 МІНІСТЕРСТВО ОСВІТИ I НАУКИ УКРАЇНИ

НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ

«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ   
ІМЕНІ ІГОРЯ СІКОРСЬКОГО»

ФАКУЛЬТЕТ БІОМЕДИЧНОЇ ІНЖЕНЕРІЇ

КАФЕДРА БІОМЕДИЧНОЇ КІБЕРНЕТИКИ

**Комп’ютерний практикум №7**

з дисципліни «Веб-технології та веб-дизайн-1»

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Зараховано від \_\_\_.\_\_\_.\_\_\_\_\_\_\_

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(підпис викладача)

Київ-2020

[**переглянути лабораторну**](https://passvvord.github.io/labs/07/code/index.html)

**Код**

index.html

----------------------------------------------------------------------------------

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>lab\_07</title>

<link rel="stylesheet" href="style.css">

<script type="text/javascript" src="script.js" defer></script>

</head>

<body class="body-classic">

<div class="header">

<div class="oud">OUD</div>

<a class="menu-link" href="#overview">OVERVIEW</a>

<a class="menu-link" href="#details">DETAILS</a>

<a class="menu-link" href="#price">PRICE</a>

<!-- <div class="menu-button">≡</div> -->

<div class="h-text">

<div class="h-text-1">ARE YOU READY FOR</div>

<div class="h-text-2">TEST DRIVE</div>

<a href="#comments"><div class="button">GO DRIVE</div></a>

</div>

</div>

<a name="overview"></a>

<div class="bg1">

<div class="z-t-block">

<div class="num">01</div>

<div class="zagolovok">OVERVIEW

<div class="z-line">\_</div>

</div>

<div class="block-text">

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Prant vehicula pharetra nunc, eget venenatis ex facilisis non. Sedae placerat molestie turpis ac pharetra. Phasellus in dui lobortis, dapibus nibh at, condimentum lorem. Sed leo tortor, convallis in tortor at, vestibulum malesuada ipsum. Nam sit amet is a cursus est, eu finibus dolor. Nullam gravida vel eros a viverra. Nam a sapien gravida, iaculis neque sit amet, dapibus nibh. Aliquam mollis faucibus viverra. Integer tempor aliquam risus condimentum dapibus. Nullam auctor risus in erat mattis, ac pretium sem euismod. Interdum et malesuada fames ac ante ipsum primis in faucibus.

</div>

</div>

</div>

<div class="CTA">

<div class="h-text">

<div class="h-text-1">ONLY THIS MONTH</div>

<div class="h-text-2">20% OFF</div>

<a href="#comments"><div class="button">BUY NOW</div></a>

</div>

</div>

<a name="details"></a>

<div class="bg2">

<div class="z-t-block">

<div class="num">02</div>

<div class="zagolovok">DETAILS

<div class="z-line">\_</div>

</div>

<div class="block-text">

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Prant vehicula pharetra nunc, eget venenatis ex facilisis non. Sedae placerat molestie turpis ac pharetra. Phasellus in dui lobortis, dapibus nibh at, condimentum lorem.

</div>

</div>

<div class="car\_img"><img src="imgs/02\_car\_front.png"></div>

<div class="car\_img"><img src="imgs/02\_car\_back.png"></div>

<div class="bg2-last-text">CHECK OUD H7 <a href="#comments"><font color="#ea0d60"> FULL SPECIFICATIONS</font></a></div>

</div>

<a name="price"></a>

<div class="bg3">

<div class="z-t-block">

<div class="num">03</div>

<div class="zagolovok">PRICE

<div class="z-line">\_</div>

</div>

<div class="h-text">

<div class="h-text-1">OUD H7</div>

<div class="h-text-2">STARTING FROM</div>

<div class="price">$11720</div>

<a href="#comments"><div class="button">REQUEST A CALL</div></a>

</div></div>

</div>

<a name="comments"></a>

<div class="comment-out-div">

<div class="comments" id="comments"></div>

</div>

<div class="add-comment" id="add-comment">

<div class="form">

<textarea id="textarea" placeholder="Текст коментаря" onkeyup="add\_text(); save\_val(this.id,this.value)" ></textarea>

