

Visoka škola strukovnih studija za informacione i komunikacione tehnologije



DOKUMENTACIJA

Jovan Zejnula

Smer: Internet tehnologije

Predmet: Web programiranje 2

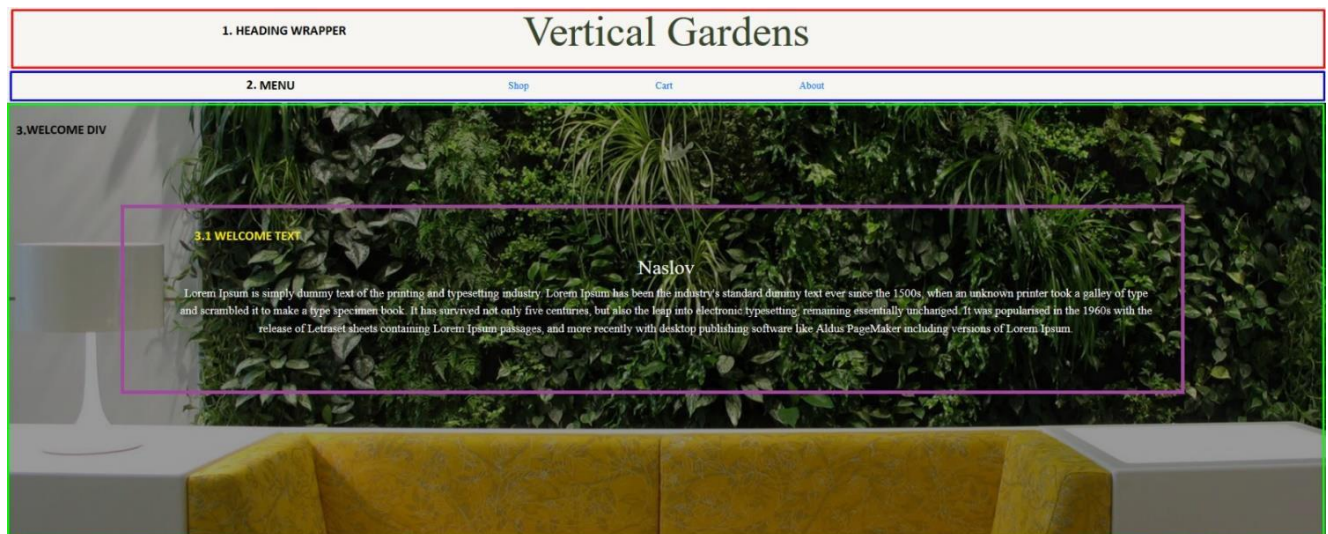
1. Uvod

Korišćeni jezici i tehnologije: HTML, CSS, JavaScript, jQuery.

