>  
 </div>  
  
 *<!-- Email -->* <div class="form-group">  
 <label for="email">Email</label>  
 <input type="email" class="form-control" id="email" placeholder="Введите ваш email" required>  
 </div>  
  
 *<!-- Пароль -->* <div class="form-group">  
 <label for="password">Пароль</label>  
 <input type="password" class="form-control" id="password" placeholder="Введите ваш пароль" required>  
 </div>  
  
 *<!-- Кнопка Сохранить -->* <button type="submit" class="halloween-btn">  
 </svg>Сохранить  
 <svg xmlns="http://www.w3.org/2000/svg" width="10" height="10" viewBox="0 0 24 24" style=" color:#ffffff;margin-top:-15px; margin-right:-3px; ">  
 <path d="M12 2C6.5 2 2 6.5 2 12s4.5 10 10 10 10-4.5 10-10S17.5 2 12 2zm0 18c-4.4 0-8-3.6-8-8s3.6-8 8-8 8 3.6 8 8-3.6 8-8 8zm-1-9h2v2h-2v-2zm0-4h2v3h-2V7z"/></button>  
 </form>  
  
 <ul class="h\_\_social">  
 <li><a href="#" class="instagram"></a></li>  
 <li><a href="#" class="telegram"></a></li>  
 <li><a href="#" class="vk"></a></li>  
 <li><a href="#" class="youtube"></a></li>  
 </ul>  
</div>  
  
  
<script src="https://cdn.jsdelivr.net/npm/axios/dist/axios.min.js"></script>  
<script>  
 document.getElementById("profileSettingsForm").addEventListener("submit", function(event) {  
 event.preventDefault();  
  
 *// Получение значений полей формы* let username = document.getElementById("username").value;  
 let email = document.getElementById("email").value;  
 let password = document.getElementById("password").value;  
  
 *// Здесь можно добавить код для валидации значений полей формы* let postData = {  
 username: username,  
 email: email,  
 password: password  
 };  
  
 axios.post("http://127.0.0.1:5000/save\_profile\_settings", postData)  
 .then(function(response) {  
 Swal.fire("Успешно", "Настройки профиля сохранены.", "success");  
 })  
 .catch(function(error) {  
 Swal.fire("Ошибка", "Произошла ошибка при сохранении настроек профиля.", "error");  
 });  
 });  
</script>  
</body>  
</html>