<div class="sumbit" id="sumbit" onclick="add\_coment()">Надіслати</div>

<img src="avatars/DEFAULT.svg" id="chosed\_ava">

<input type="text" id="us\_name" placeholder="Ім'я" onkeyup ="us\_name = this.value; save\_val(this.id,this.value)" maxlength="40">

<div class="img-chose" id="img-chose"></div>

</div>

</div>

<div class="footer">

<div class="fot-block">

<div class="f-b-zagolovok">SERVICES</div>

<div class="f-b-text">

My OUD<br>

Press<br>

Terms<br>

Contact

</div>

</div>

<div class="fot-block">

<div class="f-b-zagolovok">OUD AG</div>

<div class="f-b-text">

Company<br>

Corporate Strategy<br>

Innovations<br>

Careers<br>

History

</div>

</div>

<div class="fot-block">

<div class="f-b-zagolovok">EXPERINENCE</div>

<div class="f-b-text">

Investor Relations<br>

OUD City<br>

OUD quattro<br>

Sustainability

</div>

</div>

<div class="fot-block">

<div class="f-b-zagolovok">GET IN TOUCH</div>

<div class="f-b-text">

<font color="#ea0d60">info@owd.com</font> e-mail us<br>

<font color="#ea0d60">+1 441 544 656</font> Call us<br>

<font color="#ea0d60">+1441544 656</font> Fax us<br>

Find us via <font color="#ea0d60">Google Map</font>

</div>

</div>

</div>

<!-- The core Firebase JS SDK is always required and must be listed first -->

<script src="https://www.gstatic.com/firebasejs/7.11.0/firebase-app.js"></script>

<script src="https://www.gstatic.com/firebasejs/7.11.0/firebase-database.js"></script>

<!-- TODO: Add SDKs for Firebase products that you want to use

https://firebase.google.com/docs/web/setup#available-libraries -->

<script src="https://www.gstatic.com/firebasejs/7.11.0/firebase-analytics.js"></script>

<script>

// Your web app's Firebase configuration

var firebaseConfig = {

apiKey: "AIzaSyA5EtM\_Fpt6RjIH2Py1wlFO2GJnSZFms4c",

authDomain: "aai-database-01.firebaseapp.com",

databaseURL: "https://aai-database-01.firebaseio.com",

projectId: "aai-database-01",

storageBucket: "aai-database-01.appspot.com",

messagingSenderId: "81794330347",

appId: "1:81794330347:web:36a965d9973f836c2458ae",

measurementId: "G-EMTZ00K0W9"

};

// Initialize Firebase

firebase.initializeApp(firebaseConfig);

firebase.analytics();

</script>

</body>

</html>

style.css

----------------------------------------------------------------------------------

@import url(../../../for\_menu/global.css);

:root {

--vh: 1vh;

--vw: 1vw;

--now-sc: 1;

}

/\*calc(var(--vh) \* )\*/

/\*calc(var(--now-sc) \* )\*/

@media (max-width: 100vh) {

:root {

--now-sc: 3;

}

}

body {

font-family: lato;

}

a {

color: #fff;

}

.header, .bg1, .CTA, .bg2, .bg3, .footer {

--color-1: #EA0D60;

background-size: 100%;

background-position: center;

width: 100vw;

overflow: hidden;

}

.header {

height: calc(var(--now-sc) \* 47.29vw);

background-image: url(imgs/header\_bg.png);

background-size: cover;

display: flex;

flex-wrap: wrap;

justify-content: center;

align-content: stretch;

color: #fff;

}

.oud, .menu-button, .menu-link {

font-size: calc(var(--now-sc) \* 2.5vw);

width: 25%;

height: calc(var(--now-sc) \* 6vw);

padding: calc(var(--now-sc) \* 1.5vw) calc(var(--now-sc) \* 2.5vw);

margin-bottom: calc(var(--now-sc) \* -5vw);

box-sizing: border-box;

}

.oud {

font-family: lato\_m;

text-align: left;

background: -webkit-linear-gradient(#fff 40%, #8E9396 60%);

-webkit-background-clip: text;

-webkit-text-fill-color: transparent;

}

.menu-link {

font-family: lato\_t;

min-width: fit-content;

transition-duration: 0.5s;

}

.menu-link:hover {

color: var(--color-1);

}

.menu-button {

text-align: right;

}

.h-text {

display: flex;

flex-wrap: wrap;

justify-content: center;

height: fit-content;

width: 100%;

}

.h-text-1, .h-text-2, .button {

width: 100%;

text-align: center;

}

.h-text-1, .h-text-2 {

font-size: calc(var(--now-sc) \* 5.2vw);

line-height: calc(var(--now-sc) \* 4.2vw);

}

.h-text-1 {

font-family: lato\_t;

}

.h-text-2 {

font-family: lato;

}

.button {

font-family: lato\_hv;

font-size: calc(var(--now-sc) \* 0.5vw);

height: calc(var(--now-sc) \* 2.5vw);

width: calc(var(--now-sc) \* 8vw);

border-radius: calc(var(--now-sc) \* 1.25vw);

background: var(--color-1);

line-height: calc(var(--now-sc) \* 2.5vw);

letter-spacing: calc(var(--now-sc) \* 0.1vw);

margin-top: calc(var(--now-sc) \* 3.5vw);

}

.bg1 {

height: calc(var(--now-sc) \* 50.34vw);

background-image: url(imgs/01\_bg.png);

background-repeat: no-repeat;

background-position: bottom;

display: flex;

justify-content: center;

}

.z-t-block {

width: calc(var(--now-sc) \* 30vw);

margin-top: calc(var(--now-sc) \* 3vw);

height: fit-content;

}

.num, .zagolovok {

font-size: calc(var(--now-sc) \* 3.5vw);

}

.num {

text-shadow: calc(var(--now-sc) \* -1.5vw) calc(var(--now-sc) \* 2.8vw) 0 #e7e7e7;

color: transparent;

}

.zagolovok {

display: flex;

}

.z-line {

color: var(--color-1);

}

.block-text {

margin-top: calc(var(--now-sc) \* 1vw);

font-size: calc(var(--now-sc) \* 1.1vw);

line-height: calc(var(--now-sc) \* 1.9vw);

font-family: lato;

}

.CTA {

height: calc(var(--now-sc) \* 17.65vw);

background-image: url(imgs/CTA\_bg.png);

background-color: #000;

background-repeat: no-repeat;

background-position: bottom;

color: #fff;

display: flex;

justify-content: center;

align-items: center;

}

.CTA > div > .h-text-1, .CTA > div > .h-text-2 {

font-size: calc(var(--now-sc) \* 3vw);

line-height: calc(var(--now-sc) \* 2.5vw);

}

.CTA > div > .button {

margin-top: calc(var(--now-sc) \* 1.5vw);

}

.bg2 {

/\*height: calc(var(--now-sc) \* 89.33vw);\*/

background: #fff;

display: flex;

flex-wrap: wrap;

justify-content: center;

}

.bg2 > .car\_img {

width: 60%;

padding: calc(var(--now-sc) \* 4.5vw) 20% 0 20%;

}

@media (max-width: 100vh) {

.bg2 > .car\_img {

width: 100%;

padding: calc(var(--now-sc) \* 4.5vw) 0 0 0;

}

}

.bg2 > .car\_img > img {

width: 100%;

}

.bg2-last-text {

width: 100%;

font-size: calc(var(--now-sc) \* 1vw);

text-align: center;

box-sizing: border-box;

padding: calc(var(--now-sc) \* 4.5vw) 0;

}

.bg2-last-text > a {

text-decoration: underline;

}

.bg3 {

height: calc(var(--now-sc) \* 43.66vw);

background-image: url(imgs/03\_bg.png);

background-color: #000;

background-repeat: no-repeat;

background-position: bottom;

display: flex;

flex-wrap: wrap;

justify-content: center;

color: #fff;