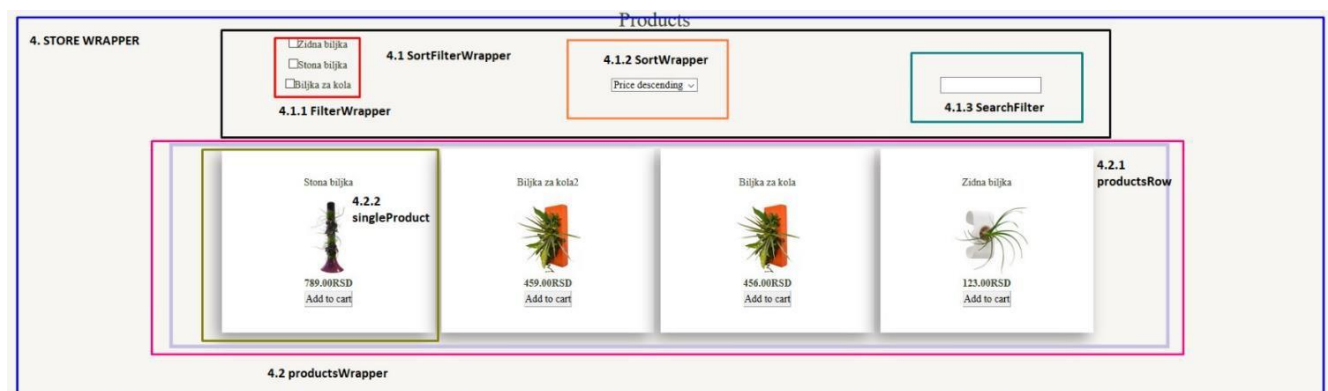
2. Opis funkcionalnosti

2.1) index.html

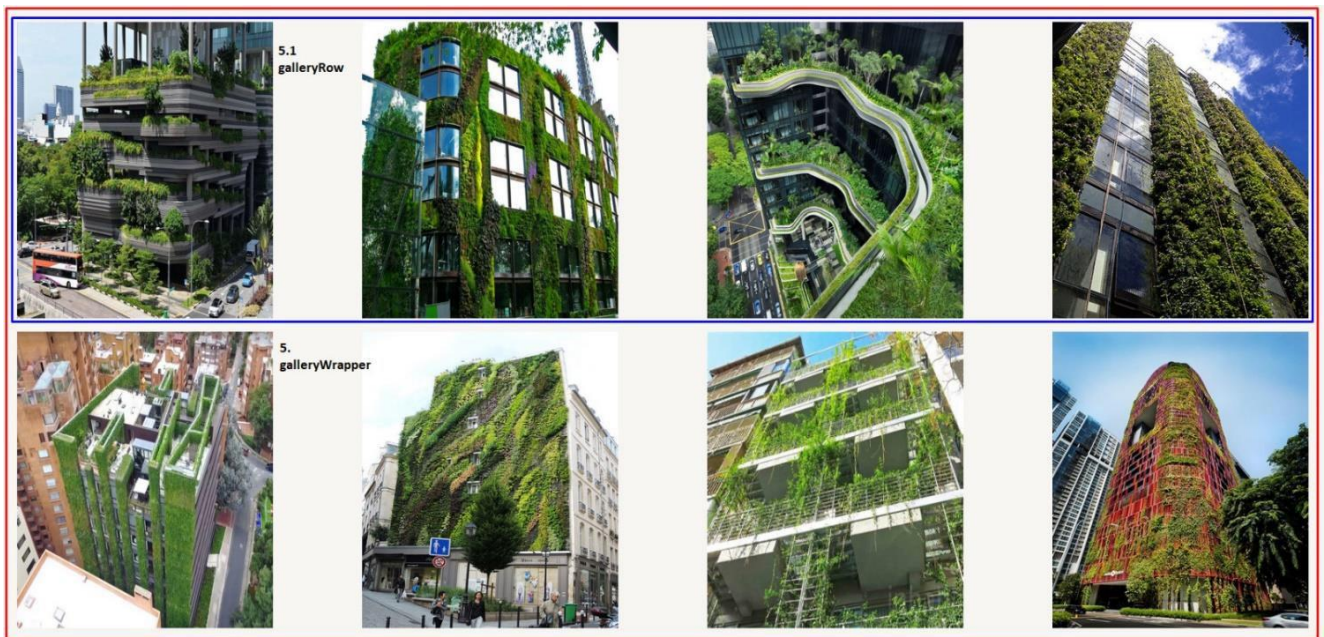
- Dinamički ispis sadržaja (galerija, meni, prodavnica).
- Filtriranje, sortiranje i „search“ opcija
- Rad sa local storage-om
- FancyBox plugin za galeriju



1. Welcome div i menu div



2. Store div



3. Galerija

6. About

6.1 aboutText

My name is Jovan Zejnula. I was born on 5th of August 1997 in Belgrade, Serbia where I currently live in. I graduated Nikola Tesla high school of electrical engineering, and currently I'm a Second year student at ICT College of Vocational Studies in Belgrade with interests in software and web development. I am seeking an internship in order to improve my skills and learn new ones. So far I have acquired basic knowledge of the following programming languages: C#, C, C++, JavaScript.

