VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

https://jelkesudo.github.io/musicstop/

Web programiranje 2

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Smer: Internet tehnologije

Modul: Web Programiranje

Predmet: Web Programiranje 1

Sadržaj

1. Uvod

1.1 Korišćeni jezici/biblioteke

Jezici koji su korišćeni za izradu sajta su HTML, CSS(SASS), XML, JavaScript i jQuery biblioteka JavaScripta.

1.2 Opis funkcionalnosti

Stranica index.html

- Dinamičko ispisivanje hedera stranice – (pojavljuje se na svakoj strani)
- Dinamičko ispisivanje futera stranice – (pojavljuje se na svakoj strani)
- Dinamičko ispisivanje navigacije na klik "hamburgera" – (pojavljuje se na svakoj strani)
- Broj artikala u korpi na ikonici korpa – (pojavljuje se na svakoj strani)
- "Carousel" na kojem se projektuju tri slike koje su na početnom baneru stranice

Stranica shop.html

- Dohvatanje i ispisivanje filtera koji se vide kada se pritisne „Filter" dugme
- „Scroller" za filtriranje raspona cene koji se nalazi u pop-up meniju koji se pojavljuje pritiskom na dugme „Filter"
- Padajući meni za biranje sortiranja po ceni rastućoj i opadajućoj, kao i po imenu rastućem i opadajućem
- Dohvatanje i ispisivanje proizvoda na stranici sa njihovom slikom, imenom i cenom, i ako imaju staru cenu, tj. ako su sniženi
- Pritiskom na neki od proizvoda pali se „modal" koji detaljnije opisuje proizvod, uz mogućnost pritiska dugmeta koje dodaje željeni predmet u korpu
- Dugme „Add to cart" koje dodaje predmet u korpu i pokušajem dodavanja istog predmeta više puta rezultuje u prikazivanje malog pop-up prozora koji obaveštava korisnika da je predmet već dodat.

Stranica contact.html

- Mogućnost slanja poruke, gde se unosi puno ime, e-mail, tema poruke iz padajućeg menija i sama poruka, koja se naknadno proverava regex-om u javascriptu, i ako nešto nije dobro popunjeno izbacuje poruka kod tog polja za pravilno popunjavanje forme