}

.bg3 > .z-t-block {

margin-top: calc(var(--now-sc) \* 2vw);

}

.bg3 > div > .num {

text-shadow: calc(var(--now-sc) \* -1.5vw) calc(var(--now-sc) \* 2.8vw) 0 #333333;

}

.bg3 > div > .zagolovok {

color: #fff;

}

.bg3 > div > div > .h-text-1, .bg3 > div > div > .h-text-2 {

font-size: calc(var(--now-sc) \* 2vw);

line-height: calc(var(--now-sc) \* 1.7vw);

}

.bg3 > div > div >.button {

margin-top: calc(var(--now-sc) \* 1.5vw);

}

.bg3 > div > div > .h-text-1 {

margin-top: calc(var(--now-sc) \* 4.5vw);

}

.price {

margin-top: calc(var(--now-sc) \* 1.5vw);

font-size: calc(var(--now-sc) \* 7vw);

font-family: lato\_hl;

color: var(--color-1);

width: 100%;

text-align: center;

--blur-r: calc(var(--now-sc) \* 0.5vw);

text-shadow: 0 0 var(--blur-r) var(--color-1)

,0 0 var(--blur-r) var(--color-1)

,0 0 var(--blur-r) var(--color-1)

,0 0 var(--blur-r) var(--color-1);

}

.comment-out-div {

/\*overflow: scroll;

max-height: 80vh;\*/

}

.comments {

display: flex;

flex-direction: column;

justify-content: center;

align-items: center;

padding: var(--vh) 1vw;

}

.comment-div {

margin: var(--vh) 1vw;

overflow: hidden;

border-radius: calc((ar(--vh)+1vw));

width: 90%;

max-width: calc(var(--vh) \* 80);

min-height: calc(var(--vh) \* 10);

background: #e7e7e7;

font-family: lato;

}

.img-div {

width: calc(var(--vh) \* 10);

height: calc(var(--vh) \* 10);

float: left;

padding: 1% 1%;

margin-right: 5%;

background: #d9d9d9;

border-radius: calc((var(--vh)+1vw));

}

.img-div > img {

width: 100%;

}

.text-block {

padding: var(--vh) 2vw;

}

.name {

display: flex;

align-items: baseline;

font-size: calc(var(--vh) \* 3);

min-height: calc(var(--vh) \* 4);

text-transform: capitalize;

font-family: lato\_hv;

color: #ea0d60;

text-align: left;

}

.name > div {

color: #aaa;

font-size: calc(var(--vh) \* 2);

}

.text {

margin-left: 3%;

margin-right: 3%;

text-align: left;

font-size: calc(var(--vh) \* 1.5);

min-height: calc(var(--vh) \* 3);

}

.likes {

text-align: right;

color: #f00;

font-size: calc(var(--vh) \* 1.5);

width: 50%;

margin-left: 50%;

font-family: roboto\_b;

cursor: pointer;

}

.img-chose {

display: flex;

overflow-x: scroll;

align-items: center;

border: calc(var(--vh) \* 0.2) solid #000;

margin: calc(var(--vh) \* 0.5) 0vh;

}

::-webkit-scrollbar {

width: calc(var(--vh) \* 1);

height: calc(var(--vh) \* 1.25);

}

::-webkit-scrollbar-track {

box-shadow: inset 0 0 0 calc(var(--vh) \* 0.2) #000;

}

::-webkit-scrollbar-thumb {

background: #000;

}

.img-chose > img, #chosed\_ava {

height: calc(var(--vh) \* 10);

width: calc(var(--vh) \* 10);

margin: calc(var(--vh) \* 0.5);

}

#chosed\_ava {

}

.add-comment {

display: flex;

flex-direction: row;

flex-wrap: wrap;

align-items: center;

justify-content: center;

width: 100%;