6.2 skills

6.2.1 skillWrapper

HTML

CSS

JavaScript

f

in

4. About author

2.2) cart.html





- Pregled artikala u local storage-u
- Brisanje artikala iz korpe
- Dodavanje artikala u korpu
- Ukupna suma artikala

7. shoppingCart

Your Cart

7.1 tableResponsive

7.1.1 tableNavigation

Product	Available	Quantity	Price
	Stona biljka	<input type="text" value="1"/>	789 € 
7.1.2 productInCart			
	Biljka za kola	<input type="text" value="1"/>	456 € 

7.1.3 checkout

Total1245 €

[Continue Shopping](#)[CHECKOUT](#)

3. Lista kodova

3.1. Index.html

```
<html>

<head>

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/gh/fancyapps/fancybox@3.5.7/dist/jquery.fancybox.min
.css"/>

    <meta charset="UTF-8">
</head>

<body>
<div class="alert alert-success" id="success-alert">
    <button type="button" class="close" data-dismiss="alert">x</button>
    <strong>Success! </strong> Product has been added to your cart.
</div>
<div class="headingWrapper col-12 text-center">
    <h1 class='headingText'>Magic Vertical Gardens</h1>
</div>
<hr>
<div class="col-12 menuWrapper">
    <div class="menu d-flex justify-content-center">

        </div>
</div>
<div class="welcomeDiv">
    <div class="text-center welcomeText">
        <h2>
            Welcome to Magic Vertical Gardens!
        </h2>
        <p>
            The Magic Vertical Gardens is the place to go for your vertical garden
and artificial plant needs as, let's face it, Magic Vertical Gardens started the
vertical garden craze!
            A vertical garden can brighten up the dreariest corner of your garden
or window-view. For those who are challenged in the "green-thumb" department, you
can get an amazing lush green look by filling your vertical garden with artificial
plants.
            Or blocking ugly fences (or neighbours) with artificial shrubs and
hedges. We can also get your yard set up with; artificial trees, artificial
flowers, wall panels and all sorts of artificial plants.
            Shopping online for outdoor gardens, artificial plants and vertical
gardens.
            At The Magic Vertical Gardens, you are sure to be able to find
something for your outdoor space that you will love and NEED now!
        </p>
    </div>
</div>
<div class="storeWrapper container-fluid text-center">
    <h2>Products</h2>
    <div class="sortFilter container-fluid text-center">
        <div class="sortFilterTag filterWrapper col-3">
            </div>
        <div class="sortFilterTag col-3">
```

```

        <select class="sortBy">
            <option value="PA">Price ascending</option>
            <option value="PD">Price descending</option>
            <option value="NA">Name ascending</option>
            <option value="ND">Name descending</option>
        </select>
    </div>
    <div class="sortFilterTag searchFilter col-3">
        <input class="searchFilterInput" type="text">
    </div>
</div>
<div class="productsWrapper align-middle container-fluid text-center">

</div>
</div>
<div class="gallery align-middle container-fluid text-center clearfix">
</div>

<div class="about row justify-content-center">
    <hr>
    <div class="aboutText col-lg-6 col-xs-12">
        <p>
            My name is Jovan Zejnula.
            I was born on 5th of August 1997 in Belgrade, Serbia where I currently
live in.
            I graduated Nikola Tesla high school of electrical engineering, and
currently I'm a Thrid year student at
            ICT College of Vocational Studies in Belgrade with interests in
software and web development.
            I am seeking am currently employed at a company Levi9 as a QA engineer
and will soon move to a position of a PHP developer.
            So far I have acquired basic knowledge of the following programming
languages: C#, C, C++, JavaScript and PHP.
        </p>
    </div>
    <div class="skills col-lg-6 col-md-12">
        <h2>HTML</h2>
        <div class="skillWrapper">
            <div class="html">80%</div>
        </div>

        <h2>CSS</h2>
        <div class="skillWrapper">
            <div class="css">
                80%
            </div>
        </div>

        <h2>JavaScript</h2>
        <div class="skillWrapper">
            <div class="javascript">60%</div>
        </div>
    </div>
    <hr>
</div>

<div class="copyright justify-content-center text-center">
    <a href="https://www.facebook.com/" target="blank" class="fab fa-facebook fa-5x"></a>
    <a href="#a" class="aboutLink fa fa-info-circle fa-5x"></a>
    <a href="https://www.linkedin.com/in/jovan-zejnula-6a9500173/" target="blank"