Stranica cart.html

- Forma u koju korisnik unosi svoje puno ime, e-mail. adresu, i mora izabrati da li je fizičko ili pravno lice pri poručivanju artikala. Prilikom popunjene forme podaci se šalju na proveru. gde ako nije dobro popunjeno neko polje kod istog se ispisuje pravilan način popunjavanja. Prilikom uspešno popunjene forme korpa se resetuje i forma se "submituje"
- Dohvatanje i ispis korpe iz "local storage-a" koji omogućuje korisniku pregled trenutnih predmeta u korpi, kao i dodavanje ili brisanje predmeta iz korpe. Ako trenutno nema predmeta u korpi ispisuje se tekst o tome.
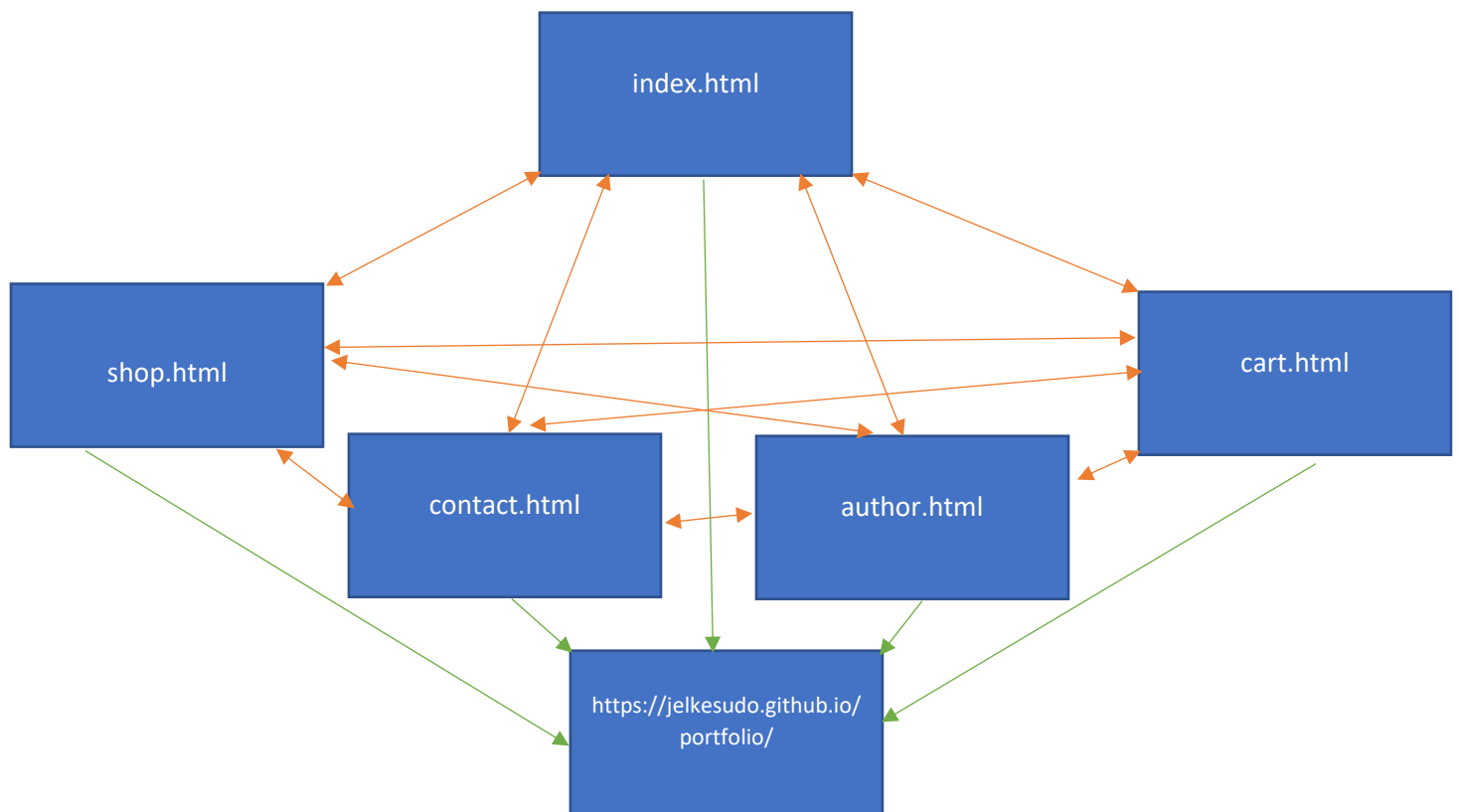
Stranica author.html nema nikakav dinamički ispis, i na njoj se nalazi slika autora stranice kao i nešto više o samom autoru, gde u tekstu je prikazan link za portfolio autora.

1.3 Template

Za izradu ovog web sajta nije korišćen prethodno urađen template.

2. Organizacija

2.1 Organizaciona šema

2.2 Mapa sajta

```xml
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <url>
    <loc>https://jelkesudo.github.io/musicstop/index.html</loc>
    <lastmod>2022-03-10</lastmod>
    <changefreq>weekly</changefreq>
    <priority>1.00</priority>
  </url>
  <url>
    <loc>https://jelkesudo.github.io/musicstop/cart.html</loc>
    <lastmod>2022-03-10</lastmod>
    <changefreq>weekly</changefreq>
    <priority>0.80</priority>
  </url>
  <url>
    <loc>https://jelkesudo.github.io/musicstop/shop.html</loc>
    <lastmod>2022-03-10</lastmod>
    <changefreq>weekly</changefreq>
    <priority>0.80</priority>
  </url>
  <url>
    <loc>https://jelkesudo.github.io/musicstop/contact.html</loc>
    <lastmod>2022-03-10</lastmod>
    <changefreq>weekly</changefreq>
    <priority>0.80</priority>
  </url>
  <url>
    <loc>https://jelkesudo.github.io/musicstop/author.html</loc>
    <lastmod>2022-03-10</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.60</priority>
  </url>
</urlset>
```

