



Dokumentacija

Web Programiranje 2

Dinamički web sajt

<https://jovanvasic.github.io/footballshoe/>

Jovan Vasić 54/20

Internet tehnologije

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1. Uvod

1.1 Korisćeni programski jezici/tehnologije

1. HTML
2. CSS/SCSS
3. JavaScript
4. jQuery
5. JSON
6. XML
7. Visual Studio Code
8. Photoshop

1.2 Opis Funkcionalnosti

1. Upotreba AJAX-a za čitanje JSON fajlova, preko JavaScript-a
2. Dinamičko ispisivanje određenih delova sajta
3. Dohvatanje i ispisivanje podataka iz LocalStorage
4. Filtriranje, sortiranje i tekstualni unos prilikom pretraživanja proizvoda
5. Dodavanje proizvoda u korpu
6. Ispisivanje broja proizvoda na ikonici u gornjem desnom uglu pre ulaska u korpu
7. Mogućnost manipulacije proizvoda u korpi
8. Proveravanje tačnosti regularnim izrazima prilikom popunjavanja forme za kontakt i ispisivanje grešaka ukoliko ih ima
9. Sve stranice su prilagođene svim vrstama uređaja

1.3 Template

Template izrađen mojim kodom, bez korišćenja gotovih templateja.

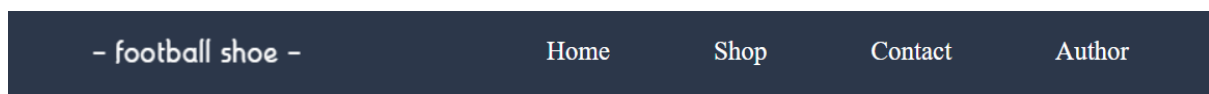
2. Organizacija

2.1 Organizacija stranica


1. Stranice su organizovane tako da se sa svake može pristupiti svakoj.
2. U slučaju prazne korpe ne može se pristupiti stranici cart.html sa stranica index.html i contact.html
3. U slučaju da korpa ima određeni broj proizvoda, u gornjem desnom uglu index.html i contact.html se pojavljuje ikonica koja vodi do stranice cart.html sa brojem selektovanih proizvoda

2.2 Slike stranica i opis funkcionalnosti

2.2.1 index.html



Dinamički ispisan navbar iz JavaScript-a korišćenjem nizova.



Nike

Make the game easy

Nike, Inc. is an American multinational corporation which is the world's largest supplier and manufacturer of athletic shoes, apparel and other sports equipment.


Buy now

Adidas

Worn by the best

Adidas is a German manufacturer of sports equipment. Adidas is a small European manufacturer of sports equipment. The logo of this company represents three parallel lines.

Buy now



Dinamičko ispisivanje brendova koji se dohvataju AJAX-om iz JSON fajla
Klikom na Buy now ide se na stranicu shop.html

2.2.2 shop.html









Choose a filter

Sort

☐ Nike
☐ Adidas
☐ Puma
☐ Mizuno

Price
☐ 100€ - 150€
☐ 151€ - 200€
☐ 201€ +

Type a name...

 Nike Tiempo Legend 9 155 € 200 € Add to Cart	 Nike Mercurial Superfly 165 € 250 € Add to Cart	 Adidas Copa 20.1 140 € +50 € Add to Cart	 Mizuno Morilea Neo 222 € 300 € Add to Cart
 Puma Future Z	 Adidas Predator Edge	 Nike Phantom GT Pro	 Mizuno Morilea Pro

- Sa leve strane se nalaze tipovi filtriranja koji su usklađeni
 - Sort - select tag
 - Brands - checkbox => ispisani dinamički, dohvatanjem ajaxa
 - Price - checkbox
 - Type a name - input type: text

2. Sa desne strane nalaze se proizvodi dinamički ispisani dohvatanjem AJAX-a
3. Prilikom klika na “Add to Cart” dodaje se proizvod u LocalStorage
4. Prilikom filtriranja, ukoliko se ne prikazuje ni jedan proizvod korisnik dobija poruku o tome



1. Na stranici je inicijalno učitana korpa bez i jednog proizvoda
2. Klikom na “Add to Cart” proizvod se dodaje u korpu i pojavljuje se broj selektovanih proizvoda
3. Ukoliko je proizvod od ranije u korpi neće se menjati broj u crvenom krugu

2.2.3 contact.html

For more information, contact us!

<input type="text" value="Enter your first name:"/>	<input type="text" value="Type your message here:"/>
<input type="text" value="Enter your last name:"/>	
<input type="text" value="Enter your email:"/>	
<input type="text" value="Enter your phone number: (eg) +381..."/>	
<input type="button" value="SEND"/>	

Forma za unos podataka koja se proverava uz pomoć regularnih izraza

<input type="text" value="Jovan"/>	<input type="text" value="Great!"/>
<input type="text" value="Vasic"/>	
<input type="text" value="jovan.vasic.54.20@ict.edu.rs"/>	
<input type="text" value="+381654426292"/>	
<input type="button" value="SEND"/>	
<input type="button" value="Message sent successfully!"/>	

Ukoliko je forma ispravno popunjena, korisnik dobija informaciju o uspešno poslatoj poruci

Jovan

Last name can't be empty...

jovan.vasic.54.20@ict.edu.rs


Wrong phone number entry...

Great!

SEND

Ukoliko podatci nisu pravilo uneseni, korisnik dobija informaciju o grešci koju je načinio

2.2.4 cart.html

Product	Product name	Price	Quantity	Sum
	Mizuno Morilea Neo	222€	1	222€
<div> <div>Add One More</div> <div>Quantity Down</div> <div>Remove Product</div> </div>				
<div> <div>Total price: 222€</div> <div>Purchase</div> <div>Remove All</div> </div>				

1. U korpu se ispisuju proizvodi koju su ranije bili skladišteni u LocalStorage
2. Prilikom proveravanja selektovanog proizvoda korisnik moze manipulirati njime u vidu pouđenih dugmića
3. Prilikom klika na dugme "Add One More" povećava se količina proizvoda. Ukoliko je kolicina veka od 5 korisniku se ispisuje da nije moguće naručiti više od 5 istih proizvoda
4. Prilikom klika na dugme "Quantity Down", korisnik smanjuje količinu. Izbačena mogućnost setovanja količine proizvoda na 0 ili manje
5. Klikom na dugme "Remove Product" korisnik briše iz korpe odabrani proizvod. Klikom na dugme "Purchase" korisniku se daje mogućnost unošenja veličine kopačke, a zatim se potvrđuje kupovina.
6. Prilikom klika na dugme "Remove All", svi proizvodi u korpi se brišu
7. Ukoliko se ni jedan proizvod ne nalazi u korpi, korisnik dobija poruku o tome.

Product name Price

Enter your name

Name:

Enter your address

Address:

Enter size of Adidas Copa 20.1

Purchase

Copa 20.1 140€

1. Prilikom potvrđivanja kupovine, od korisnika sa trazi da unese ime, adresu i broj kopačke koji se proveravaju regularnim izrazima.
2. Forma za popunjavanje se ispisuje dinamički iz JavaScripta.

2.2.5 author - link

Klikom na Author dolazi se do stranice na kojoj se nalazi sopstveni portfolio

3. Kodovi

3.1 HTML

3.1.1 index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
<meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Football Shoe</title>
  <link rel="stylesheet" href="assets/css/style.css" type="text/css"/>
  <script src="https://kit.fontawesome.com/7eae0ccb07.js"
crossorigin="anonymous"></script>
  <meta name="keywords" content="football, soccer, boots, football
boots, football shoe, shoe, adidas, nike, puma, mizuno"/>
  <meta name="description" content="You want quality? You're on the
right place!"/>
  <meta name="copyright" content="High ICT School" />
```

```

    <meta name="abstract" content="Choose your favorite football
boots"/>
    <meta name="author" content="Jovan Vasić"/>
    <link rel="icon" type="image/x-icon"
href="./assets/img/favicon3.png"/>
</head>
<body>

    <header>
        <div class="container">
            <div class="logo">
                <a href="index.html"></a>
            </div>
            <div class="nav-bar">
                </div>
            </div>
        </header>

        <!-- banner -->
        <div id="banner"></div>

        <!-- best products -->
        <div id="best-products">
            <div class="container">
                <h2>You don't buy only boots, you buy quality</h2>
                <div class="best-products-drzac">
                    <div class="best-products-article">
                        <div class="best-products-picture">
                            
                        </div>
                        <h3>Nike</h3>
                        <div class="best-products-button"><a
href="./shop.html">Buy now</a></div>
                    </div>
                    <div class="best-products-article">
                        <div class="best-products-picture">
                            
                        </div>
                        <h3>Adidas</h3>

```

```

        <div class="best-products-button"><a
href="./shop.html">Buy now</a></div>
    </div>
    <div class="best-products-article">
        <div class="best-products-picture">
            