```



```
class="fab fa-linkedin fa-5x"></a>
  <a href="assets/dokumentacija.pdf" target="blank" class="fas fa-portrait fa-5x"></a>
  <a href="assets/sitemap.xml" target="blank" class="fa fa-sgit cgit pushitemap fa-5x"></a>
</div>

<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
  integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
  integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js/1.14.7/umd/popper.min.js"
  integrity="sha384-
UO2eT0CpHqdSJK6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
  integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/njGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
<script src="https://kit.fontawesome.com/b42567b6b9.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/jquery@3.4.1/dist/jquery.min.js"></script>
<script
src="https://cdn.jsdelivr.net/gh/fancyapps/fancybox@3.5.7/dist/jquery.fancybox.min.js"></script>
<script src="script.js" type="text/javascript"></script>
<link rel="stylesheet" href="assets/style.css" type="text/css">
</body>

</html>
```

3.2 cart.html

```
<html>

<head>

    <script
src="//maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
    <script
src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
    <link href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-
awesome.min.css" rel="stylesheet" integrity="sha384-
wvfXpqqZ2ZVQK6TAh5PVlGOfQNHSoD2xbE+QkPxCAF1NEevoEH3Sl0sibVcOQVnN"
crossorigin="anonymous">
    <meta charset="UTF-8">
</head>

<body>
    <div class="headingWrapper col-12">
        <div class="heading col-12 text-center">
            <h1 class='headingText'>Vertical Gardens</h1>
            <img>
        </div>
    </div>
    <hr>
    <div class="col-12 menuWrapper">
        <div class="menu d-flex justify-content-center">
            <ul>
                <li>
                    <a href="index.html">Index</a>
                </li>
            </ul>
        </div>
    </div>

    <div class="shoppingCart">

</div>

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.c
ss" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.
js" integrity="sha384-
UO2eT0CpHqdSJK6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEEaFf/nJGzIxFDs4x0xIM+B07jRM"
crossorigin="anonymous"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></scr
ipt>
```



```
    <script src="https://kit.fontawesome.com/b42567b6b9.js"></script>
    <link
href="//maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
    <link rel="stylesheet" href="assets/style.css" type="text/css">
    <link rel="stylesheet" href="assets/cartStyle.scss" type="text/css">
    <script src="cart.js" type="text/javascript"></script>

</body>
</html>
```

3.3 script.js

```
window.onload=function() {

    initialLoad();

    $('.sortBy').on('change',function(){
        localStorage.setItem("sortBy",$(this).val());
        getJSONdata(writeProducts,'products');
    });

    $('.searchFilter').on('input',function(e){
        getJSONdata(writeProducts,'products');
    });

    $('.aboutLink').on('click',function(){
        $(".about").toggle();
    });

}

function initialLoad(){
    $(".alert-success").hide();
    getJSONdata(writeCategories,'categories');
    getJSONdata(writeGallery,'gallery');
    getJSONdata(writeMenu,'menu');
    getJSONdata(writeProducts,'products');
}

function writeCategories(data){
    var ispis="";
    for(category of data)
    {
        ispis+=`<input type='checkbox' class='singleCategory'
id='${category.id}' value='${category.id}'><label
for='${category.id}'>${category.naziv}</label><br>`;
    }
    ispis+="</select>";
    $(".filterWrapper").html(ispis);
    let checkedValues=localStorage.getItem("filterByCategory");
    for(kategorija of $(".singleCategory")){
        if(checkedValues.includes(kategorija.value)){
            kategorija.checked=true;
        }
    }
    $('.singleCategory').on('click',function(){
        getJSONdata(writeProducts,'products');
    });
}

function writeMenu(data){
    ispis='<ul>';
    data.forEach(menuItem=>{
        ispis+=`
        <li>
            <a href="${menuItem.href}">${menuItem.naziv}</a>
        </li>
        `
    })
}
```

```

        ispis+="  
</ul>"
        $('#.menu').html(ispis);
    }

function getJSONdata(callbackFunction, file){
    $.ajax({
        url:"assets/JSONfiles/" + file + ".json",
        type:"JSON",
        method:"GET",
        success:function (data) {
            callbackFunction(data);
        }
    })
}

function sortProducts(products){
    var selectedValue=localStorage.getItem("sortBy");
    if(!selectedValue){
        selectedValue="PA";
        localStorage.setItem("sortBy",selectedValue);
    }
    $('#.sortBy option[value="$ {selectedValue}"]').prop('selected', true)
    if(selectedValue[0]=='P'){
        if(selectedValue[1]=='D')
            products.sort(function(a,b){
                return b.price-a.price;
            });
        else products.sort(function(a,b){
            return a.price-b.price;
        });
    }
    else{
        if(selectedValue[1]=='D')
            products.sort(function(a,b){
                if(a.name>b.name)
                    return -1;
                else return 1;
            });
        else products.sort(function(a,b){
            if(a.name>b.name)
                return 1;
            else return -1;
        });
    }
    return products;
}

function filterByCategory(products){
    var checkedValues=$('#.filterWrapper input:checked').map(function(){
        return $(this).val();
    }).get();
    if(checkedValues.length>0){
        products=products.filter(function(product){
            for(kategorija of product.kategorija){
                if(checkedValues.includes(kategorija))
                    return true;
            }
            return false;
        });
    }
}