3.Slike stranica i opis funkcionalnosti
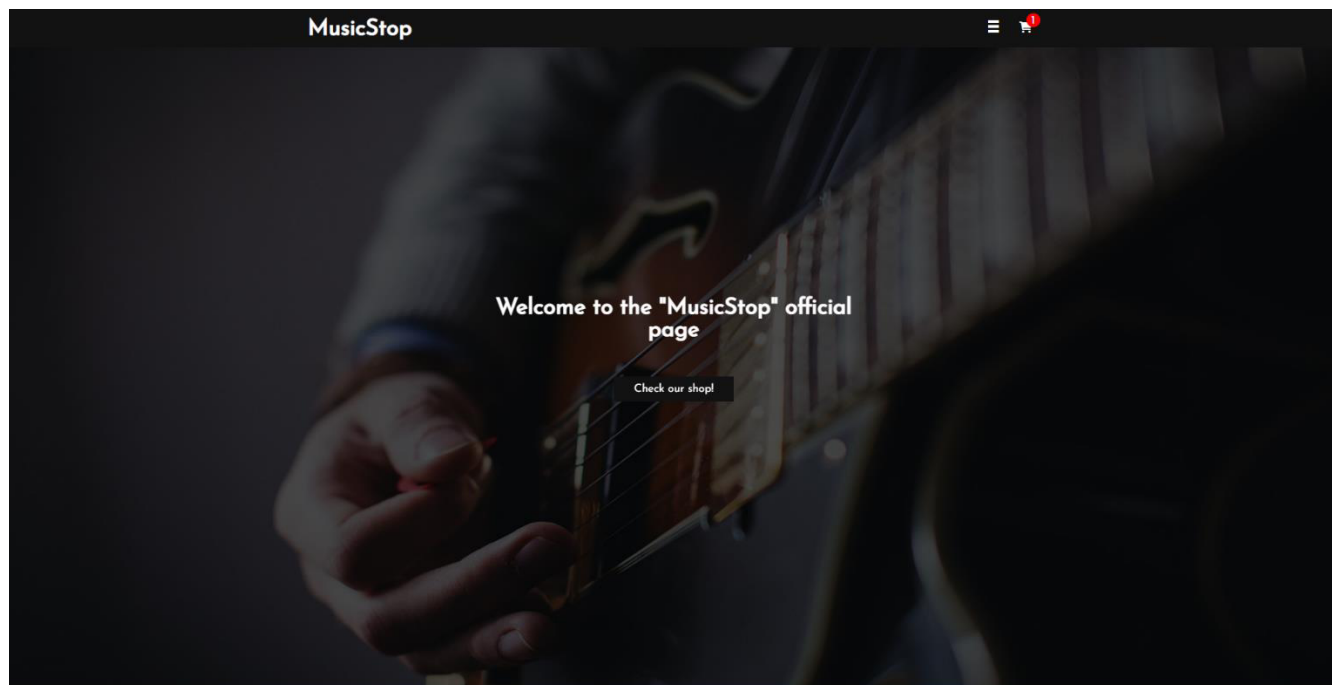
Prvi put kada korisnik uđe u stranicu vidi pozadinsku sliku koja je urađena preko „carousel-a" na kojoj se smenjuju tri slike. Odavde korisnik može da sazna neštoviše o prodavnici čiji je sajt i da ode na neke druge stranice u sklopu sajta.

