VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I
KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

Web programiranje 2

https://jelenaberber.github.io/kahove/

Jelena Berber 261/22

Smer: Internet tehnologije

Modul: Web programiranje

Predmet: Web programiranje 2

Contents

1.Uvod

1.1 Korišćeni tehnologije

• HTML

• XML

• CSS

• SASS

• Javascript

• JSON

• jQuery

• Bootstrap v4.5 (bez JS-a)

Rađeno u Visual studio code. Sajt hostovan na GitHub.

1.2 Opis funkcionalnosti

• Dinamičko ispisivanje navigacionog menija , iz JSON fajla

• Otvaranje eskpandirajućeg menija na manjim rezolucijama klikom na 'hamburger' ikonicu

• Dinamičko ispisivanje linkova u footer-u

• Upotreba AJAX-a za čitanje JSON fajlova koje se realiyuje funkcijama. U slučaju dolaska do greške, iste se obradjuju

• Dinamička prodavnica, gde su proizvodi, kategorije, brendovi učitani iz JSON fajla, a dostupno je filtriranje i sortiranje proizvoda

• Korpa sa količinom i ukupnim iznosom, kao I obračunavanjem medjuybira sa cenom dostave, pored čega se nalazi forma za upis podataka za naručivanje proizvoda iz gore pomenute korpe

• Provera unetih podataka u formu prilikom napustanja pojedinačnih polja ili nakon pritiska na dugme submit/validacija forme

• Pritiskom na dugme submit, u slučaju da su sva polja ispravno popunjena, otvara se modal sa porukom za korisnika

• Nakon uspešnog unošenja podataka za naručivanje, korisniku se prikazuje informacija o istom

• Nakon dodavanja proizvoda u korpu korisniku se na par sekundi pokazuje informacija o aktivnosti dodavanja u korpu

1.3 Template

 Za izradu nije korišćen gotov template, sajt je ručno pisan uz pomoć Bootstrap framework-a. Kod koji realizuje sajt je priložen u nastavku dokumenta.

2. Organizacija

2.1. Organizaciona šema
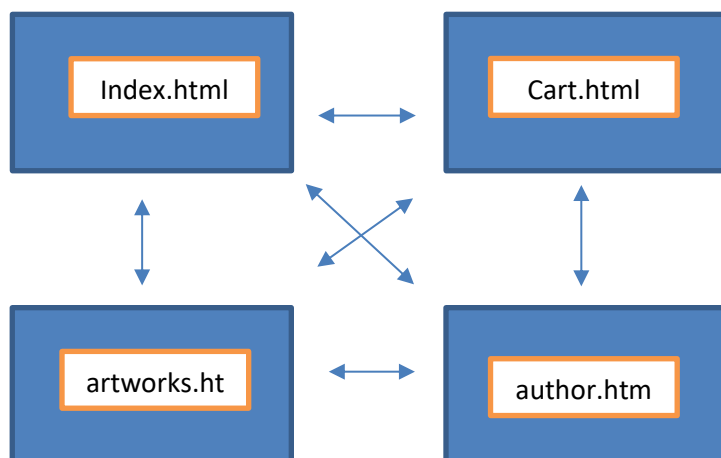
2.3 Opis funkcionalnosti na stranici

2.3.1 Pocetna (index.html)

Prilikom učitavanja stranice JavaScript-om dinamički, iz JSON fajla, ispisuje lista u navigacionom meniju. Navigacioni meni nestaje na manjim rezolucijama i pojavljuje se „hamburger" dugme koje kada se pritisne otvara navigaciju i prikazuje linkove,. Klik na link u navigaciji vodi na određenu sekciju stranice. Klikom na dugme sa ikonicom korpe u desnom uglu otvara se istoimena stranica koja prikazuje stavke koje ste uznacili da želite da kupite.
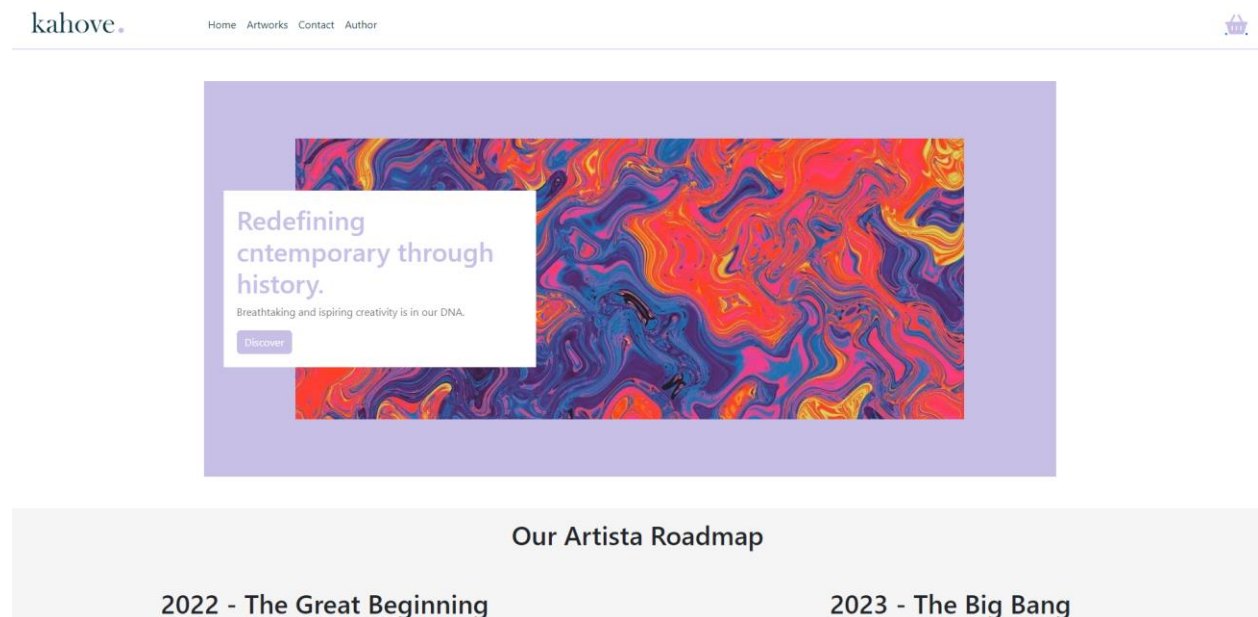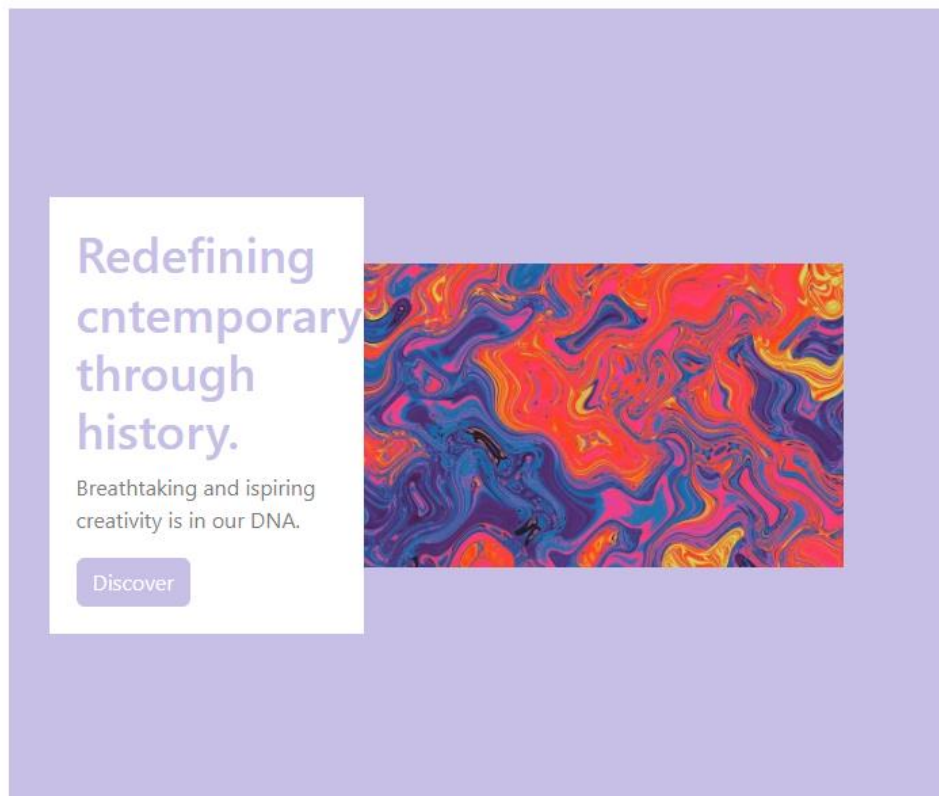
2.3.2 Artworks (artworks.html)

Prilikom ispisivanja stranice, ucitavaju se Header i Footer kao i na ostalim stranicama. Ispisivanje proizvoda je dinamicki po kojima se može sortirati sveukupna ponuda. Dugme "purchuse" prikazuje obavestenje o dodavanju u korpu koje nestaje posle nekoliko sekundi. Sadržaj se dodaje I smešta u localStorage odakle se kasnije ispisuje na stranici korpa. Prilikom svakog ponovnog klika na isti proizvod kolicina se povećava I to se moze videti u gornjem desnom uglu kod dugmeta korpa. Pored korpe se nalayi broj koji u svakom trenutku na svakoj stranici prikayuje ukupan broj knjiga koje su dodate u korpu.

2.3.3 Cart (cart.html)

Na ovoj stranici se nalazi tabela sa izabranim proizvodima i forma za porucivanje.

Products

	Picture	Name	Price	Amount	Manage
1		Van Gogh Portrait	330.00$	+ 1 −	Delete from cart
2		Fluffy Mona Lisa	450.00$	+ 1 −	Delete from cart
3		Fluffy Night	400.00$	+ 1 −	Delete from cart

Delete all products

Order details

Name

Subtotal: 1180.00$

Order details

Subtotal: 1180.00$

Shipping: 200.00$

Total: 1380.00$

Ukoliko je korpa prazna prikazzuje se sledece:

3.Kodovi

3.1. HTML

3.1.1. index.html

```html
<!doctype html>
<html lang="en">
<head>
    <meta charset="UTF-8">
```

```html
    <meta name="viewport"
          content="width=device-width, user-scalable=no, initial-scale=1.0,
maximum-scale=1.0, minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <!--Bootstrap-->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css
" rel="stylesheet" integrity="sha384-
Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
crossorigin="anonymous">
    <!--CSS-->
    <link rel="stylesheet" href="assets/css/style.css" type="text/css"/>
    <!-- Font awesome -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.1/css/all.min.css">


    <title>Home</title>
</head>
<body>
<header>
    <div class="container-fluid">
        <nav class="navbar navbar-expand-lg bg-white">
            <div class="container-fluid">
                <a class="navbar-brand" href="index.html"><img
src="assets/img/logo.png" alt="Logo"class="logo"/></a>
                <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarTogglerDemo02" aria-
controls="navbarTogglerDemo02" aria-expanded="false" aria-label="Toggle
navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse"
id="navbarTogglerDemo02">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0" id="nav">
                        <!--ispis-->
                    </ul>
                    <a class="d-flex" href="cart.html">
                        <i class="fa-solid fa-basket-shopping basket"></i>
                    </a>
                </div>
            </div>
        </nav>
    </div>
    <span class="line"></span>
</header>

<main>
    <div class="container mt-5">
        <div class="row d-flex align-items-center" id="block">

            <div class="col-3 heroCarousel-content">
                <h1>Redefining cntemporary through history.</h1>
                <p>Breathtaking and ispiring creativity is in our DNA.</p>
                <button class="btn btn-primary button"><a
href="artworks.html">Discover</a></button>
            </div>
```

```html
            <div class="col-12 d-flex justify-content-center align-items-
center">
                <img src="assets/img/banner_image.jpg" alt="colors">
            </div>
        </div>
    </div>
    <div class="container-fluid grey mt-5 d-flex flex-column align-items-
center flex-wrap">
        <h1 class="col-12 text-center pt-3">Our Artista Roadmap</h1>
        <div class="row d-flex justify-content-around my-5" id="content">
        <!--ispis-->
        </div>
    </div>
    <div class="container my-5">
        <div class="row d-flex justify-content-center">
            <div class="col-6">
                <img src="assets/img/fluffy_scream.jpg" alt="Fluffy scream"
class="product-img"/>
            </div>
            <div class="col-5 d-flex justify-content-center flex-column">
                <h2>FLUFFY ART</h2>
                <p>Classical and contemporary masterpieces recreated using
creatively placed dyed fur.</p>
                <button class="btn btn-primary button more" type="submit"><a
href="artworks.html">See more</a></button>
            </div>
        </div>
    </div>
    <div class="container-fluid purple p-3">
        <div class="row d-flex justify-content-around">
            <div class="col-3 d-flex align-items-center flex-column p-3">
                <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                <h2 class="text-center">Free Worldwide Shipping</h2>
                <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
            </div>
            <div class="col-3 d-flex align-items-center flex-column p-3">
                <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                <h2 class="text-center">Free Worldwide Shipping</h2>
                <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
            </div>
            <div class="col-3 d-flex align-items-center flex-column p-3">
                <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                <div class="col-12">
                    <h2 class="text-center">Free Worldwide Shipping</h2>
                    <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
                </div>
            </div>
        </div>
    </div>
</main>
<footer>
```

```html
    <div class="container-fluid blue mt-5 py-5">
        <div class="row d-flex justify-content-center" id="footer">
            <div class="col-10 d-flex justify-content-around fut"
id="menu"></div>
            <div class="col-10 d-flex justify-content-around fut mt-5"
id="important"></div>


        </div>
    </div>


    <script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.j
s" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.mi
n.js" integrity="sha384-
OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
crossorigin="anonymous"></script>
    <script src="assets/js/main.js"></script>

</footer>
</body>
</html>
```

3.1.2 artworks.html

```html
<!doctype html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
          content="width=device-width, user-scalable=no, initial-scale=1.0,
maximum-scale=1.0, minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <!--Bootstrap-->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css
" rel="stylesheet" integrity="sha384-
Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
crossorigin="anonymous">
    <!--CSS-->
    <link rel="stylesheet" href="assets/css/style.css" type="text/css"/>
    <!-- Font awesome -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.1/css/all.min.css">


    <title>Home</title>
</head>
<body>
<header>
```

```html
    <div class="container-fluid">
        <nav class="navbar navbar-expand-lg bg-white">
            <div class="container-fluid">
                <a class="navbar-brand" href="index.html"><img
src="assets/img/logo.png" alt="Logo"class="logo"/></a>
                <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarTogglerDemo02" aria-
controls="navbarTogglerDemo02" aria-expanded="false" aria-label="Toggle
navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse"
id="navbarTogglerDemo02">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0" id="nav">
                        <!--ispis-->
                    </ul>
                    <a class="d-flex" href="cart.html">
                        <i class="fa-solid fa-basket-shopping basket"></i>
                    </a>
                </div>
            </div>
        </nav>
    </div>
    <span class="line"></span>
</header>

<main>
    <div class="container mt-5">
        <div class="row d-flex align-items-center" id="block">

            <div class="col-3 heroCarousel-content">
                <h1>Redefining cntemporary through history.</h1>
                <p>Breathtaking and ispiring creativity is in our DNA.</p>
                <button class="btn btn-primary button"><a
href="artworks.html">Discover</a></button>
            </div>
            <div class="col-12 d-flex justify-content-center align-items-
center">
                <img src="assets/img/banner_image.jpg" alt="colors">
            </div>
        </div>
    </div>
    <div class="container-fluid grey mt-5 d-flex flex-column align-items-
center flex-wrap">
        <h1 class="col-12 text-center pt-3">Our Artista Roadmap</h1>
        <div class="row d-flex justify-content-around my-5" id="content">
        <!--ispis-->
        </div>
    </div>
    <div class="container my-5">
        <div class="row d-flex justify-content-center">
            <div class="col-6">
                <img src="assets/img/fluffy_scream.jpg" alt="Fluffy scream"
class="product-img"/>
            </div>
            <div class="col-5 d-flex justify-content-center flex-column">
                <h2>FLUFFY ART</h2>
```

```html
                    <p>Classical and contemporary masterpieces recreated using
creatively placed dyed fur.</p>
                    <button class="btn btn-primary button more" type="submit"><a
href="artworks.html">See more</a></button>
                </div>
            </div>
        </div>
        <div class="container-fluid purple p-3">
            <div class="row d-flex justify-content-around">
                <div class="col-3 d-flex align-items-center flex-column p-3">
                    <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                    <h2 class="text-center">Free Worldwide Shipping</h2>
                    <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
                </div>
                <div class="col-3 d-flex align-items-center flex-column p-3">
                    <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                    <h2 class="text-center">Free Worldwide Shipping</h2>
                    <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
                </div>
                <div class="col-3 d-flex align-items-center flex-column p-3">
                    <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                    <div class="col-12">
                        <h2 class="text-center">Free Worldwide Shipping</h2>
                        <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
                    </div>
                </div>
            </div>
        </div>
    </main>
<footer>
    <div class="container-fluid blue mt-5 py-5">
        <div class="row d-flex justify-content-center" id="footer">
            <div class="col-10 d-flex justify-content-around fut"
id="menu"></div>
            <div class="col-10 d-flex justify-content-around fut mt-5"
id="important"></div>

        </div>
    </div>


    <script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.j
s" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.mi
n.js" integrity="sha384-
OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
```

```
crossorigin="anonymous"></script>
    <script src="assets/js/main.js"></script>


</footer>
</body>
</html>
```

3.1.3 cart.html

```
<!doctype html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
          content="width=device-width, user-scalable=no, initial-scale=1.0,
maximum-scale=1.0, minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <!--Bootstrap-->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css
" rel="stylesheet" integrity="sha384-
Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
crossorigin="anonymous">
    <!--CSS-->
    <link rel="stylesheet" href="assets/css/style.css" type="text/css"/>
    <!-- Font awesome -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.1/css/all.min.css">


    <title>Home</title>
</head>
<body>
<header>
    <div class="container-fluid">
        <nav class="navbar navbar-expand-lg bg-white">
            <div class="container-fluid">
                <a class="navbar-brand" href="index.html"><img
src="assets/img/logo.png" alt="Logo"class="logo"/></a>
                <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarTogglerDemo02" aria-
controls="navbarTogglerDemo02" aria-expanded="false" aria-label="Toggle
navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse"
id="navbarTogglerDemo02">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0" id="nav">
                        <!--ispis-->
                    </ul>
                    <a class="d-flex" href="cart.html">
                        <i class="fa-solid fa-basket-shopping basket"></i>
                    </a>
                </div>
            </div>
```

```html
            </nav>
        </div>
        <span class="line"></span>
</header>

<main>
    <div class="container mt-5">
        <div class="row d-flex align-items-center" id="block">

            <div class="col-3 heroCarousel-content">
                <h1>Redefining cntemporary through history.</h1>
                <p>Breathtaking and ispiring creativity is in our DNA.</p>
                <button class="btn btn-primary button"><a
href="artworks.html">Discover</a></button>
            </div>
            <div class="col-12 d-flex justify-content-center align-items-
center">
                <img src="assets/img/banner_image.jpg" alt="colors">
            </div>
        </div>
    </div>
    <div class="container-fluid grey mt-5 d-flex flex-column align-items-
center flex-wrap">
        <h1 class="col-12 text-center pt-3">Our Artista Roadmap</h1>
        <div class="row d-flex justify-content-around my-5" id="content">
        <!--ispis-->
        </div>
    </div>
    <div class="container my-5">
        <div class="row d-flex justify-content-center">
            <div class="col-6">
                <img src="assets/img/fluffy_scream.jpg" alt="Fluffy scream"
class="product-img"/>
            </div>
            <div class="col-5 d-flex justify-content-center flex-column">
                <h2>FLUFFY ART</h2>
                <p>Classical and contemporary masterpieces recreated using
creatively placed dyed fur.</p>
                <button class="btn btn-primary button more" type="submit"><a
href="artworks.html">See more</a></button>
            </div>
        </div>
    </div>
    <div class="container-fluid purple p-3">
        <div class="row d-flex justify-content-around">
            <div class="col-3 d-flex align-items-center flex-column p-3">
                <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                <h2 class="text-center">Free Worldwide Shipping</h2>
                <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
            </div>
            <div class="col-3 d-flex align-items-center flex-column p-3">
                <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                <h2 class="text-center">Free Worldwide Shipping</h2>
                <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
```

```html
Countries.</p>
            </div>
            <div class="col-3 d-flex align-items-center flex-column p-3">
                <i class="fa-sharp fa-solid fa-bag-shopping icons"></i>
                <div class="col-12">
                    <h2 class="text-center">Free Worldwide Shipping</h2>
                    <p class="text-center">Our Artworks Are Enjoyed And
Appreciated In Every Corner Of The World, We Ship Directly To 200+
Countries.</p>
                </div>
            </div>
        </div>
    </div>
</main>
<footer>
    <div class="container-fluid blue mt-5 py-5">
        <div class="row d-flex justify-content-center" id="footer">
            <div class="col-10 d-flex justify-content-around fut"
id="menu"></div>
            <div class="col-10 d-flex justify-content-around fut mt-5"
id="important"></div>


        </div>
    </div>


    <script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.j
s" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.mi
n.js" integrity="sha384-
OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
crossorigin="anonymous"></script>
    <script src="assets/js/main.js"></script>

</footer>
</body>
</html>
```

3.2 Javascript

```javascript
window.onload = () =>{
    function getData(file, callback){
        $.ajax({
            url: "assets/data/" + file + ".json",
            method: 'get',
            dataType: "json",
            success: callback,
            error: function(err){
                console.log(err);
            }
```

```
        });
    }
    let url = window.location.pathname;
    console.log(url)
    if(url.indexOf('artworks') != -1){
        pageArtworks();
        getData('categories', printCategories);
    }
    if(url.indexOf('cart') != -1){
        pageCart();
    }
    else{
        index();
    }
    getData('meni', printNavAndFooter);



        function printNav(data){
        console.log(data)
        let htmlNav = '';
        for (let i = 0; i < data.length; i++) {
            htmlNav += `<li class="nav-item"><a class="nav-link active link"
aria-current="page" href="${data[i].src}">${data[i].name}</a></li>`
        };
        return htmlNav;
    }
    function printNavAndFooter(data) {
        let print = printNav(data);
        $("#nav").html(print);
        //footer
        $("#menu").html(print);
        var dataContact = [{"src":"dokumentacija.pdf", "name" :
"Dokumentacija"},
        {"src":"sitemap.xml", "name" : "Sitemap "}, {"src":"main.js", "name"
: "Javascript "}];
        let fut = printNav(dataContact);
        $("#important").html(fut);
    }

    function index(){
        function printContent(data) {
            let html = '';
            for (let element of contents) {
                html += `<div class="col-${element.col}">
                <h1 class="text-center">${element.title}</h1>
                <p>${element.content}</p>
                </div>`
            }
            return html;
        }
        var contents = [{
            "col":"4", "title": "2022 - The Great Beginning",
            "content": "Founded in 2022 with the Fluffy Mona Lisa as our
debut artwork. Recreating historical masterpieces in creative and
extraordinary forms was our initial design directive."
```

```javascript
        },
            {
                "col":"4", "title": "2023 - The Big Bang",
                "content": "The year Kahove enters the art industry and makes
significant changes to the way art is understood and enjoyed throughout the
world. The introduction of fine art pieces using advanced and complex
production techniques. To create and deliver 1,000,000 artworks around the
world in the year 2023."
            }]
        var html = printContent(contents);
        console.log(html)
        $("#content").html(html);
    }

    function artworks(data){
        let printHtml = '';
        console.log(data)
        data = filterCategory(data);
        data = sortPrice( data);
        data = dostupnostFilter(data);
        data = filterShipping(data);
        for(let art of data){
            printHtml += `<div class="col-3 mx-1 my-3">
            <div class="card h-100 w-100">
                <img src="${art.img.src}" class="card-img-top"
alt="${art.img.alt}">
                <div class="card-body d-flex flex-column align-items-center">
                    <h5 class="card-title">${art.name}</h5>
                    <p>Price: ${art.price}.00$</p>
                    <button type="button" class="btn btn-primary button purchase"
data-id="${art.id}">Purchase Now</button>
                </div>
                <div class="card-footer">
                    <small class="text-muted">Shipping:
${art.shipping}.00$</small>
                </div>
                </div>
            </div>`
        }
        $(".arts").html(printHtml);
    }
    function printCategories(data){
        let html = "";
        data.forEach(cat => {
            html += `<li class="list-group-item border border-0">
                <input type="checkbox" value="${cat.id}" class="category"
name="categories"/> ${cat.name}
                </li>`;
        });
        document.getElementById('categories').innerHTML = html;
        categories = data;
        getData('products', artworks);
        $('.category').change(promenaFiltera);
    }
    function filterCategory(data){
        let selectedCategories = [];
        $('.category:checked').each(function(el){
```

```javascript
                selectedCategories.push(parseInt($(this).val()));
                console.log(selectedCategories)
            });
            if(selectedCategories.length != 0){
                let products = []
                for(let el of data){
                    for(let cat of selectedCategories){
                        if(el.categoryId == cat){
                            products.push(el)
                        }
                    }
                }
                return products;
            }
            else{
                return data;
            }
        }
    function promenaFiltera(){
        getData("products", artworks);
    }
    function availableProducts(){
        let available = [{'id' : 1, 'name' : 'Available for shipping'}, {'id'
: 2, 'name' : 'Not available'}];
        makeDdl('Available', available, '#available');
        $('#available').change(promenaFiltera);
    }
    availableProducts();
    function dostupnostFilter(data){
        var available = $('#available').find(":selected").val();
        console.log(available)
        if(available == 1){
            return data.filter(x => x.inStock);
        }
        else if(available == 2){
            return data.filter(x => !x.inStock);
        }
        return data
    }
    function printSortByPrice(){
        let price = [{'id':'asc', 'name':'Ascending'}, {'id':'desc',
'name':'Descending'}, {'id':'popular', 'name':'Most popular'}, {'id':'new',
'name':'New products'}];
        makeDdl('Sort', price, '#price');
    }
    printSortByPrice();
    function sortPrice(data){
        var sort = $('#price').find(":selected").val();
        if (sort == 'asc'){
            return data.sort((a,b) => a.price >b.price ? 1 : -1);
        }
        else if(sort == 'desc'){
            return data.sort((a,b) => a.price < b.price ? 1 : -1);
        }
        else if(sort = "popular"){
            return data.sort((a,b) => a.sold < b.sold ? 1 : -1);
        }
```

```javascript
        else{
            return data
        }
    }
    $("#price").change(promenaFiltera);
    function shippingCost(){
        let shippingCosts = [{'id' : 1, 'name' : 'Free shipping'}, {'id' : 2,
'name' : 'Not free'}];
        makeDdl('Shipping', shippingCosts, '#shipping');
        $('#shipping').change(promenaFiltera);
    }
    shippingCost();
    function filterShipping(data){
        var shipping = $('#shipping').find(":selected").val();
        console.log(shipping)
        if(shipping == 1){
            return data.filter(x => !x.shipping);
        }
        else if(shipping == 2){
            return data.filter(x => x.shipping > 0);
        }
        return data
    }
    function pageArtworks(){
        getData('products', productsInCart);
        function productsInCart(data){
            $(document).on("click",".purchase",function(){
                var id = $(this).data('id');
                var productsInCart =
getItemsFromLocalStorage('productsInCart');
                if(productsInCart){
                    let le = existsInCart();
                    if(existsInCart()){
                        addAmount();
                    }
                    else {
                        putInCart();
                    }
                }
                else{
                    firstItem();
                }
                function putInCart(){
                    let products =
getItemsFromLocalStorage('productsInCart');
                    let newProduct = [];
                    newProduct = {
                        id: id,
                        amount: 1
                    }
                    products.push(newProduct);
                    setItemToLocalStorage('productsInCart', products)
                }
                function existsInCart(){
                    for(obj of productsInCart){
                        if(obj.id == id){
                            return true;
```

```
                }
            }
            return false;
        }
        function addAmount(){
            let products = getItemsFromLocalStorage('productsInCart')
            for(let i=0; i<products.length; i++){
                if(products[i].id == id){
                    products[i].amount += 1;
                }
            }
            setItemToLocalStorage('productsInCart', products);
        }
        function firstItem (){
            let products = [];
            products[0] = {
                id: id,
                amount: 1
            }
            setItemToLocalStorage("productsInCart", products);
        }


        console.log(getItemsFromLocalStorage('productsInCart'))
    })
    }
}

function pageCart(){
    getData('products', printProduct)
    function printProduct(data) {
        let productsInLS = getItemsFromLocalStorage('productsInCart');
        let innerHtml = '';
        let allProducts = data;
        let count = 0;
        let shipping = 0;
        let price = 0;
        if(productsInLS === null || productsInLS === []){
            innerHtml = `<div class="row d-flex justify-content-center
flex-column align-items-center">
                        <h1 class="blueLetters text-center mt-5">Your
cart is empty</h1>
                        <img src="assets/img/empty_cart.jpg"
alt="EmptyCart" class="col-6 mt-5">
                        <button class="btn button col-2 mt-5"><a
href="artworks.html">Go back to shopping</a></button>
                    </div>`
            $('#print').html(innerHtml);
            $('#form').hide();
            $('#deleteAll').hide();
        }
        else{
            innerHtml = `<div class="container-fluid mt-5 d-flex flex-
column align-items-center">
                        <h1 class="text-center blueLetters">Products</h1>
                        <span class="dot mb-5"></span>
                        <div class="col-12 d-flex flex-column justify-
```

```
content-center align-items-center">
                                <table class="col-12 text-center">
                                    <thead>
                                    <tr>
                                        <th scope="col"></th>
                                        <th scope="col">Picture</th>
                                        <th scope="col">Name</th>
                                        <th scope="col">Price</th>
                                        <th scope="col">Amount</th>
                                        <th scope="col">Manage</th>
                                    </tr>
                                    </thead>
                                    <tbody id="printProductsInCart">`
            for(let el of allProducts){
                for (let pr of productsInLS)
                    if (pr.id == el.id){
                        count++;
                        innerHtml += `<tr>
                    <th scope="row">${count}</th>
                    <td class="col-2"><img src="${el.img.src}"
alt="${el.img.alt}" class="col-5 pt-3"/></td>
                    <td>${el.name}</td>
                    <td>${el.price}.00$</td>
                    <td><button class="btn button plus" data-
plus="${el.id}"><i class="fa-solid fa-plus"></i></button> ${pr.amount}
<button class="btn button minus" data-minus="${el.id}"><i class="fa-solid fa-
minus"></i></button></td>
                    <td><button class="btn button deleteItem" data-
delete="${el.id}">Delete from cart</button></td>
                </tr>`
                        if (el.shipping != 0){
                            shipping += el.shipping
                        }
                        price += el.price * pr.amount;
                    }
            }
            let totalPrice = shipping + price;
            innerHtml += `</tbody>
                            </table>
                        </div>`
            let bill = `<h1 class="text-center blueLetters pt-3">Order
details</h1>
                        <p class="px-5 fs-5 py-3">Subtotal:
${price}.00$</p>
                        <p class="px-5 fs-5 py-3">Shipping:
${shipping}.00$</p>
                        <p class="px-5 fs-5 py-3">Total:
${totalPrice}.00$</p>`
            $('#bill').html(bill);
            $('#form').show();
        }
        $('#print').html(innerHtml);
    }

    $('#deleteAll').click(function(){
        localStorage.removeItem('productsInCart');
        printProduct();
```

```javascript
            })
            $('#buy').click(function() {
                formValidation();
            })
        }
    function formValidation(){
        event.preventDefault();
        let name, email, address;
        name = $('#name');
        email = $('#email');
        address = $('#address');
        var count = 0;
        var regexForName = /^[A-ZŠĐŽĆČ][a-zšđžćč]{2,15}(\s[A-ZŠĐŽĆČ][a-
zšđžćč]{2,15})?$/;
        var regexForEmail = /^[a-z]((\.|-|_)?[a-z0-9]){2,}@[a-z]((\.|-|_)?[a-
z0-9]+){2,}\.[a-z]{2,6}$/i;
        let regexForAddress = /^[\w\.]+(,?\s[\w\.]+){2,8}$/;
        if (name.val() == ''){
            name.addClass('error')
        }
        else if(!regexForName.test(name.val())){
            $('#spanName').html("You didn`t enter name
correctly.").css('display', 'block');
        }
        else{
            $('#spanName').css("display", "none");
            name.removeClass('error');
            count++
        }
        if (email.val() == ''){
            email.addClass('error')
        }
        else if(!regexForEmail.test(email.val())){
            $('#spanEmail').html("You didn`t enter email
correctly.").css('display', 'block');
        }
        else{
            $('#spanEmail').css("display", "none");
            email.removeClass('error');
            count++
        }
        if (address.val() == ''){
            address.addClass('error')
        }
        else if(!regexForAddress.test(address.val())){
            $('#spanAddress').html("You didn`t enter address
correctly.").css('display', 'block');
        }
        else{
            $('#spanAddress').css("display", "none");
            address.removeClass('error');
            count++
        }
        if(count==3){
            console.log('uspesno')
        }
```

```
    }


$(document).on("click",".deleteItem",function(){
    let id = $(this).data('delete');
    let products = getItemsFromLocalStorage('productsInCart');
    let result = products.filter(c => c.id !== id);
    console.log(products)
    if(products.length === 1){
        innerHtml = `<div class="row d-flex justify-content-center flex-
column align-items-center">
                    <h1 class="blueLetters text-center mt-5">Your cart is
empty</h1>
                    <img src="assets/img/empty_cart.jpg" alt="EmptyCart"
class="col-6 mt-5">
                    <button class="btn button col-2 mt-5"><a
href="artworks.html">Go back to shopping</a></button>
                </div>`
        console.log($('#form'), $('#deleteAll'), $('#print'))
        $('#form').hide();
        $('#deleteAll').hide();
        $('#print').html(innerHtml);
        setItemToLocalStorage('productsInCart', null)


    }
    else {
        setItemToLocalStorage('productsInCart', result)
    }
    pageCart();
});


$(document).on("click",".plus",function(){
    let id = $(this).data('plus');
    let products = getItemsFromLocalStorage('productsInCart');
    for(let el of products){
        if(el.id === id){
            el.amount = parseInt(el.amount)+1;
        }
    }
    setItemToLocalStorage('productsInCart', products)
    pageCart();
});
$(document).on("click",".minus",function(){
    let id = $(this).data('minus');
    let products = getItemsFromLocalStorage('productsInCart');
    for(let el of products){
        if(el.id === id){
            el.amount = (el.amount <= 1) ? 1 : parseInt(el.amount)-1;
        }
    }
    setItemToLocalStorage('productsInCart', products)
    pageCart();
});
function makeDdl(option0, values, print){
    let html=`<option value="0">${option0}</option>`;
    for(let value of values){
        html += `<option value="${value.id}">${value.name}</option>`;
```

```
        }
        $(print).html(html);
    }
    function listsRadioBtn(title, values, print){
        let innerHtml = `<h6>${title}</h6>`;
        for(let value of values){
            innerHtml += `<div class="col-12"><input type="radio"
name="rb${title}" value="${value.Value}"/>
            <label>${value.Name}</label></div>`;
        }
        $(print).html(innerHtml);
    }

//local storage
    function setItemToLocalStorage(itemKey, itemValue){
        localStorage.setItem(itemKey, JSON.stringify(itemValue))
    }
    function getItemsFromLocalStorage(itemKey){
        return JSON.parse(localStorage.getItem(itemKey));
    }

    $('.category').change(artworks);
}
```

3.3 css

```css
.logo{
    width: 60%;
}
a{
    text-decoration: none;
    color: #103948;
}
.basket{
    font-size: 30px;
    color: #c8bfe7;
}
.link{
    color: #103948 !important;
}
.line{
    display: block;
    border-bottom: 1px solid #c8bfe7;
    width: 100%;
}
#block{
    background: #c8bfe7;
    width: 100%;
    height: 600px;
}
#block img{
    width: 80%;
    height: 75%;
}
.heroCarousel-content {
```

```css
    position: absolute;
    transform: none;
    background: #fff!important;
    margin-left: 30px;
    padding: 20px;
    color: #c8bfe7;
}
.heroCarousel-content p{
    color: #7a7a7a;
}
.button{
    background: #c8bfe7;
    border: none;
}
.grey{
    background: #f5f5f5;
}
.product-img{
    width: 70%;
}
.more{
    width: 25%;
}
.icons{
    font-size: 50px;
}
.purple{
    background: #c8bfe7;
}
.blue{
    background: #103948;
}
.blueLetters{
    color: #103948;
}
.fut li a{
    color: white !important;
}
.fut li{
    list-style: none;
}
.dot{
    display: block;
    border-bottom: 3px solid #c8bfe7;
    width: 5%;
    margin: 0px auto;
}
tr{
    width: 50%;
}
input{
    width: 60%;
}
#form label{
    padding: 10px 5px;
    color: #103948;
}
```

```css
#form input{
    border: none;
    border-bottom: 1px solid #103948;
}
input:focus{
    outline: none;
}
#form span{
    display: none;
}
.error{
    border: 1px solid red !important;
}
.span{
    display: none;
}
```

3.4 JSON

3.4.1 products.json

```json
[
  {
    "id": "1",
    "categoryId": "2",
    "name": "Fluffy scream",
    "price": 200,
    "inStock": false,
    "sold" : 44,
    "img": {
      "src": "assets/img/fluffy_scream.jpg",
      "alt": "Fluffy scream"
    },
    "shipping": 0
  },
  {
    "id": "3",
    "categoryId": "1",
    "name": "Summer Time",
    "price": 250,
    "inStock": false,
    "sold" : 56,
    "img": {
      "src": "assets/img/summer_time_bloq_art.jpg",
      "alt": "Summer Time"
    },
    "shipping": 50
  },
  {
    "id": "4",
    "categoryId": "1",
    "name": "Rainforest Green",
    "price": 220,
    "inStock": false,
    "sold" : 13,
```

```json
      "img": {
        "src": "assets/img/rainforest_green_bloq_art.jpg",
        "alt": "Rainforest Green Bloq Art"
      },
      "shipping": 50
    },
    {
      "id": "5",
      "categoryId": "1",
      "name": "Magma Bloq Art",
      "price": 250,
      "inStock": true,
      "sold" : 125,
      "img": {
        "src": "assets/img/magma_bloq_art.jpg",
        "alt": "Magma Bloq Art"
      },
      "shipping": 0
    },
    {
      "id": "6",
      "categoryId": "1",
      "name": "Black & Gold",
      "price": 250,
      "inStock": true,
      "sold" : 50,
      "img": {
        "src": "assets/img/black_gold.jpg",
        "alt": "Black & Gold"
      },
      "shipping": 0
    },
    {
      "id": "8",
      "categoryId": "1",
      "name": "Mona Lisa",
      "price": 350,
      "inStock": true,
      "sold" : 220,
      "img": {
        "src": "assets/img/mona_lisa.jpg",
        "alt": "Bloq Art - Mona Lisa"
      },
      "shipping": 50
    },
    {
      "id": "9",
      "categoryId": "1",
      "name": "Van Gogh Portrait",
      "price": 330,
      "inStock": true,
      "sold" : 212,
      "img": {
        "src": "assets/img/van_gogh.jpg",
        "alt": "Van Gogh Portrait Bloq Art"
      },
      "shipping": 0
```

```json
  },
  {
    "id": "10",
    "categoryId": "1",
    "name": "Starry Night",
    "price": 400,
    "inStock": false,
    "sold" : 130,
    "img": {
      "src": "assets/img/starry_night.jpg",
      "alt": "Starry Night Bloq Art"
    },
    "shipping": 0
  },
  {
    "id": "11",
    "categoryId": "1",
    "name": "Girl With Pearl Earring",
    "price": 500,
    "inStock": true,
    "sold" : 222,
    "img": {
      "src": "assets/img/girl_with_pearl_earring.jpg",
      "alt": "Girl With Pearl Earring Bloq Art"
    },
    "shipping": 0
  },
  {
    "id": "12",
    "categoryId": "2",
    "name": "Fluffy Mona Lisa",
    "price": 450,
    "inStock": true,
    "sold" : 333,
    "img": {
      "src": "assets/img/mona_lisa_fluffy.jpg",
      "alt": "Fluffy Mona Lisa"
    },
    "shipping": 100
  },
  {
    "id": "13",
    "categoryId": "2",
    "name": "Fluffy Night",
    "price": 400,
    "inStock": true,
    "sold" : 225,
    "img": {
      "src": "assets/img/fluffy_night.jpg",
      "alt": "Fluffy Night"
    },
    "shipping": 100
  },
  {
    "id": "14",
    "categoryId": "3",
    "name": "Leontina vase",
```

```json
      "price": 40,
      "inStock": true,
      "sold" : 156,
      "img": {
        "src": "assets/img/leontina_vase.jpg",
        "alt": "Leontina vase"
      },
      "shipping": 20
  },
  {
    "id": "15",
    "categoryId": "3",
    "name": "Eva vase",
    "price": 25,
    "inStock": true,
    "sold" : 263,
    "img": {
      "src": "assets/img/eva_vase.jpg",
      "alt": "Eva vase"
    },
    "shipping": 20
  },
  {
    "id": "16",
    "categoryId": "3",
    "name": "Bronzini vase",
    "price": 25,
    "inStock": true,
    "sold" : 123,
    "img": {
      "src": "assets/img/bronzini_vase.jpg",
      "alt": "Bronzini vase"
    },
    "shipping": 0
  },{
  "id": "17",
  "categoryId": "3",
  "name": "Karolina vase",
  "price": 25,
  "inStock": true,
  "sold" : 64,
  "img": {
    "src": "assets/img/karolina_vase.jpg",
    "alt": "Karolina vase"
  },
  "shipping": 0
}
]
```

3.4.2 meni.json

```json
[
  {
    "id": 1,
    "name" : "Home",
```

```
      "src" : "index.html"
    },
    {
      "id": 2,
      "name" : "Artworks",
      "src" : "artworks.html"
    },
    {
      "id": 4,
      "name" : "Author",
      "src" : "author.html"
    }
]
```

3.4.3 categories.json

```
[
    {
      "id": 1,
      "name": "Bloq Art"
    },
    {
      "id": 2,
      "name": "Fluffy Art"
    },
    {
      "id": 3,
      "name": "Clay Art"
    }
]
```