```



```
        if(i%4==3)
            ispis+='</div>';

    });
    $('.gallery').html(ispis);
}
```


3.4 Cart.js

```
window.onload = function() {
    getJSONdata(checkForKart, 'products');
    getJSONdata(writeMenu, 'menu');

    $('.shoppingCart').on('change', '.productQuantity', function() {
        quantityInCartChanged($(this).attr('data-id'), $(this).val());
    })

    $('.shoppingCart').on('click', '.trash', function() {
        deleteitem($(this).val());
    })
}

function getJSONdata(callbackFunction, file) {
    $.ajax({
        url: "assets/JSONfiles/" + file + ".json",
        type: "JSON",
        method: "GET",
        success: function (data) {
            callbackFunction(data);
        }
    })
}

function writeMenu(data) {
    ispis='<ul>';
    data.forEach(menuItem=>{
        ispis+=`
            <li>
                <a href="${menuItem.href}">${menuItem.naziv}</a>
            </li>
        `
    })
    ispis+="</ul>"
    $('.menu').html(ispis);
}

function checkForKart(products) {

    var currentCart = JSON.parse(localStorage.getItem("products"));

    if (currentCart==null) {
        displayCart([]);
        return 0;
    }

    products = products.filter(product =>
        {
            let inCart=false;
            currentCart.forEach(productInCart =>
                {
                    if(product.id==productInCart.id)
                    {
                        inCart=true
                    }
                }
            )
        }
    )
}
```



```

        ispis = displayCartEmpty(productsTodisplay, ispis);
    }
    else{
        ispis = displayCartFull(productsTodisplay, ispis);
    }

    $('.shoppingCart').html(ispis);
}

function displayCartFull(productsTodisplay, ispis){
    let total=0;

    productsTodisplay.forEach(product => {

        total+=product.quantity * product.price

        ispis+=
            `
            <tr class='productInCart'>
                <td><img src=${product.productImage} /> </td>
                <td>${product.name}</td>
                <td></td>
                <td><input class="form-control productQuantity" data-
id=${product.id} type="text" value=${product.quantity} /></td>
                <td class="text-right">${product.quantity *
product.price} &euro;</td>
                <td class="text-right"><button class="btn btn-sm btn-
danger trash" value=${product.id}><i class="fa fa-trash"></i> </button>
</td>
            </tr>
            `;

    });

    ispis+=
        `
        <tr>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
            <td><strong>Total</strong></td>
            <td class="text-right"><strong>${total} &euro;</strong></td>
        </tr>
        `;

    ispis+=
        `
    </tbody>
        </table>
    </div>
</div>
<div class="col mb-12 checkout">
    <div class="row">
        <div class="col-sm-12 col-md-6">
            <a href="index.html"><button class="btn btn-block