        </div>
        <h3>Puma</h3>
        <div class="best-products-button"><a
href="./shop.html">Buy now</a></div>
    </div>
</div>
</div>
</div>

<!-- marks -->
<div id="marks">
</div>

<!-- footer -->
<footer>
    <div class="container">
        <div class="footer-description">
            <h5>DESCRIPTION</h5>
            <p>We strive to be as accurate as possible in product
descriptions, image displays, and pricing itself, but we cannot
guarantee that all information is complete and error-free. All items
displayed on the site are part of our offer and do not imply that they
are available at all times.</p>
        </div>
        <div class="footer-contact">
            <h5>CONTACT US</h5>
            <ul>
                <li><a href="https://www.facebook.com/"><i
class='fab fa-facebook-f'></i></a></li>
                <li><a href="https://www.instagram.com/"><i
class='fab fa-instagram'></i></a></li>
                <li><a href="https://twitter.com/"><i class='fab
fa-twitter'></i></a></li>
            </ul>
        </div>
        <div class="opening-hours">
            <h5>OPENING HOURS</h5>

```

```

        <ul>
            <li>Mon - Fri: 10h - 22h</li>
            <li>Sat - Sun: 10h - 14h</li>
        </ul>
    </div>
</div>
</footer>

<div id="cart">
    <a href="./cart.html">
        <i class="fa fa-shopping-basket"></i>
    </a>
    <div id="broj-porudzbina">
        1
    </div>
</div>

<!-- javascript -->
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>

```

3.1.2 shop.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">

```

```

    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Football Shoe - Shop</title>

    <link rel="stylesheet" href="assets/css/style.css"
type="text/css"/>
    <script src="https://kit.fontawesome.com/7eae0ccb07.js"
crossorigin="anonymous"></script>
    <meta name="keywords" content="football, soccer, boots, football
boots, football shoe, shoe, adidas, nike, puma, mizuno"/>
    <meta name="description" content="You want quality? You're on the
right place!"/>
    <meta name="copyright" content="High ICT School" />
    <meta name="abstract" content="Choose your favorite football
boots"/>
    <meta name="author" content="Jovan Vasić"/>
    <link rel="icon" type="image/x-icon"
href="./assets/img/favicon3.png"/>
</head>
<body>

    <header>
        <div class="container">
            <div class="logo">
                <a href="index.html"></a>
            </div>
            <div class="nav-bar">
            </div>
        </div>
    </header>

    <!-- main -->
    <main>
        <div class="container">
            <div id="main-levo">
                <h2>Choose a filter</h2>
                <form id="sort-form">
                    <select id="sort">
                        <option value="0" selected>Sort</option>
                        <option value="asc">Price - Low to
High</option>

```

```

        <option value="desc">Price - High to
Low</option>
        <option value="name">Name - Sort</option>
    </select>
</form>
<h3>Brands</h3>
<form id="brends-form">

</form>
<h3>Price</h3>
<form id="price-form">
    <ul>
        <li><input type="checkbox" name="price"
class="price" value="100"/>100€ - 150€ </li>
        <li><input type="checkbox" name="price"
class="price" value="150"/>151€ - 200€ </li>
        <li><input type="checkbox" name="price"
class="price" value="200"/>201€ + </li>
    </ul>
</form>
<form id="search-form">
    <input type="search" id="search" name="search"
placeholder="Type a name..." />
</form>
</div>
<div id="main-desno">

</div>
</div>
</main>

<footer>
    <div class="container">
        <div class="footer-description">
            <h5>DESCRIPTION</h5>
            <p>We strive to be as accurate as possible in product
descriptions, image displays, and pricing itself, but we cannot
guarantee that all information is complete and error-free. All items
displayed on the site are part of our offer and do not imply that they
are available at all times.</p>

```

```

        </div>
        <div class="footer-contact">
            <h5>CONTACT US</h5>
            <ul>
                <li><a href="https://www.facebook.com"><i
class='fab fa-facebook-f'></i></a></li>
                <li><a href="https://www.instagram.com"><i
class='fab fa-instagram'></i></a></li>
                <li><a href="https://twitter.com/"><i class='fab
fa-twitter'></i></a></li>
            </ul>
        </div>
        <div class="opening-hours">
            <h5>OPENING HOURS</h5>
            <ul>
                <li>Mon - Fri: 10h - 22h</li>
                <li>Sat - Sun: 10h - 14h</li>
            </ul>
        </div>
    </div>
</footer>

<div id="cart">
    <a href="./cart.html">
        <i class="fa fa-shopping-basket"></i>
    </a>
    <div id="broj-porudzbina">
        1
    </div>
</div>

<!-- javascript -->
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>

```

3.1.3 contact.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Football Shoe - Contact</title>
  <link rel="stylesheet" href="assets/css/style.css"
type="text/css"/>
  <script src="https://kit.fontawesome.com/7eae0ccb07.js"
crossorigin="anonymous"></script>
  <meta name="keywords" content="football, soccer, boots, football
boots, football shoe, shoe, adidas, nike, puma, mizuno"/>
  <meta name="description" content="You want quality? You're on the
right place!"/>
  <meta name="copyright" content="High ICT School" />
  <meta name="abstract" content="Choose your favorite football
boots"/>
  <meta name="author" content="Jovan Vasić"/>
  <link rel="icon" type="image/x-icon"
href="./assets/img/favicon3.png"/>
</head>
<body>
  <header>
    <div class="container">
      <div class="logo">
        <a href="index.html"></a>
      </div>
      <div class="nav-bar">
      </div>
```



```

        </div>
    </header>

    <div id="contact-main">
        <div class="container">
            <h2>For more information, contact us!</h2>
            <div class="forms">
                <div class="forms-part">
                    <form id="form-left">
                        <input type="text" name="ime" id="ime"
placeholder="Enter your first name:" class="input-edit"/>
                        <input type="text" name="prezime" id="prezime"
placeholder="Enter your last name:" class="input-edit"/>
                        <input type="email" name="email" id="email"
placeholder="Enetr your email:" class="input-edit"/>
                        <input type="text" name="telefon" id="telefon"
placeholder="Enter your phone number: (eg) +381..."
class="input-edit"/>
                    </form>
                </div>
                <div class="forms-part">
                    <form id="form-right">
                        <textarea name="message" id="message" cols="30"
rows="10" placeholder="Type your message here:"></textarea>
                        <input type="button" value="SEND"
id="submit-button"/>
                    </form>
                    <div id="message-sent">
                        <p>Message sent successfully!</p>
                    </div>
                </div>
            </div>
        </div>
    </div>

    <!-- footer -->
    <footer>
        <div class="container">
            <div class="footer-description">

```

```

        <h5>DESCRIPTION</h5>
        <p>We strive to be as accurate as possible in product
descriptions, image displays, and pricing itself, but we cannot
guarantee that all information is complete and error-free. All items
displayed on the site are part of our offer and do not imply that they
are available at all times.</p>
    </div>
    <div class="footer-contact">
        <h5>CONTACT US</h5>
        <ul>
            <li><a href="https://www.facebook.com/"><i
class='fab fa-facebook-f'></i></a></li>
            <li><a href="https://www.instagram.com"><i
class='fab fa-instagram'></i></a></li>
            <li><a href="https://twitter.com/"><i class='fab
fa-twitter'></i></a></li>
        </ul>
    </div>
    <div class="opening-hours">
        <h5>OPENING HOURS</h5>
        <ul>
            <li>Mon - Fri: 10h - 22h</li>
            <li>Sat - Sun: 10h - 14h</li>
        </ul>
    </div>
</div>
</footer>

<div id="cart">
    <a href="./cart.html">
        <i class="fa fa-shopping-basket"></i>
    </a>
    <div id="broj-porudzbina">
        1
    </div>
</div>

