Лабораторная работа 8

Были созданы 3 файла:

Slidercss.css, sliderjs.js, slider.html.

Slider.html:

<!DOCTYPE html>

<html lang="ru">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<title>слайдер для сайта</title>

<link rel="stylesheet" type="text/css" href="sldercss.css">

</head>

<body>

<div class="slider">

<div class="slider\_\_wrapper">

<div class="slider\_\_item">

<div style="height: 250px; background: orange;">1</div>

</div>

<div class="slider\_\_item">

<div style="height: 250px; background: green;">2</div>

</div>

<div class="slider\_\_item">

<div style="height: 250px; background: violet;">3</div>

</div>

<div class="slider\_\_item">

<div style="height: 250px; background: coral;">4</div>

</div>

<div class="slider\_\_item">

<div style="height: 250px; background: brown;">5</div>

</div>

<div class="slider\_\_item">

<div style="height: 250px; background: orchid;">6</div>

</div>

<div class="slider\_\_item">

<div style="height: 250px; background: aqua;">7</div>

</div>

</div>

<a class="slider\_\_control slider\_\_control\_left" href="#" role="button"></a>

<a class="slider\_\_control slider\_\_control\_right slider\_\_control\_show" href="#" role="button"></a>

</div>

<script src="Sliderjs.js"></script>

</body>

</html>

Slidercss.css:

body {

margin: 0;

font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, "Helvetica Neue", Arial, sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol";

color: #fff;

height: 3000px;

}

.slider {

position: relative;

overflow: hidden;

}

.slider\_\_wrapper {

display: flex;

transition: transform 0.6s ease;

}

.slider\_\_item {

flex: 0 0 33.333333%;

max-width: 33.333333%;

}

.slider\_\_control {

position: absolute;

top: 50%;

display: none;

align-items: center;

justify-content: center;

width: 40px;

color: #fff;

text-align: center;

opacity: 0.5;

height: 50px;

transform: translateY(-50%);

background: rgba(0, 0, 0, .5);

}

.slider\_\_control\_show {

display: flex;

}

.slider\_\_control:hover,

.slider\_\_control:focus {

color: #fff;

text-decoration: none;

outline: 0;

opacity: .9;

}

.slider\_\_control\_left {

left: 0;

}

.slider\_\_control\_right {

right: 0;

}

.slider\_\_control::before {

content: '';

display: inline-block;

width: 20px;

height: 20px;

background: transparent no-repeat center center;

background-size: 100% 100%;

}

.slider\_\_control\_left::before {

background-image: url("data:image/svg+xml;charset=utf8,%3Csvg xmlns='http://www.w3.org/2000/svg' fill='%23fff' viewBox='0 0 8 8'%3E%3Cpath d='M5.25 0l-4 4 4 4 1.5-1.5-2.5-2.5 2.5-2.5-1.5-1.5z'/%3E%3C/svg%3E");

}

.slider\_\_control\_right::before {

background-image: url("data:image/svg+xml;charset=utf8,%3Csvg xmlns='http://www.w3.org/2000/svg' fill='%23fff' viewBox='0 0 8 8'%3E%3Cpath d='M2.75 0l-1.5 1.5 2.5 2.5-2.5 2.5 1.5 1.5 4-4-4-4z'/%3E%3C/svg%3E");

}

.slider\_\_item>div {

line-height: 250px;

font-size: 100px;

text-align: center;

}

Slider.js:

'use strict';

var multiItemSlider = (function () {

return function (selector, config) {

var

\_mainElement = document.querySelector(selector), // основный элемент блока

\_sliderWrapper = \_mainElement.querySelector('.slider\_\_wrapper'), // обертка для .slider-item

\_sliderItems = \_mainElement.querySelectorAll('.slider\_\_item'), // элементы (.slider-item)

\_sliderControls = \_mainElement.querySelectorAll('.slider\_\_control'), // элементы управления

\_sliderControlLeft = \_mainElement.querySelector('.slider\_\_control\_left'), // кнопка "LEFT"

\_sliderControlRight = \_mainElement.querySelector('.slider\_\_control\_right'), // кнопка "RIGHT"

\_wrapperWidth = parseFloat(getComputedStyle(\_sliderWrapper).width), // ширина обёртки

\_itemWidth = parseFloat(getComputedStyle(\_sliderItems[0]).width), // ширина одного элемента

\_positionLeftItem = 0, // позиция левого активного элемента

\_transform = 0, // значение транфсофрмации .slider\_wrapper

\_step = \_itemWidth / \_wrapperWidth \* 100, // величина шага (для трансформации)

\_items = []; // массив элементов

// наполнение массива \_items

\_sliderItems.forEach(function (item, index) {

\_items.push({ item: item, position: index, transform: 0 });

});

var position = {

getMin: 0,

getMax: \_items.length - 1,

}

var \_transformItem = function (direction) {

if (direction === 'right') {

if ((\_positionLeftItem + \_wrapperWidth / \_itemWidth - 1) >= position.getMax) {

return;

}

if (!\_sliderControlLeft.classList.contains('slider\_\_control\_show')) {

\_sliderControlLeft.classList.add('slider\_\_control\_show');

}

if (\_sliderControlRight.classList.contains('slider\_\_control\_show') && (\_positionLeftItem + \_wrapperWidth / \_itemWidth) >= position.getMax) {

\_sliderControlRight.classList.remove('slider\_\_control\_show');

}

\_positionLeftItem++;

\_transform -= \_step;

}

if (direction === 'left') {

if (\_positionLeftItem <= position.getMin) {

return;

}

if (!\_sliderControlRight.classList.contains('slider\_\_control\_show')) {

\_sliderControlRight.classList.add('slider\_\_control\_show');

}

if (\_sliderControlLeft.classList.contains('slider\_\_control\_show') && \_positionLeftItem - 1 <= position.getMin) {

\_sliderControlLeft.classList.remove('slider\_\_control\_show');

}

\_positionLeftItem--;

\_transform += \_step;

}

\_sliderWrapper.style.transform = 'translateX(' + \_transform + '%)';

}

// обработчик события click для кнопок "назад" и "вперед"

var \_controlClick = function (e) {

if (e.target.classList.contains('slider\_\_control')) {

e.preventDefault();

var direction = e.target.classList.contains('slider\_\_control\_right') ? 'right' : 'left';

\_transformItem(direction);

}

};

var \_setUpListeners = function () {

// добавление к кнопкам "назад" и "вперед" обрботчика \_controlClick для событя click

\_sliderControls.forEach(function (item) {

item.addEventListener('click', \_controlClick);

});

}

// инициализация

\_setUpListeners();

return {

right: function () { // метод right

\_transformItem('right');

},

left: function () { // метод left

\_transformItem('left');

}

}

}

}());

var slider = multiItemSlider('.slider')

Скрины работы слайдера:



