



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.

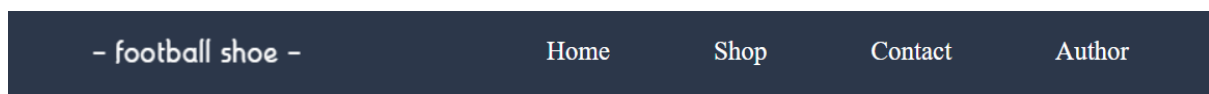
## 2. Organizacija

### 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 dohvaćaju 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, dohvaćanjem 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 koji su ranije bili skladišteni u LocalStorage
2. Prilikom proveravanja selektovanog proizvoda korisnik može manipulirati njime u vidu pouđenih dugmića
3. Prilikom klika na dugme "Add One More" povećava se količina proizvoda. Ukoliko je kolicina veca 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.

## 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>
</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>

```





```

    <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>

<!-- 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;
  }
}
}

```

```

/* 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: 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%;
    }
}

@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%;
    }
}
@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%;
    }
}
@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%;
    }
}

```

### 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('/')+1);

```

```

if (url == "/" || url == "/index.html"){
    pokupiPodatke('brands.json',ispisiBrendove);
    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=='/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();
}

/* 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>${niz[i].description}</p>
            <div class="marks-buy-now"><a
href="./shop.html">Buy now</a></div>
        </div>
    </div>
</div>`
}
else{
    html+=`<div class="marks-div">
<div class="container">
    <div class="marks-levo">
        <h4 class="marks-h">${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>`
}
}
$("#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((el1,el2)=>{
        if(el1.name < el2.name){
            return -1;
        }
        else if(el1.name > el2.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 != 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+="

58


```

```

        </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 sviProdukti = procitajKorpu('products')
    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();
        }
    }
    //console.log(greske.length)
    if(greske.length>0){
        ispisiCart();
    }
    else{
        let products = procitajKorpu('korpa');
        let allProducts = procitajKorpu('products')
    }
}

```

```

        let greske = [];
        for(let i=0; i<products.length; i++){
            for(let y=0; y<allProducts.length; y++){
                if(products[i].id==allProducts[y].id){
                    let velicina = prompt("Enter the size of "
+allProducts[y].name+ ":");
                    console.log(velicina);
                    if(velicina<39 || velicina>48){
                        greske.push(products[i].id)
                    }
                }
            }
        }
        console.log(greske);
        if(greske.length>0){
            for(let i=0; i<sviProdukti.length; i++){
                for(let y=0; y<greske.length; y++){
                    if(sviProdukti[i].id==greske[y]){
                        prompt("Size of "+sviProdukti[i].name+"
have to be between 39 and 48. Please enter the rigth size:");
                    }
                }
            }

            localStorage.removeItem('korpa');
            ispisiCart();
            alert("You ordered successfully");
        }
        else{
            localStorage.removeItem('korpa');
            ispisiCart();
            //console.log("nema greske");

            alert("You ordered successfully");
        }
    }

}

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();
}
};

```

## 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": {
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