<!-- javascript -->
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>

```

3.2.4 cart.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
  <meta name="viewport" content="width=device-width,
initial-scale=1.0"/>
  <title>Football Shoe - Cart</title>
  <link rel="stylesheet" href="assets/css/style.css"
type="text/css"/>
  <script src="https://kit.fontawesome.com/7eae0ccb07.js"
crossorigin="anonymous"></script>
  <meta name="keywords" content="football, soccer, boots, football
boots, football shoe, shoe, adidas, nike, puma, mizuno"/>
  <meta name="description" content="You want quality? You're on the
right place!"/>
  <meta name="copyright" content="High ICT School" />
  <meta name="abstract" content="Choose your favorite football
boots"/>
  <meta name="author" content="Jovan Vasić"/>
  <link rel="icon" type="image/x-icon"
href="./assets/img/favicon3.png"/>
</head>
<body>

  <header>
    <div class="container">
      <div class="logo">
        <a href="index.html"></a>
      </div>
      <div class="nav-bar">
```

```

        </div>
    </div>
</header>

<div id="main-korpa">

</div>

<!-- footer -->
<footer>
    <div class="container">
        <div class="footer-description">
            <h5>DESCRIPTION</h5>
            <p>We strive to be as accurate as possible in product
descriptions, image displays, and pricing itself, but we cannot
guarantee that all information is complete and error-free. All items
displayed on the site are part of our offer and do not imply that they
are available at all times.</p>
        </div>
        <div class="footer-contact">
            <h5>CONTACT US</h5>
            <ul>
                <li><a href="https://www.facebook.com/"><i
class='fab fa-facebook-f'></i></a></li>
                <li><a href="https://www.instagram.com/"><i
class='fab fa-instagram'></i></a></li>
                <li><a href="https://twitter.com/"><i class='fab
fa-twitter'></i></a></li>
            </ul>
        </div>
        <div class="opening-hours">
            <h5>OPENING HOURS</h5>
            <ul>
                <li>Mon - Fri: 10h - 22h</li>
                <li>Sat - Sun: 10h - 14h</li>
            </ul>
        </div>
    </div>
</footer>
<div id="doc">

```

```

        <div class="doc-centar">
            <a href="./sitemap.xml" target="_blank"><i class="fa
fa-sitemap"></i></a>
            <a href="./robots.txt" target="_blank"><i class='fas
fa-robot'></i></a>
            <a href="./dokumentacija.pdf" target="_blank"><i class="fa
fa-file-o"></i></a>
        </div>
    </div>

    <div id="iskacujuci-prozor">
        <div class="dugme-iks"><i class='fas fa-window-close'
id="ugasi"></i></div>
        <form id="forma-cart">
            <!-- <p>Enter your name</p>
            <input type="text" name="name-cart" id="name-cart"
class="uredi-input" placeholder="Name:"/>
            <p>Enter your address</p>
            <input type="text" name="address-cart" id="address-cart"
class="uredi-input" placeholder="Address:"/> -->
            <!-- <p>Enter size of Nike Tiempo Legend 9</p>
            <input type="text" name="address-cart" class="size-provera
uredi-input"/> -->

        </form>
    </div>

    <!-- javascript -->
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>

```

3.2 CSS

3.2.1 style.scss

```
*{
  margin: 0px;
  padding: 0px;
}
@mixin centar {
  margin: 0px auto;
  width: 90%;
}
$mainBoja: #2c374a;
body{
  background-color: whitesmoke;
  font-family: Verdana, Geneva, Tahoma, sans-serif;
}

/* index.html */
header{
  width: 100%;
  height: 90px;
  background-color: $mainBoja;
  .container{
    @include centar;
    height: 88px;
    //border: 1px solid yellow;
    display: flex;
    justify-content: space-evenly;
    .logo{
      width: 10%;
      height: 50%;
      margin-top: 20px;
    }
  }
}
```

```

        //background-color: yellow;

    }

    .nav-bar{
        width: 40%;
        height: 50%;
        margin-top: 20px;
        //background-color: yellow;
        ul{
            list-style-type: none;
            li{
                float: left;
                margin-right: 70px;
                margin-top: 10px;
                a{
                    text-decoration: none;
                    color: white;
                    font-size: 20px;
                    &:hover{color: #060606;}
                }
            }
        }
    }
}

#banner{
    width: 100%;
    height: 650px;
    background-image: url(../img/football.webp);
    background-size: cover;
    background-position: center;
}

#best-products{
    @include centar;
    margin-top: 30px;
    .container{
        @include centar;
        height: 700px;
        //border: 1px solid black;
        text-align: center;
        h2{
            font-size: 40px;
            font-weight: lighter;

```

```

        color: $mainBoja;
    }
    .best-products-drzac{
        margin: 0px auto;
        margin-top: 20px;
        //border: 1px solid black;
        width: 100%;
        height: 600px;
        display: flex;
        justify-content: space-evenly;
        flex-wrap: wrap;
        .best-products-article{
            width: 370px;
            height: 600px;
            //border: 1px solid black;
            .best-products-picture{
                width: 100%;
                height: 500px;
                //border: 1px solid black;
            }
            h3{
                font-size: 35px;
                color: $mainBoja;
                font-weight: lighter;
            }
            .best-products-button{
                margin: 0px auto;
                width: 25%;
                height: 30px;
                background-color: #2450bf;
                border-radius: 10px;
                text-align: center;
                a{
                    font-size: 20px;
                    color: white;
                    text-decoration: none;
                    position: relative;
                    top: 3px;
                    &:hover{font-weight: bold;}
                }
            }
        }
    }
}

```



```

    }
}
#marks{
    width: 100%;
    margin-top: 50px;
    //border: 4px solid yellow;
    .marks-div{
        width: 100%;
        height: 550px;
        //background-color: aqua;
        .container{
            @include centar;
            position: relative;
            top: 45px;
            //border: 1px solid yellow;
            height: 80%;
            display: flex;
            justify-content: space-evenly;
            text-align: center;
            .marks-levo, .marks-desno{
                width: 600px;
                height: 400px;
                //border: 1px solid orangered;
                margin-top: 15px;
            }
            .slika-1{
                background-size: cover;
                background-position: center;
            }
            .belo{
                color: white;
            }
        }
    }
    .black{
        background-color: #060606;
    }
}
.marks-h{
    font-size: 40px;
    margin-top: 50px;
}

```

```

.moto{
    margin-top: 10px;
    font-size: 30px;
}
.description-text{
    margin: 20px auto;
    width: 70%;
    height: 150px;
    //border: 1px solid white;
    p{
        font-size: 20px;
    }
    .marks-buy-now{
        margin: 10px auto;
        width: 30%;
        height: 40px;
        background-color: #2450bf;
        border-radius: 10px;
        a{
            color: white;
            text-decoration: none;
            position: relative;
            top: 7px;
            font-size: 20px;
            &:hover{font-weight: bold;}
        }
    }
}
}
footer{
    width: 100%;
    height: 200px;
    background-color: $mainBoja;
    .container{
        @include centar;
        //border: 1px solid yellow;
        height: 80%;
        position: relative;
        top: 20px;
        display: flex;
        justify-content: space-evenly;
        color: white;
        .footer-description{
            width: 40%;

```

```

    height: 100%;
    //border: 1px solid white;
    text-align: center;
    h5{
        font-size: 22px;
        font-weight: lighter;
    }
    p{
        font-size: 15px;
        line-height: 25px;
        margin-top: 20px;
    }
}

.footer-contact{
    width: 20%;
    height: 100%;
    //border: 1px solid white;
    text-align: center;
    h5{
        font-size: 22px;
        font-weight: lighter;
    }
    ul{
        list-style-type: none;
        li{
            margin-top: 14px;
            a{
                font-size: 22px;
                color: white;
                &.hover{color: #060606;}
            }
        }
    }
}

.opening-hours{
    width: 20%;
    height: 100%;
    //border: 1px solid white;
    text-align: center;
    h5{
        font-size: 22px;
        font-weight: lighter;
    }
}

```

```

        ul{
            list-style-type: none;
            li{
                margin-top: 17px;
                font-size: 19px;
            }
        }
    }
}
#doc{
    width: 100%;
    height: 40px;
    background-color: $mainBoja;
    .doc-centar{
        margin: 0px auto;
        width: 30%;
        height: 30px;
        //border: 1px solid yellow;
        text-align: center;
        a{
            margin-left: 10px;
            margin-right: 10px;
            color: white;
            font-size: 20px;
            &:hover{color: black}
        }
    }
}

```

```

/* shop.html */

```

```

main{
    @include centar;
    margin-top: 50px;
    margin-bottom: 50px;
    .container{
        @include centar;
        //height: 600px;
        //border: 1px solid black;
    }
}

```

```

display: flex;
justify-content: space-between;
#main-levo{
  width: 30%;
  //height: 600px;
  //border: 1px solid blue;
  h2{
    text-align: center;
    font-weight: lighter;
    color: $mainBoja;
    font-size: 40px;
  }
  #sort-form{
    //border: 1px solid red;
    margin-top: 40px;
    #sort{
      width: 100%;
      height: 40px;
      border: 3px solid $mainBoja;
      border-radius: 5px;
      text-align: center;
      font-size: 20px;
      color: $mainBoja;
    }
  }
  h3{
    text-align: center;
    font-size: 25px;
    font-weight: lighter;
    color: $mainBoja;
    margin-top: 30px;
    margin-bottom: 5px;
  }
  #brends-form, #price-form{
    font-size: 20px;
    ul{
      list-style-type: none;
      li{
        color: $mainBoja;
        .brendovi, .price{
          width: 25px;
          height: 25px;
          margin-left: 140px;