```

```

    btn-light">Continue Shopping</button></a>
        </div>
        <div class="col-sm-12 col-md-6 text-right">
            <button class="btn btn-lg btn-block btn-success
text-uppercase">Checkout</button>
        </div>
    </div>
</div>
</div>
</div>
`
return ispis;
}

function displayCartEmpty(productsToDisplay, ispis){
    ispis+=
    `
        </tbody>
        </table>
        </div>
        <h3 class='col-12 align-self-center text-center'>No
products to display</h3>
    </div>
    <div class="col mb-2">
        <div class="row">
            <div class="col-md-12">
                <a href="index.html"><button class="btn btn-block
btn-success">Continue Shopping</button></a>
            </div>
        </div>
    </div>
    return ispis;
}

function quantityInCartChanged(itemInCartId,quantityFromCart){
    var productsInCart = JSON.parse(localStorage.getItem('products')) ;

    productsInCart.forEach(product => {
        if(product.id==itemInCartId)
            product.quantity=quantityFromCart
    })

    localStorage.setItem('products',JSON.stringify(productsInCart));
    getProducts(checkForKart)
}

function getProducts(callbackFunction){
$.ajax({
    url:"assets/JSONfiles/products.json",
    type:"JSON",
    method:"GET",
    success:function (data) {
        callbackFunction(data);
    }
})
}

```

3.5 JSON files

3.5.1 categories.json

```
[
  {
    "id": 0,
    "naziv": "Wall plant"
  },
  {
    "id": 1,
    "naziv": "Table plant"
  },
  {
    "id": 2,
    "naziv": "Car plant"
  }
]
```

3.5.2 gallery.json

```
[
  {
    "id": 0,
    "src": "assets/images/gallery1.jpg"
  },
  {
    "id": 1,
    "src": "assets/images/gallery2.jpg"
  },
  {
    "id": 2,
    "src": "assets/images/gallery3.jpg"
  },
  {
    "id": 3,
    "src": "assets/images/gallery4.jpg"
  },
  {
    "id": 4,
    "src": "assets/images/gallery5.jpg"
  },
  {
    "id": 5,
    "src": "assets/images/gallery6.jpg"
  },
  {
    "id": 6,
    "src": "assets/images/gallery7.jpg"
  },
  {
    "id": 7,
    "src": "assets/images/gallery8.jpg"
  }
]
```

3.5.3 menu.json

```
[
  {
    "id": 0,
```

```
        "naziv": "Shop",
        "href": "index.html"
    },
    {
        "id": 1,
        "naziv": "Cart",
        "href": "cart.html"
    }
]
```

3.5.4 products.json

```
[
  {
    "id": 0,
    "name" : "Wall plant",
    "productImage": "assets/images/article1.jpg",
    "price": 150,
    "kategorija": "0"
  },
  {
    "id": 1,
    "name" : "Table plant",
    "productImage": "assets/images/article2.jpg",
    "price": 250,
    "kategorija": "1"
  },
  {
    "id": 2,
    "name" : "Car plant",
    "productImage": "assets/images/article3.jpg",
    "price": 200,
    "kategorija": ["2", "1"]
  },
  {
    "id": 3,
    "name" : "Car plant in a pot",
    "productImage": "assets/images/article4.jpg",
    "price": 300,
    "kategorija": ["2", "1"]
  }
]
```


3.6 style.css

```
@font-face {
  font-family: "Raleway";
  src:'fonts/Raleway-Regular';
}

*{
  margin:0px;
  padding:0px;
  font-family: 'Raleway';
}

body{
  background-color: #f8f6f2;
}

.alert-success{
  position: sticky;
  top: 0;
  z-index: 1000;
}

.headingText{
  font-size:69px;
  color:#38452d;
}

hr{
  color:#f8f6f2;
}

.menu ul li{
  display: inline-block;
  margin-right:200px;
}

.menu ul li:last-child {
  margin-right: 0px;
}

.testImg{
  width:100%;
  opacity:0.4;
}

.welcomeDiv{
  position: relative;
  background-image:url("images/verticalGardenRelative.jpg");
  background-repeat: no-repeat;
  background-attachment: fixed;
  background-position: bottom;
  background-size: cover;
  padding:13%;
}

.welcomeText{
  position: relative;
```

```

        bottom:30px;
        /* padding: 0 200px; */
        left:0;
        color:white;
        text-shadow: 2px 2px 5px #000;
        font-size:19px;
    }

    .welcomeDiv:before{
        position: absolute;
        content: '';
        top:0;
        left:0;
        width:100%;
        height:100%;
        background-color: rgba(0, 0, 0, 0.4);
    }

    .sortFilterTag{
        display:inline-block;
    }

    .row{
        margin:0;
        padding:0;
    }

    .storeWrapper{
        padding:0;
        color:#38452d;
    }

    .productsWrapper{
        min-height: 400px;
        padding:80px 60px;
    }

    .singleProduct{
        padding:40px;
        display: inline-block;
        margin-bottom: 50px;
        box-shadow: -8px 10px 23px 0px rgba(150,147,150,1);
        transition: box-shadow 0.3s ease-in-out;
        max-width: 100%;
        margin-left:10px;
        background-color:white;
    }

    .singleProduct:hover{
        box-shadow: 8px 10px 23px 0px rgba(150,147,150,1);
    }

    .singleProduct img{
        width:170px;
    }

    .img_inner {
        max-width: 100%;
        -moz-box-sizing: border-box;
        -webkit-box-sizing: border-box;
        -o-box-sizing: border-box;
        box-sizing: border-box;
    }