}

.form {

width: 100%;

max-width: calc(var(--vh) \* 100);

display: flex;

justify-content: center;

flex-wrap: wrap;

font-size: calc(var(--vh) \* 2);

font-family: lato;

}

input, textarea {

font-size: calc(var(--vh) \* 1.5);

font-family: lato;

width: 100%;

padding: var(--vh);

border: none;

background: #e7e7e7;

border-bottom: calc(var(--vh) \* 0.4) solid #ea0d60;

}

textarea {

height: calc(var(--vh) \* 10);

resize: none;

z-index: 1;

}

input:focus, textarea:focus {

border: none;

border-bottom: calc(var(--vh) \* 0.4) solid #ea0d60;

box-shadow: none;

outline:none;

}

.sumbit {

/\*box-shadow: inset 0 0 0 0.4vh #ea0d60;\*/

height: calc(var(--vh) \* 5);

width: 100%;

/\*margin: calc(var(--vh) \* 0.5) 0;\*/

margin-top: calc(var(--vh) \* -5);

z-index: 0;

font-size: calc(var(--vh) \* 3);

font-family: lato\_hv;

background: #ea0d60;

cursor: pointer;

color: #fff;

/\*transition-duration: 0.5s;\*/

display: flex;

align-items: center;

justify-content: center;

transition-duration: 0.5s;

}

.footer {

/\* height: calc(var(--now-sc) \* 29.37vw);\*/

background: #000;

display: flex;

flex-wrap: wrap;

justify-content: center;

align-items: baseline;

color: #fff;

padding: calc(var(--now-sc) \* 7vw) 0;

box-sizing: border-box;

}

@media (max-width: 100vh) {

.footer {

flex-direction: column;

align-items: center;

}

}

.fot-block {

padding: calc(var(--now-sc) \* 1vw) calc(var(--now-sc) \* 4.5vw);

}

@media (max-width: 100vh) {

.fot-block {

text-align: center;

}

}

.f-b-zagolovok {

font-size: calc(var(--now-sc) \* 1.5vw);

}

.f-b-text {

margin-top: calc(var(--now-sc) \* 1vw);

font-size: calc(var(--now-sc) \* 0.9vw);

line-height: calc(var(--now-sc) \* 1.9vw);

font-family: lato\_l;

}

script.js

----------------------------------------------------------------------------------

let avatars = ["avatars/angel.svg","avatars/bag-on-head.svg","avatars/bionic-eye.svg","avatars/boy.svg","avatars/boy-1.svg","avatars/boy-2.svg","avatars/boy-3.svg","avatars/boy-4.svg","avatars/boy-5.svg","avatars/boy-6.svg","avatars/boy-7.svg","avatars/cat-mask.svg","avatars/dracula.svg","avatars/frankestein-monster.svg","avatars/girl.svg","avatars/girl-1.svg","avatars/girl-2.svg","avatars/girl-3.svg","avatars/girl-4.svg","avatars/girl-5.svg","avatars/girl-6.svg","avatars/girl-7.svg","avatars/girl-8.svg","avatars/girl-9.svg","avatars/girl-10.svg","avatars/girl-11.svg","avatars/girl-12.svg","avatars/girl-13.svg","avatars/girl-14.svg","avatars/girl-with-cat-ears.svg","avatars/hanibal-lecter.svg","avatars/man.svg","avatars/man-1.svg","avatars/man-2.svg","avatars/man-3.svg","avatars/man-4.svg","avatars/man-5.svg","avatars/man-6.svg","avatars/man-7.svg","avatars/man-8.svg","avatars/mujer.svg","avatars/mujer-1.svg","avatars/ninja.svg","avatars/nun.svg","avatars/pirate.svg","avatars/superheroe.svg","avatars/walter-white.svg","avatars/woman.svg","avatars/woman-1.svg","avatars/woman-2.svg"];

let avatar = "avatars/DEFAULT.svg";

let us\_name = '';

let text = '';

let count\_likes = 0;

let name\_create = 0;

const database = firebase.database();

const path = '/github/github\_io/lab\_07\_data/';

function print\_coment\_in(id,avatar,name,text,like,path\_name) {

let element = document.getElementById(id);

let element\_str = "";

element\_str += `<div class="comment-div">`

+ `<div class="img-div"><img src="`+avatar+`"></div>`

+ `<div class="text-block">`

+ `<div class="name">`+name+`</div>`

+ `<div class="text">`+text+`</div>`

+ `<div class="likes" onclick="like\_up(`+ path\_name +`)">❤ `+like+`</div>`

+ `</div>`

+ `</div>`;

element.innerHTML += element\_str;