```

```

        margin-right: 10px;
    }
}
}
}
#search-form{
    margin-top: 40px;
    width: 100%;
    #search{
        width: 100%;
        height: 40px;
        border: 3px solid $mainBoja;
        font-size: 20px;
        text-align: center;
        border-radius: 5px;
    }
}
}
#main-desno{
    width: 67%;
    //height: 600px;
    //border: 1px solid blue;
    display: flex;
    justify-content: space-evenly;
    flex-wrap: wrap;
    .artikl{
        height: 350px;
        width: 23%;
        //border: 1px solid black;
        margin-bottom: 20px;
        text-align: center;
        .artikl-picture{
            width: 100%;
            height: 50%;
            //border: 1px solid red;
            .artikl-slika{
                width: 100%;
                height: 100%;
            }
        }
    }
    h5{
        font-size: 16px;
        font-weight: lighter;
    }
}

```

```

    }
    .artikl-text{
        font-size: 21px;
        color: $mainBoja;
    }
    p{
        margin-top: 10px;
    }
    .add-to-chart{
        width: 100%;
        height: 40px;
        background-color: $mainBoja;
        border-radius: 10px;
        margin-top: 20px;
        .dodaj{
            border: none;
            color: white;
            font-size: 20px;
            position: relative;
            top: 7px;
            background-color: $mainBoja;
            &:hover{color: black;}
        }
    }
}

.prazno-artikli{
    p{
        font-size: 50px;
        font-weight: bold;
        color: $mainBoja;
        margin-top: 200px;
    }
}

}

}

#cart{
    width: 60px;
    height: 60px;
    background-color: $mainBoja;
    border-radius: 100px;
    position: fixed;
    top: 13px;

```

```

right: 40px;
text-align: center;
a{
    color: white;
    text-align: center;
    position: relative;
    top: 12px;
    font-size: 30px;
}
#broj-porudzbina{
    width: 15px;
    height: 15px;
    border-radius: 20px;
    color: white;
    background-color: red;
    font-size: 14px;
    visibility: hidden;
}
}

/* contact.html */
#contact-main{
    @include centar;
    margin-top: 30px;
    margin-bottom: 30px;
    .container{
        @include centar;
        height: 400px;
        //border: 1px solid black;
        h2{
            font-size: 30px;
            font-weight: lighter;
            color: $mainBoja;
        }
        .forms{
            width: 100%;
            height: 300px;

```



```

margin-top: 40px;
//border: 1px solid black;
display: flex;
justify-content: space-between;
.forms-part{
    width: 48%;
    height: 100%;
    //border: 1px solid black;
    #form-left{
        .input-edit{
            width: 97%;
            height: 40px;
            margin-bottom: 40px;
            border: none;
            padding-left: 20px;
        }
    }
    #form-right{
        #message{
            width: 97%;
            border: none;
            padding-left: 20px;
            padding-top: 10px;
        }
        #submit-button{
            width: 100%;
            background-color: $mainBoja;
            height: 40px;
            color: white;
            text-align: center;
            margin: 30px auto;
            border: none;
            border-radius: 5px;
            &:hover{background-color: #060606;}
        }
    }
}
}
}
}
#message-sent{

```

```

visibility:hidden;
text-align: center;
width: 100%;
height: 40px;
background-color: #c5dbc8;
border-radius: 5px;
p{
    position: relative;
    top: 10px;
}
}

/* cart.html */

#main-korpa{
    @include centar;
    margin-top: 100px;
    margin-bottom: 100px;
    .container{
        @include centar;
        //height: 500px;
        //border: 1px solid red;
        .nothing-selected{
            width: 100%;
            height: 300px;
            //border: 1px solid red;
            p{
                text-align: center;
                font-size: 50px;
                color: $mainBoja;
                margin-top: 100px;
            }
        }
    }
    .drzac-korpa{
        width: 100%;
        height: 200px;
        //border: 1px solid black;
        display: flex;
        justify-content: space-between;
        .korpa-blok{
            width: 24%;
            height: 100%;

```

```

        //border: 1px solid blue;
        text-align: center;
        p{
            margin-top: 70px;
            font-size: 22px;
        }
        img{
            width: 190px;
            height: 190px;
            //border: 1px solid black;
        }
    }
}
.border-dole{
    border-bottom: 1px solid $mainBoja;
}
.add-remove{
    width: 70%;
    height: 40px;
    //border: 1px solid black;
    margin: 10px auto;
    display: flex;
    justify-content: space-evenly;
    .add-quantity{
        width: 25%;
        height: 100%;
        background-color: #9ad6aa;
        border-radius: 10px;
        text-align: center;
        .add-one-more{
            background-color: #9ad6aa;
            border: none;
            font-size: 17px;
            position: relative;
            top: 8px;
            &:hover{font-weight: bold;}
        }
    }
}
.remove-product{
    width: 25%;
    height: 100%;
    background-color: #c7968f;
    border-radius: 10px;

```

```

        text-align: center;
        .product-remove{
            background-color: #c7968f;
            border: none;
            font-size: 17px;
            position: relative;
            top: 8px;
            &:hover{font-weight: bold;}
        }
    }
    .quantity-down{
        width: 25%;
        height: 100%;
        background-color: #dbdaa9;
        border-radius: 10px;
        text-align: center;
        .down-quantity{
            background-color: #dbdaa9;
            border: none;
            font-size: 17px;
            position: relative;
            top: 8px;
            &:hover{font-weight: bold;}
        }
    }
}

#sum-all{
    width: 40%;
    height: 50px;
    //border: 1px solid black;
    margin-top: 80px;
    display: flex;
    justify-content: space-between;
    #purchase-div{
        width: 30%;
        height: 80%;
        background-color: #a9b6d9;
        border-radius: 5px;
        text-align: center;
        #purchase{
            background-color: #a9b6d9;
            border: none;

```

```

        font-size: 17px;
        position: relative;
        top: 8px;
        &:hover{font-weight: bold;}
    }
}
#remove-all-div{
    width: 30%;
    height: 80%;
    background-color: #c7968f;
    border-radius: 5px;
    text-align: center;
    #remove-all{
        background-color: #c7968f;
        border: none;
        font-size: 17px;
        position: relative;
        top: 8px;
        &:hover{font-weight: bold;}
    }
}
#price-summary{
    width: 30%;
    height: 80%;
    p{
        font-size: 20px;
        margin-top: 5px;
    }
}
}
}
#iskacujuci-prozor{
    position: fixed;
    width: 500px;
    //height: 500px;
    background-color: rgba($color: $mainBoja, $alpha: 0.98);
    top: 100px;
    left: 500px;
    border-radius: 20px;
    visibility: hidden;
    .dugme-iks{
        width: 25px;
        height: 25px;
    }
}

```

```

        //background-color: white;
        position: relative;
        top: 15px;
        left: 465px;
        .fa-window-close{
            font-size: 25px;
            color: white;
            &:hover{color: #060606;}
        }
    }
}
#forma-cart{
    margin-left: 20px;
}
.uredi-input{
    width: 300px;
    height: 25px;
    border-radius: 5px;
    border: none;
    margin-bottom: 20px;
}
#naruci-btn{
    width: 80px;
    height: 30px;
    color: #060606;
    margin-bottom: 10px;
    &:hover{
        background-color: #060606;
        color: white;
    }
}
}

```

```
/* responsive design */

/* index.html */
@media only screen and (max-width: 1441px){
    header .container .nav-bar ul li{
        margin-right: 60px;
    }
    #cart{
        right: 100px;
    }
}
@media only screen and (max-width: 1025px){
    header .container .nav-bar ul li{
        margin-right: 20px;
```

```

}
footer .container .opening-hours ul li{
    font-size: 17px;
}
#best-products .container{
    //border: 1px solid black;
    height: 1250px;
}
.description-text .marks-buy-now{
    width: 40%;
}
footer .container .footer-description p{
    line-height: 20px;
}
}
@media only screen and (max-width: 770px){
    header{
        height: 130px;
    }
    header .container{
        flex-wrap: wrap;
        justify-content: space-evenly;
        text-align: center;
    }
    header .container .logo{
        width: 60%;
    }
    header .container .nav-bar{
        width: 58%;
    }
    header .container .nav-bar ul li{
        margin-right: 34px;
    }
    #best-products .container h2{
        font-size: 35px;
    }
    #best-products .container{
        //border: 1px solid black;
        height: 1950px;
    }
    #marks .marks-div{
        height: 1000px;
    }
}