```

```

margin-bottom:0px;
margin-top: 0px;
border: 5px solid #717262;
}

.gallery a img{
width:450px;
height: 450px;
margin-bottom: 20px;
padding: 0px 31px;
}

/*cart css*/

/*
** Style Simple Ecommerce Theme for Bootstrap 4
** Created by T-PHP https://t-php.fr/43-theme-ecommerce-bootstrap-4.html
*/
.bloc_left_price {
color: #c01508;
text-align: center;
font-weight: bold;
font-size: 150%;
}
.category_block li:hover {
background-color: #007bff;
}
.category_block li:hover a {
color: #ffffff;
}
.category_block li a {
color: #343a40;
}
.add to cart block .price {
color: #c01508;
text-align: center;
font-weight: bold;
font-size: 200%;
margin-bottom: 0;
}
.add_to_cart_block .price_discounted {
color: #343a40;
text-align: center;
text-decoration: line-through;
font-size: 140%;
}
.product_rassurance {
padding: 10px;
margin-top: 15px;
background: #ffffff;
border: 1px solid #6c757d;
color: #6c757d;
}
.product_rassurance .list-inline {
margin-bottom: 0;
text-transform: uppercase;
text-align: center;
}
.product_rassurance .list-inline li:hover {
color: #343a40;
}

```

```
.reviews_product .fa-star {
    color: gold;
}

.pagination {
    margin-top: 20px;
}

footer {
    background: #343a40;
    padding: 40px;
}

footer a {
    color: #f8f9fa!important;
}

.shoppingCart{
    color:#38452d!important;
}

/* end of cart css */

/* Author */
.about{
    background: #f8f6f2;
    color:#38452d;
    text-align: center;
    display:none;
}

.aboutText{
    max-width: 100%;
    text-align: center;
    padding:5%;
    font-size: 25px;
}

.skillWrapper{
    box-sizing: border-box;
    border:1px solid black;
    text-align: end;
    width: 100%;
    margin:20px 0;
    border-radius: 25px;
}

.html{
    padding:10px;
    width:30px;
    background-color:red;
    border-radius: 25px;
}

.css{
    padding:10px;
    width:30px;
    background-color:red;
    border-radius: 25px;
}
```

```
.javascript{
    padding:10px;
    width:30px;
    background-color:red;
    border-radius: 25px;
}

.about:hover .html:not(:hover) {
    transition: width 1s;
    width:80%;
}

.about:hover .css:not(:hover) {
    transition: width 1s;
    width:80%;
}

.about:hover .javascript:not(:hover) {
    transition: width 1s;
    width:60%;
}

.html:hover{
    transition: width 1s;
    width:80%;
}

.html:not(:hover){
    transition: width 1s;
    width:30px;
}

.css:hover{
    transition: width 1s;
    width:80%;
}

.css:not(:hover){
    transition: width 1s;
    width:30px;
}

.javascript:hover{
    transition: width 1s;
    width:60%;
}

.javascript:not(:hover){
    transition: width 1s;
    width:30px;
}

/* End of author */
```