Klikom na ikonicu otvara se modal-meni koji nudi opciju korisniku da pređe na neku drugu sranicu, a modal izgleda ovako:
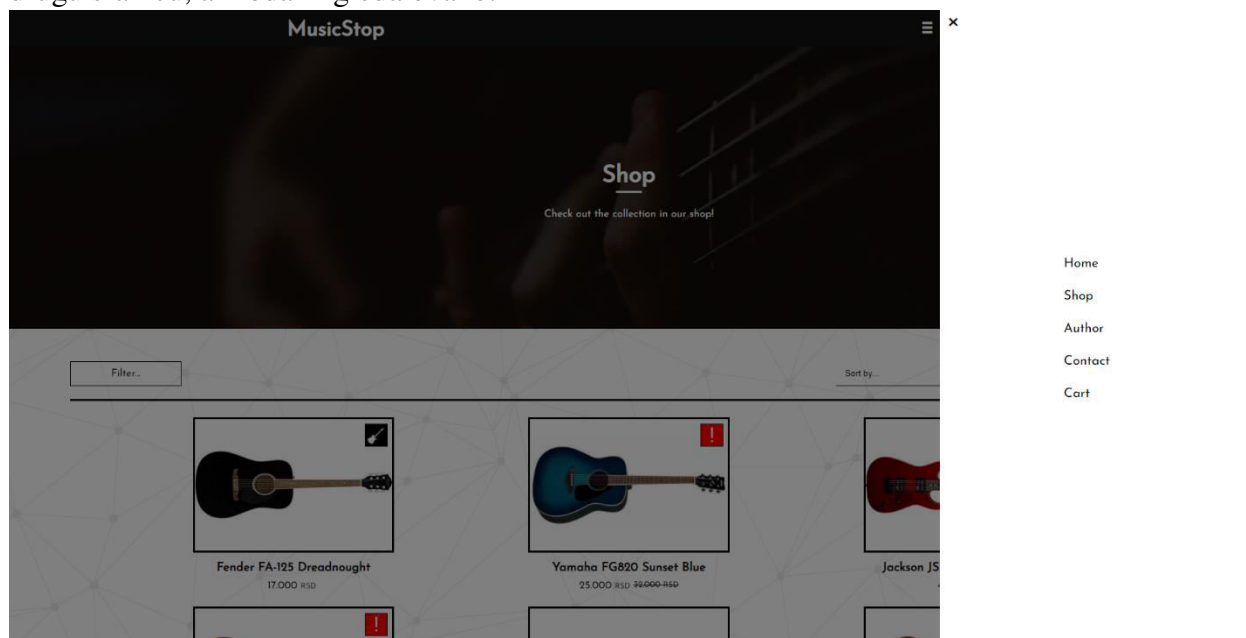
Klikom na bilo koji od linkova korisnik biva premešten na željenu stranicu.

Modal za filtere se ispisuje na shop.html stranici odmah prilikom učitavanja, nakon čega se ispisuju i sami proizvodi:
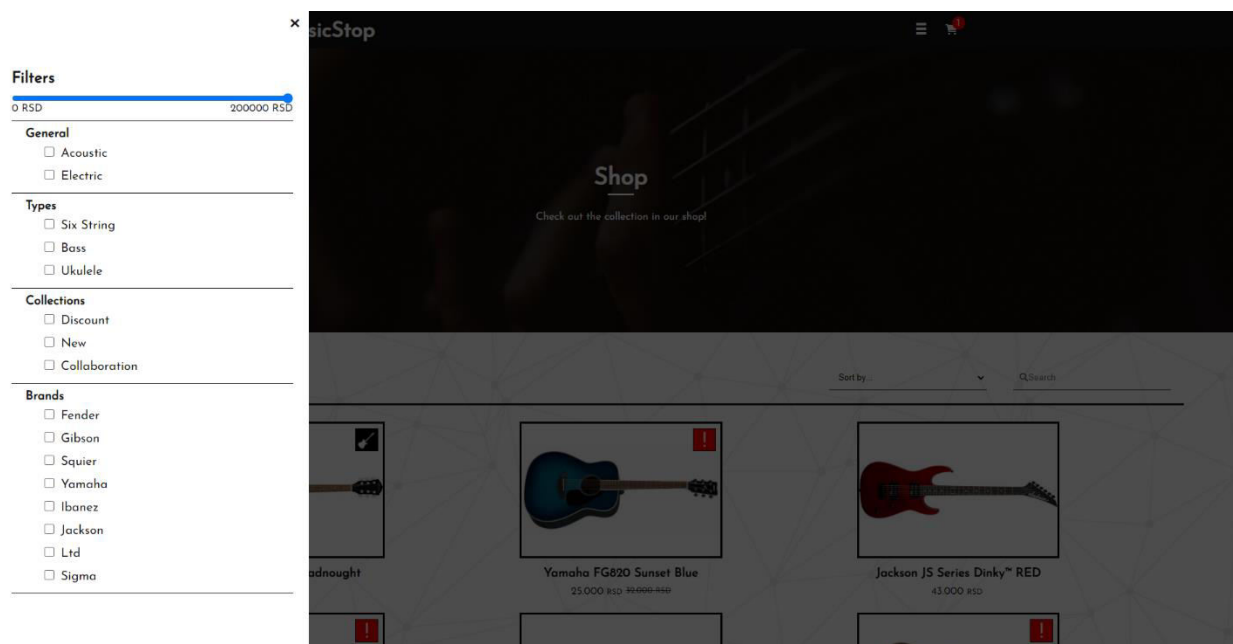
Da bi se pristupilo na modal treba pritisnuti dugme