```



```

#marks .marks-div .container{
    flex-wrap: wrap;
}

footer .container .footer-description p{
    line-height: 18px;
    font-size: 14px;
    margin-top: 5px;
}

footer .container .opening-hours ul li{
    font-size: 14px;
}

footer .container .footer-description h5{
    font-size: 20px;
}

footer .container .footer-contact h5{
    font-size: 20px;
}

footer .container .opening-hours h5{
    font-size: 20px;
}

#marks .marks-div .container .marks-levo img{
    width: 400px;
    height: 300px;
}

#marks .marks-div .container .marks-desno img{
    width: 400px;
    height: 300px;
}

footer{
    height: 400px;
}

footer .container{
    flex-wrap: wrap;
}

footer .container .footer-description{
    width: 80%;
    height: 47%;
}

footer .container .footer-contact{
    width: 40%;
    height: 47%;
    margin-top: 20px;
}

```

```

    footer .container .opening-hours{
        width: 40%;
        height: 47%;
        margin-top: 20px;
    }
}

@media only screen and (max-width: 427px){
    header .container .nav-bar{
        width: 20%;
        //border: 1px solid yellow;
        height: 130px;
    }header .container .logo{
        width: 85%;
        //border: 1px solid yellow;
    }
    header{
        height: 220px;
    }
    header .container .nav-bar ul li{
        margin-left: 10px;
    }
    #doc .doc-centar{
        width: 50%;
    }
}

@media only screen and (max-width: 377px){
    header .container .nav-bar ul li{
        margin-left: 0px;
    }
    #best-products .container{
        height: 2000px;
    }
    #marks .marks-div .container .marks-levo img{
        width: 370px;
    }
    #marks .marks-div .container .marks-desno img{
        width: 370px;
    }
    footer .container{
        //border: 1px solid white;
        height: 90%;
    }
}

```

```

        .description-text p{
            font-size: 17px;
        }
    }
}
@media only screen and (max-width: 322px){
    #marks .marks-div .container .marks-levo img{
        width: 320px;
    }
    #marks .marks-div .container .marks-desno img{
        width: 320px;
    }
    footer{
        height: 600px;
    }
    footer .container .footer-description, footer .container
.footer-contact, footer .container .opening-hours{
        width: 80%;
        height: 33%;
        margin-bottom: 20px;
    }
    #best-products .container h2{
        font-size: 28px;
    }
    .description-text .marks-buy-now a{
        font-size: 16px;
    }
}

/* shop.html */

@media only screen and (max-width: 1025px){
    main .container #main-levo #brends-form ul li .brendovi{
        margin-left: 80px;
    }
    main .container #main-levo #price-form ul li .price{
        margin-left: 80px;
    }
    main .container #main-desno .artikl{
        width: 30%;
    }
}
@media only screen and (max-width: 770px){

```

```

    main .container #main-levo #brends-form ul li .brendovi, main
.container #main-levo #price-form ul li .price{
    margin-left: 50px;
}
main .container #main-desno .artikl{
    width: 45%;
}
#cart{
    right: 60px;
}
main .container #main-levo #brends-form ul li, main .container
#main-levo #price-form ul li{
    font-size: 16px;
}
}
@media only screen and (max-width: 427px){
    main .container{
        flex-wrap: wrap;
        justify-content: space-evenly;
    }
    main .container #main-levo{
        width: 80%;
    }
    main .container #main-desno{
        width: 80%;
    }
    main .container #main-desno .artikl{
        width: 60%;
    }
    #cart a{
        font-size: 22px;
        top: 8px;
    }
    #cart #broj-porudzbina{
        width: 10px;
        height: 10px;
        font-size: 9px;
    }
    #cart{
        width: 40px;
        height: 40px;
    }
    main .container #main-levo h2{

```

```

        font-size: 30px;
    }
    main .container #main-levo #sort-form #sort{
        height: 30px;
    }
    main .container #main-levo #brends-form ul li .brendovi, main
.container #main-levo #price-form ul li .price{
        width: 20px;
        height: 20px;
    }
    main .container #main-levo #search-form #search{
        height: 30px;
    }
}

@media only screen and (max-width: 377px){
    main .container #main-desno .artikl{
        width: 80%;
    }
    #cart{
        top: 10px;
        right: 20px;
    }
}

/* contact.html */

@media only screen and (max-width: 1025px){
    #contact-main .container h2{
        font-size: 25px;
    }
}

@media only screen and (max-width: 427px){
    #contact-main .container{
        height: 700px;
        //border: 1px solid black;
    }
    #contact-main .container .forms{
        height: 600px;
        flex-wrap: wrap;
        justify-content: space-evenly;
    }
}

```

```

    }
    #contact-main .container .forms .forms-part{
        width: 90%;
        height: 50%;
    }
    #contact-main .container h2{
        font-size: 24px;
        text-align: center;
    }
}
@media only screen and (max-width: 377px){
    #contact-main .container h2{
        font-size: 22px;
    }
}

/* cart.html */
@media only screen and (max-width: 1025px){
    #iskacujuci-prozor{
        left: 250px;
    }
}
@media only screen and (max-width: 770px){
    #main-korpa .container .drzac-korpa .korpa-blok img{
        width: 150px;
        height: 150px;
    }
    #main-korpa .container .add-remove{
        width: 82%;
    }
    #main-korpa #sum-all{
        width: 55%;
    }
    #iskacujuci-prozor{
        left: 160px;
    }
}

@media only screen and (max-width: 427px){
    #main-korpa .container .drzac-korpa .korpa-blok p{
        font-size: 17px;
    }
}

```

```

#main-korpa .container .drzac-korpa .korpa-blok img{
    width: 80px;
    height: 80px;
    margin-top: 50px;
}
#main-korpa .container .add-remove .add-quantity .add-one-more{
    font-size: 12px;
}
#main-korpa .container .add-remove .quantity-down .down-quantity{
    font-size: 12px;
}
#main-korpa .container .add-remove .remove-product .product-remove{
    font-size: 12px;
}
#main-korpa .container .add-remove{
    width: 90%;
}
#main-korpa .container .add-remove .remove-product{
    width: 29%;
}
#main-korpa #sum-all #price-summary p{
    font-size: 15px;
}
#main-korpa #sum-all #purchase-div #purchase, #main-korpa #sum-all
#remove-all-div #remove-all{
    font-size: 15px;
}
#main-korpa #sum-all{
    width: 70%;
}
#main-korpa #sum-all #remove-all-div{
    width: 32%;
}
#iskacujuci-prozor{
    left: 20px;
    width: 400px;
}
#iskacujuci-prozor .dugme-iks{
    left: 350px;
}
}
@media only screen and (max-width: 377px){
    #main-korpa .container .drzac-korpa .korpa-blok p{

```

```

        font-size: 14px;
    }
    #main-korpa .container .drzac-korpa .korpa-blok img{
        width: 75px;
        height: 75px;
    }
    #main-korpa .container .add-remove .add-quantity{
        width: 30%;
    }
    #main-korpa .container .add-remove .quantity-down{
        width: 30%;
    }
    #main-korpa .container .add-remove .remove-product{
        width: 33%;
    }
    #main-korpa #sum-all #remove-all-div{
        width: 37%;
    }
    #iskacujuci-prozor{
        width: 370px;
        left: 2px;
    }
    #iskacujuci-prozor .dugme-iks{
        left: 330px;
    }
}
@media only screen and (max-width: 322px){
    #main-korpa .container .drzac-korpa .korpa-blok img{
        width: 60px;
        height: 60px;
    }
    #main-korpa .container .add-remove{
        width: 100%;
    }
    #main-korpa .container .add-remove .remove-product{
        width: 35%;
    }
    #main-korpa #sum-all{
        width: 85%;
    }
    .uredi-input{
        width: 250px;
    }
}

```



```

#iskacujuci-prozor{
    width: 310px;
}
#iskacujuci-prozor .dugme-iks{
    left: 270px;
}
}

```

3.3 JavaScript

3.3.1 main.js

```

window.onload = function(){

    let navBar = ["Home","Shop", "Contact", "Author"];
    let navPages = ["index.html","shop.html", "contact.html",
"https://jovanvvasic.github.io/portfolio/"];

    /* navbar ispis */
    function ispisNavBar(niz1, niz2){
        let html='';
        html+='<ul>';
        for(let i=0;i<niz1.length; i++){
            html+=`<li><a href="${niz1[i]}">${niz2[i]}</a></li>`;
        }
        html+='</ul>';
        $('.nav-bar').html(html);
    };
    ispisNavBar(navPages,navBar);

    let brendovi = [];

    var url = window.location.pathname;
    url = url.substring(url.lastIndexOf('/'));
    if (url == "/" || url == "/index.html"){
        pokupiPodatke('brands.json',ispisiBrendove);
        let proveraNKorpe = procitajKorpu('korpa');
        if(proveraKorpe==null || proveraNKorpe.length==0){
            document.getElementById('cart').style.visibility = 'hidden';
        }
    }
}

```

```

    }
    else{
        document.getElementById('broj-porudzbina').style.visibility =
'visible';
        $('#broj-porudzbina').html(proveraKorpe.length);
    }
}
if(url=='/shop.html'){

document.getElementById('sort').addEventListener('change',filterChange)
;

    $(".price").change(filterChange);
    document.getElementById('search').addEventListener("keyup",
filterChange);
    pokupiPodatke('brands.json',brendoviCbIspis);
    pokupiPodatke('products.json',ispisProducts);
    pokupiPodatke('products.json', function(data){
        dodavanjeULocalStorage('products', data)
    });

    let proveraKorpe = procitajKorpu('korpa');
    if(proveraKorpe==null || proveraKorpe.length==0){
        document.getElementById('broj-porudzbina').style.visibility =
'hidden';
    }
    else{
        document.getElementById('broj-porudzbina').style.visibility =
'visible';
        $('#broj-porudzbina').html(proveraKorpe.length);
    }
}
if(url=='/contact.html'){

document.getElementById("submit-button").addEventListener('click',butto
nClick);

    let proveraKorpe = procitajKorpu('korpa');
    if(proveraKorpe==null || proveraKorpe.length==0){
        document.getElementById('cart').style.visibility = 'hidden';
    }
    else{
        document.getElementById('broj-porudzbina').style.visibility =
'visible';
        $('#broj-porudzbina').html(proveraKorpe.length);
    }
}

```

```

    }
}
if(url=='/cart.html'){
    ispisiCart();

document.getElementById('ugasi').addEventListener('click',ugasiPurchase
);
}

/* ajax funkcija */
function pokupiPodatke(file, funkcija) {
    $.ajax({
        url: "assets/data/" + file,
        method: "get",
        datatype: "json",
        success: function (data) {
            funkcija(data);
        },
        error: function (err) {
            console.log(err);
        },
    });
}

/* banner ispis */
function ispisiBrendove(niz){
    let html = '';
    //console.log(niz.length)
    for(let i=0;i<2;i++){
        if(i%2==0){
            html+=`<div class="marks-div black">
                <div class="container">
                    <div class="marks-levo">
                        

```

```

        </div>
        <div class="marks-desno belo">
            <h4 class="marks-h">${niz[i].name}</h4>
            <p class="moto">${niz[i].moto}</p>
            <div class="description-text">
                <p>${niz[i].description}</p>
                <div class="marks-buy-now"><a
href="./shop.html">Buy now</a></div>
            </div>
        </div>
    </div>
</div>`
}
else{
    html+=`<div class="marks-div">
        <div class="container">
            <div class="marks-levo">
                <h4 class="marks-h">${niz[i].name}</h4>
                <p class="moto">${niz[i].moto}</p>
                <div class="description-text">
                    <p>${niz[i].description}</p>
                    <div class="marks-buy-now"><a
href="./shop.html">Buy now</a></div>
                </div>
            </div>
            <div class="marks-desno">
                
            </div>
        </div>
    </div>`
}
}
$("#marks").html(html);
brendovi=niz;
}

/* cb ispis */
function brendoviCbIspis(nizBrendovi){
    let html='';
    html+=`<ul>`;
    //console.log(nizBrendovi.length)

```

```

        for(let i=0; i<nizBrendovi.length; i++){
            html+=`<li><input type="checkbox"
value="${nizBrendovi[i].id}" name="brendovi"
class="brendovi"/>${nizBrendovi[i].name} </li>`;
        }
        html+=`</ul>`;

        $('#brends-form').html(html);
        //console.log(brendovi)

        $(".brendovi").change(filterChange);
    };

    /* products ispis */
    function ispisProducts(niz){
        niz = filtriranjeBrendova(niz);
        niz = filtriranjePrice(niz)
        niz = sortOdDo(niz);
        niz = pretragaPoTextu(niz);

        let html='';
        if(niz.length>0){
            for(let i=0; i<niz.length;i++){
                html+=`<div class="artikl">
                    <div class="artikl-picture">
                        
                    </div>
                    <h5>${niz[i].name}</h5>
                    <p
class="artikl-text">${niz[i].price.newPrice} €</p>
                    <s
class="artikl-text">${niz[i].price.oldPrice} €</s>
                    <div class="add-to-chart">
                        <input type="button" data-id=${niz[i].id}
value="Add to Cart" class="dodaj" />
                    </div>
                </div>`;
            }
        }
    }

```

```

    }
}
else{
    html+=`<div class="prazno-artikli">
        <p>No items match!</p>
    </div>`;
}
$('#main-desno').html(html);

$('.dodaj').click(dodajUKorpu);
};

/* sortiranje od-do */
function sortOdDo(niz){
    let tipSortiranja = document.getElementById('sort').value;
    if(tipSortiranja=='asc'){
        return niz.sort((el1,el2)=>{
            if(el1.price.newPrice < el2.price.newPrice){
                return -1;
            }
            else if(el1.price.newPrice > el2.price.newPrice){
                return 1;
            }
            else{
                return 0;
            }
        });
    }
    else if(tipSortiranja=='desc'){
        return niz.sort((el1,el2)=>{
            if(el1.price.newPrice < el2.price.newPrice){
                return 1;
            }
            else if(el1.price.newPrice > el2.price.newPrice){
                return -1;
            }
            else{
                return 0;
            }
        });
    }
}

```

```

    });
}
else if (tipSortiranja === 'name') {
    return niz.sort((e1, e2) => {
        if (e1.name < e2.name) {
            return -1;
        }
        else if (e1.name > e2.name) {
            return 1;
        }
        else {
            return 0;
        }
    });
}
else {
    return niz;
}
};

/* filtriranje brands */
function filtriranjeBrendova(niz) {
    let nizSelektovanih = [];
    for (let i = 0; i < $(".brendovi:checked").length; i++) {
        nizSelektovanih.push(parseInt($(".brendovi:checked")[i].value));
    }
    if (nizSelektovanih.length !== 0) {
        return niz.filter((x) =>
            nizSelektovanih.includes(x.brandId));
    }
    else return niz;
}

/* filtriranje price */
function filtriranjePrice(niz) {
    let nizSelektovanih = [];
    for (let i = 0; i < $(".price:checked").length; i++) {

```

```

nizSelektovanih.push(parseInt($(".price:checked")[i].value));
    }
    if(nizSelektovanih.length>0){
        let nizIspis = [];
        for(let i=0; i<nizSelektovanih.length;i++){
            if(nizSelektovanih[i]=='100'){
                for(let y=0; y<niz.length; y++){
                    if(niz[y].price.newPrice>99 &&
niz[y].price.newPrice<151){
                        nizIspis.push(niz[y]);
                    }
                }
            }
            if(nizSelektovanih[i]=='150'){
                for(let y=0; y<niz.length; y++){
                    if(niz[y].price.newPrice>150 &&
niz[y].price.newPrice<201){
                        nizIspis.push(niz[y]);
                    }
                }
            }
            if(nizSelektovanih[i]=='200'){
                for(let y=0; y<niz.length; y++){
                    if(niz[y].price.newPrice>200){
                        nizIspis.push(niz[y]);
                    }
                }
            }
        }
        return nizIspis;
    }
    else return niz;

}

/* pretraga tekst */
function pretragaPoTextu(niz){
    let unosKorisnika = document.getElementById('search').value;

    return niz.filter(function (el){

```



```

        if
    (el.name.toUpperCase().indexOf(unosKorisnika.trim().toUpperCase()) !=
    -1){

        return el;
    }
    });

}

function filterChange(){
    pokupiPodatke('products.json',ispisProducts);
}

/* regex provera */
let reName = /^[A-ZČĆŠĐŽ][a-zčćšđž]{2,15}$/;
let reLastName =
/^[A-ZČĆŠĐŽ][a-zčćšđž]{2,15}) (\s[A-ZČĆŠĐŽ][a-zčćšđž]{2,15})?$/;
let reEmail = /^[\\w-\\.]+@([\\w-]+\\.)+[\\w-]{2,4}$/;
let reNumber = /^[+][0-9]{9,12}$/;

function buttonClick(){
    let name = document.getElementById('ime').value;
    let lastName = document.getElementById('prezime').value;
    let email = document.getElementById('email').value;
    let telefon = document.getElementById('telefon').value;
    let textarea = document.getElementById('message').value;
    let greske = [];

    if(!reName.test(name)){
        if(name==''){
document.getElementById('ime').setAttribute('placeholder', "Name can't
be empty...");

        document.getElementById('ime').style.backgroundColor =
'#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
        }
        else{

```

```

document.getElementById('ime').setAttribute('placeholder', "Wrong name
entry...");

        document.getElementById('ime').value = '';
        document.getElementById('ime').style.backgroundColor =
'#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
    }
    greske.push("ime");
}
else{
    document.getElementById('ime').style.backgroundColor =
'white';
}

    if(!reLastName.test(lastName)){
        if(lastName==''){

document.getElementById('prezime').setAttribute('placeholder', "Last
name can't be empty...");

document.getElementById('prezime').style.backgroundColor = '#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
    }
    else{

document.getElementById('prezime').setAttribute('placeholder', "Wrong
last name entry...");
        document.getElementById('prezime').value = '';

document.getElementById('prezime').style.backgroundColor = '#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
    }
    greske.push("prezime");
}
else{
    document.getElementById('prezime').style.backgroundColor =
'white';
}

```

```

        if(!reEmail.test(email)){
            if(email==''){

document.getElementById('email').setAttribute('placeholder', "Email
can't be empty...");
                document.getElementById('email').style.backgroundColor
= '#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
            }
            else{

document.getElementById('email').setAttribute('placeholder', "Wrong
email entry...");
                document.getElementById('email').value = '';
                document.getElementById('email').style.backgroundColor
= '#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
            }
            greske.push("email");
        }
        else{
            document.getElementById('email').style.backgroundColor =
'white';
        }

        if(!reNumber.test(telefon)){
            if(telefon==''){

document.getElementById('telefon').setAttribute('placeholder', "Phone
number can't be empty...");

document.getElementById('telefon').style.backgroundColor = '#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
            }
            else{

document.getElementById('telefon').setAttribute('placeholder', "Wrong
phone number entry...");
                document.getElementById('telefon').value = '';

```

```

document.getElementById('telefon').style.backgroundColor = '#c9b3b5';

document.getElementById('message-sent').style.visibility = 'hidden';
    }
    greske.push("telefon");
}
else{
    document.getElementById('telefon').style.backgroundColor =
'white';
}

    if(textarea == ''){

document.getElementById('message').setAttribute('placeholder', "Message
can't be empty...");
        document.getElementById('message').style.backgroundColor =
'#c9b3b5';
        document.getElementById('message-sent').style.visibility =
'hidden';
        greske.push("message");
    }
    else{
        document.getElementById('message').style.backgroundColor =
'white';
    }

    if(greske.length==0){
        document.getElementById('message-sent').style.visibility =
'visible';
    }
}

/* korpa */

function dodavanjeULocalStorage(ime, data){
    localStorage.setItem(ime, JSON.stringify(data));
};
function procitajKorpu(ime){

```

```

        return JSON.parse(localStorage.getItem(ime));
    }

    function dodajUKorpu() {
        let dataId = $(this).data('id');
        //console.log(dataId);
        let proveraKorpe = procitajKorpu('korpa');

        if(proveraKorpe) {
            //console.log('Ima u korpi');
            document.getElementById('broj-porudzbina').style.visibility
= 'visible';
            $('#broj-porudzbina').html(proveraKorpe.length);

            if(proveraKorpe.filter(k => k.id == dataId).length) {
                //console.log('dodaj kolicinu');
                for(let i=0; i<proveraKorpe.length; i++){
                    if(proveraKorpe[i].id==dataId) {
                        proveraKorpe[i].kolicina++;
                        break;
                    }
                }
                dodavanjeULocalStorage('korpa',proveraKorpe);
            }
            else{
                //console.log('dodaj novi u korpu');
                proveraKorpe.push({
                    id:dataId,
                    kolicina: 1
                });
                dodavanjeULocalStorage('korpa',proveraKorpe);
            }
            document.getElementById('broj-porudzbina').style.visibility =
'visible';
            $('#broj-porudzbina').html(proveraKorpe.length);
        }

    }
    else{
        //console.log('Nema u korpi');
        let prozivodiUKorpi = [];
        prozivodiUKorpi[0]= {

```

```

        id: dataId,
        kolicina: 1
    }
    dodavanjeULocalStorage('korpa', prozivodiUKorpi);
    document.getElementById('broj-porudzbina').style.visibility
= 'visible';
    $('#broj-porudzbina').html(prozivodiUKorpi.length);
    }

};

function ispisiCart(){
    let produkti = procitajKorpu('korpa');
    let sviProdukti = procitajKorpu('products');

    //console.log(produkti);
    //console.log(sviProdukti);

    let produktiNoviNiz = [];

    if(produkti==null || produkti==0){
        let html = `<div class="container">
        <div class="nothing-selected">
            <p>Nothing selected in the Cart yet!</p>
        </div>
    </div>`;
        $('#main-korpa').html(html);
    }
    else{
        sviProdukti.filter(sp=> {
            for(let p of produkti){
                if(sp.id == p.id){
                    sp.kolicina = p.kolicina;
                    return produktiNoviNiz.push(sp);
                }
            }
        });
        pojedinačniProdukti(produktiNoviNiz);
        $('.product-remove').click(izbrisiProizvod);
        $('#remove-all').click(izbrisiSveProizvodeIzKorpe);
        $('#purchase').click(purchase);
    }
}

```

```

        $(".add-one-more").click(addOneMore);
        $(".down-quantity").click(quantityDown);
    }
    //console.log(produktiNoviNiz);
    if(produkti==0 || produkti==null){
        localStorage.removeItem('korpa');
    }
};

function pojedinačniProdukti(niz){
    let html = '';
    let totalPrice = 0;
    html+="

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```

```

        </div>
        <div class="korpa-blok">
            <p>${n.price.newPrice}€</p>
        </div>
        <div class="korpa-blok">
            <p>${n.kolicina}</p>
        </div>
        <div class="korpa-blok">
            <p>${n.kolicina * n.price.newPrice}€</p>
        </div>
    </div>
    <div class="add-remove">
        <div class="add-quantity">
            <input type="button" value="Add One More"
class="add-one-more" data-id="${n.id}"/>
        </div>
        <div class="quantity-down">
            <input type="button" value="Quantity Down"
class="down-quantity" data-id="${n.id}"/>
        </div>
        <div class="remove-product">
            <input type="button" value="Remove Product"
class="product-remove" data-id="${n.id}"/>
        </div>
    </div>`;
    totalPrice += n.kolicina * n.price.newPrice;
}

html+=`<div id="sum-all">
    <div id="price-summary">
        <p>Total price: ${totalPrice}€</p>
    </div>
    <div id="purchase-div">
        <input type="button" value="Prurchase"
id="purchase"/>
    </div>
    <div id="remove-all-div">
        <input type="button" value="Remove All"
id="remove-all"/>
    </div>
</div>`;

```



```

        html+='</div>';

        $('#main-korpa').html(html);
    };

    function izbrisiProizvod() {
        let dataId = $(this).data('id');
        console.log(dataId);

        let produkti = procitajKorpu('korpa');
        let izbrisani = produkti.filter(p => p.id !== dataId);
        console.log(izbrisani);

        dodavanjeULocalStorage('korpa', izbrisani);
        ispisiCart();
    }

    function izbrisiSveProizvodeIzKorpe() {
        localStorage.removeItem('korpa');
        ispisiCart();
    }

    function purchase() {
        let produkti = procitajKorpu('korpa');
        let greske = [];
        for(let p of produkti) {
            if(p.kolicina > 5) {
                alert("Can't order more than 5 same products.");
                p.kolicina = 5;
                dodavanjeULocalStorage('korpa', produkti);
                greske.push('greska');
                ispisiCart();
            }
        }
        if(greske.length > 0) {
            ispisiCart();
        }
        else {
            otovriPurchase();
        }
    }
}

```

```

function addOneMore() {
    let dataId = $(this).data('id');
    let produkti = procitajKorpu('korpa');
    for(let i=0; i<produkti.length; i++){
        if(produkti[i].id == dataId){
            produkti[i].kolicina++;
            if(produkti[i].kolicina>=6){
                alert("Can't order more than 5 same products.");
                produkti[i].kolicina = 5;
            }
        }
    }
    dodavanjeULocalStorage('korpa',produkti);
    ispisiCart();
}

function quantityDown(){
    let dataId = $(this).data('id');
    let produkti = procitajKorpu('korpa');
    for(let i=0; i<produkti.length; i++){
        if(produkti[i].id == dataId){
            produkti[i].kolicina--;
            if(produkti[i].kolicina==0){
                produkti[i].kolicina++;
            }
        }
    }
    dodavanjeULocalStorage('korpa',produkti);
    ispisiCart();
}

function otovriPurchase(){
    document.getElementById('iskacujuci-prozor').style.visibility =
'visible';
    let produkti = procitajKorpu('korpa');
    let sviProdukti = procitajKorpu('products');
    console.log(produkti);
    console.log(sviProdukti);

    let html = `<p>Enter your name</p>
    <input type="text" name="name-cart" id="name-cart"
class="uredi-input" placeholder="Name:"/>
    <p>Enter your address</p>

```