}

function dell\_html\_tag\_quotes(str) {

for (let i in str) {

if (str[i] == '<') {

str = str.replace('<','{');

} else if (str[i] == '>') {

str = str.replace('>','}');

}

}

return str;

}

function add\_coment() {

if (text == '') {

alert('Ви не можете відправити коментар без тексту');

} else if (us\_name == "") {

alert(`Введіть і'мя у відповідне поле`);

} else if (avatar == "avatars/DEFAULT.svg") {

alert('Оберіть аватар');

} else {

let today = new Date();

let date = today.getFullYear()+'-'+(today.getMonth()+1)+'-'+today.getDate();

let time = today.getHours() + ":" + today.getMinutes() + ":" + today.getSeconds();

database.ref(path+name\_create).set({

avatar: avatar,

name: dell\_html\_tag\_quotes(us\_name),

comment: dell\_html\_tag\_quotes(text),

likes: count\_likes,

date\_time: date+' '+time,

display\_w: document.documentElement.clientWidth,

display\_h: document.documentElement.clientHeight

});

document.getElementById('textarea').value = '';

add\_text();

text = '';

save\_val('textarea',text)

}

}

function add\_text() {

let textarea = document.getElementById('textarea');

let sumbit\_top = document.getElementById('sumbit');

if (textarea.value == '') {

text = '';

sumbit\_top.style.marginTop = 'calc(var(--vh) \* -5)';

} else {

text = textarea.value;

sumbit\_top.style.marginTop = '0px';

}

}

function like\_up(path\_name) {

let now\_likes = 0;

database.ref(path + path\_name).once("value", function(snapshot) {

now\_likes = parseInt(snapshot.val().likes) + 1;

});

database.ref(path + path\_name).update({likes: now\_likes});

}

function set\_this\_ava(img) {

avatar = img;

save\_val('chosed\_ava',avatar);

document.getElementById('chosed\_ava').src = avatar;

}

function print\_avatars\_in(id) {

let element = document.getElementById(id);

let element\_str = "";

for (let i of avatars) {

element\_str += `<img src="`+i+`" onclick="set\_this\_ava('`+i+`')">`;

}

element.innerHTML += element\_str;

}

database.ref(path).orderByKey().on('value', snapshot => {

// console.log(snapshot.hasChild('004'));

// console.log(snapshot.val());

document.getElementById('comments').innerHTML = '';

name\_create = 0;

for (let i in snapshot.val()) {

// console.log("i = ",i);

if (name\_create <= i) { name\_create = parseInt(i) + 1;}

print\_coment\_in('comments'

,snapshot.val()[i]['avatar']

,snapshot.val()[i]['name']

,snapshot.val()[i]['comment']

,snapshot.val()[i]['likes']

,i);

}

});

function save\_val(id,val) {

localStorage.setItem(id, val);

}

function get\_val(id,val\_if\_no\_val) {

if (!localStorage.getItem(id)) {

return val\_if\_no\_val;

}

return localStorage.getItem(id);

}

document.documentElement.style.setProperty('--vw', document.documentElement.clientWidth/100 + 'px');

document.documentElement.style.setProperty('--vh', document.documentElement.clientHeight/100 + 'px');

print\_avatars\_in('img-chose');

document.getElementById('textarea').value = text = get\_val('textarea','');

document.getElementById('us\_name').value = us\_name = get\_val('us\_name','');

set\_this\_ava(get\_val('chosed\_ava','avatars/DEFAULT.svg'));

add\_text();