```

        <input type="text" name="address-cart" id="address-cart"
class="uredi-input" placeholder="Address:"/>`;
        for(let i=0; i<produkti.length; i++){
            for(let y=0; y<sviProdukti.length; y++){
                if(produkti[i].id == sviProdukti[y].id){
                    html+=`<p>Enter size of ${sviProdukti[y].name}</p>
                        <input type="text" name="address-cart"
class="size-provera uredi-input"/>`;
                }
            }
        }
        html+=`</br><input type="button" id="naruci-btn"
value="Purchase"/>`;
        $('#forma-cart').html(html);
        document.getElementById('naruci-btn').addEventListener('click',
finalPurchase);
    }

    function ugasiPurchase() {
        document.getElementById('iskacujuci-prozor').style.visibility =
'hidden';
    }

    function finalPurchase(){
        let ime = document.getElementById('name-cart').value;
        let adresa = document.getElementById('address-cart').value;
        let greske = [];
        let reAdresa =
/^([A-Z0-9][a-z0-9]{0,15})\s([A-Z0-9][a-z0-9]{0,15})+$/;

        console.log(ime);
        console.log(adresa);
        console.log(!reName.test(ime));

        if(!reName.test(ime)){
            if(ime==''){
document.getElementById('name-cart').setAttribute('placeholder', "Name
can't be empty...");
            }
            else{

```

```

document.getElementById('name-cart').setAttribute('placeholder', "Wrong
name entry...");
    }
    greske.push('name');
    document.getElementById('name-cart').value = '';
}
else{
    document.getElementById('name-cart').style.color = "black";
}

if(!reAdresa.test(adresa)){
    if(adresa==''){

document.getElementById('address-cart').setAttribute('placeholder',
"Address can't be empty...");
    }
    else{

document.getElementById('address-cart').setAttribute('placeholder',
"Wrong adress entry...");
    }
    greske.push('address');
    document.getElementById('address-cart').value = '';
}
else{
    document.getElementById('address-cart').style.color =
"black";
}

let velicinaProvera = $('#.size-provera').val()

if(velicinaProvera<39 || velicinaProvera>48){
    $('#.size-provera').attr('placeholder', "Size has to be
between 39 and 48");
    $('#.size-provera').val('');
    greske.push('size');
}

//console.log(greske)

if(greske.length==0){
    localStorage.removeItem('korpa');

```

```

        ispisiCart();
        alert('You ordered successfully!');

document.getElementById('iskacujuci-prozor').style.visibility =
'hidden';
    }
};
};

```

3.4 JSON

3.4.1 brands.json

```

[
  {
    "id": 1,
    "name": "Nike",
    "picture": "nike-brand-5.jpg",
    "moto": "Make the game easy",
    "description": "Nike, Inc. is an American multinational
corporation which is the world's largest supplier and manufacturer of
athletic shoes, apparel and other sports equipment."
  },
  {
    "id": 2,
    "name": "Adidas",
    "picture": "adidas-brand-4.jpg",
    "moto": "Worn by the best",
    "description": "Adidas is a German manufacturer of sports
equipment. Adidas is a small European manufacturer of sports equipment.
The logo of this company represents three parallel lines."
  },
  {
    "id": 3,
    "name": "Puma",
    "picture": "puma.webp",
    "moto": "Faster than you imagine",
    "description": "Puma is a German multinational sports equipment
manufacturer based in Herzogenaurach, Bavaria. Puma is known as a
sponsor of Jusein Bolt and the athletic team from Jamaica."
  },
]

```

```

{
  "id": 4,
  "name": "Mizuno",
  "picture": "mizuno.jpg",
  "moto": "Stick to the Quality",
  "description": "Mizuno Corporation is a Japanese sports
equipment and sportswear company. A wide variety of sports: golf,
tennis, baseball, volleyball, football, running, rugby, skiing,
swimming, cycling, judo, table tennis, badminton, boxing and
athletics."
}
]

```

3.2.2 products.json

```

[
  {
    "id":1,
    "brandId":1,
    "name": "Nike Tiempo Legend 9",
    "price":{
      "oldPrice": 200,
      "newPrice": 155
    },
    "image": {
      "src": "nike-tiempo.jpg",
      "alt": "Nike"
    }
  },
  {
    "id":2,
    "brandId":1,
    "name": "Nike Mercurial Superfly",
    "price":{
      "oldPrice": 250,
      "newPrice": 165
    },
    "image": {
      "src": "nike-superfly2.jpg",
      "alt": "Nike"
    }
  }
]

```

```

    }
  },
  {
    "id":3,
    "brandId":2,
    "name": "Adidas Copa 20.1",
    "price":{
      "oldPrice": 150,
      "newPrice": 140
    },
    "image": {
      "src": "adidas-copa.jpg",
      "alt": "Adidas"
    }
  },
  {
    "id":4,
    "brandId":4,
    "name": "Mizuno Morilea Neo",
    "price":{
      "oldPrice": 300,
      "newPrice": 222
    },
    "image": {
      "src": "mizuno-morilea6.jpg",
      "alt": "Mizuno"
    }
  },
  {
    "id":5,
    "brandId":3,
    "name": "Puma Future Z",
    "price":{
      "oldPrice": 170,
      "newPrice": 145
    },
    "image": {
      "src": "puma-future.webp",
      "alt": "Puma"
    }
  },
  {
    "id":6,

```

```

    "brandId":2,
    "name": "Adidas Predator Egde",
    "price":{
        "oldPrice": 230,
        "newPrice": 179
    },
    "image": {
        "src": "adidas-predator.jpg",
        "alt":"Adidas"
    }
},
{
    "id":7,
    "brandId":1,
    "name": "Nike Phantom GT Pro",
    "price":{
        "oldPrice": 200,
        "newPrice": 150
    },
    "image": {
        "src": "nike-phantom.jpg",
        "alt":"Nike"
    }
},
{
    "id":8,
    "brandId":4,
    "name": "Mizuno Morliea Pro",
    "price":{
        "oldPrice": 300,
        "newPrice": 222
    },
    "image": {
        "src": "mizuno-morileapro.jpg",
        "alt":"Mizuno"
    }
},
{
    "id":9,
    "brandId":3,
    "name": "Puma Ultra 1.2",
    "price":{
        "oldPrice": 160,

```



```

        "newPrice": 144
    },
    "image": {
        "src": "puma-ultra.webp",
        "alt": "Puma"
    }
},
{
    "id":10,
    "brandId":2,
    "name": "Adidas Nemeziz 19",
    "price":{
        "oldPrice": 320,
        "newPrice": 270
    },
    "image": {
        "src":"adidas-nemeziz.jpg",
        "alt": "Adidas"
    }
},
{
    "id":11,
    "brandId":4,
    "name": "Mizuno Morliea Elite",
    "price":{
        "oldPrice": 300,
        "newPrice": 222
    },
    "image": {
        "src": "mizuno-morilea-elite.webp",
        "alt": "Mizuno"
    }
},
{
    "id":12,
    "brandId":3,
    "name": "Puma King Platinum",
    "price":{
        "oldPrice": 277,
        "newPrice": 210
    },
    "image": {
        "src": "puma-king.webp",

```

```

        "alt": "Puma"
    }
},
{
    "id":13,
    "brandId":1,
    "name": "Nike Vapor Superfly",
    "price":{
        "oldPrice": 250,
        "newPrice": 190
    },
    "image": {
        "src": "nike-mercurial-superfly.webp",
        "alt": "Nike"
    }
},
{
    "id":14,
    "brandId":1,
    "name": "Nike Phantom GT Elite",
    "price":{
        "oldPrice": 220,
        "newPrice": 200
    },
    "image": {
        "src": "nike-phantom-gt.webp",
        "alt": "Nike"
    }
},
{
    "id":15,
    "brandId":3,
    "name": "Puma King Top",
    "price":{
        "oldPrice": 150,
        "newPrice": 110
    },
    "image": {
        "src":"puma-king-top.webp",
        "alt": "Puma"
    }
},
{

```

```

    "id":16,
    "brandId":4,
    "name": "Mizuno Rebula 2",
    "price":{
        "oldPrice": 300,
        "newPrice": 222
    },
    "image": {
        "src": "mizuno-rebula.jpg",
        "alt": "Mizuno"
    }
},
{
    "id":17,
    "brandId":2,
    "name": "Adidas World Cup",
    "price":{
        "oldPrice": 200,
        "newPrice": 160
    },
    "image": {
        "src": "adidas-wc.jpg",
        "alt": "Adidas"
    }
},
{
    "id":18,
    "brandId":3,
    "name": "Puma Ultra 1.3",
    "price":{
        "oldPrice": 230,
        "newPrice": 205
    },
    "image": {
        "src": "puma-ultra-1.jpg",
        "alt": "Puma"
    }
},
{
    "id":19,
    "brandId":2,
    "name": "Adidas Predator 20.3",
    "price":{

```

```
        "oldPrice": 170,  
        "newPrice": 130  
    },  
    "image": {  
        "src": "adidas-predator-20.jpg",  
        "alt": "Adidas"  
    }  
}  
]
```