Modal u sebi sadrži traku za biranje raspona cene, kao i razne filtere za filtriranje proizvoda na stranici.

Prevlačenjem tačke sa trake se bira cena i po njoj filtriraju proizvodi koji su jeftiniji ili jednaki ceni koja je prikazana na desnoj strani trake

Nakon ispisanih filtera generiše se padajući meni sa mogućnošću sortiranja po ceni rastućoj i opadajućoj, i input polje za pretragu po imenu artikla.
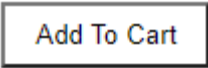
Posle toga generišu se i sami proizvodi
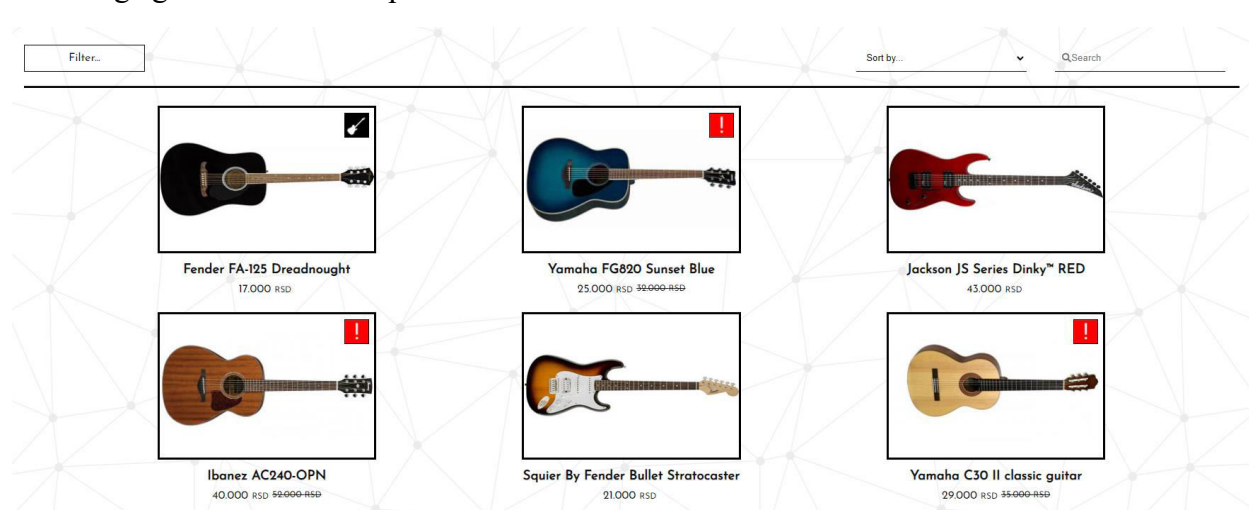
Svaki proizvod ima sliku, tag na kojem je označeno da li je proizvod nov, na akciji ili je za taj proizvod izvedena kolaboracija. Proizvod ne mora imati tag, te ga ne svrstava ni u jednu od ovih kategorija, ali ga prikazuje.

Pritiskom na proizvod pojavljuje se modal koji pored svega navedenog, prikazuje mali tekst o artiklu i mogućnost dodavanja istog u korpu
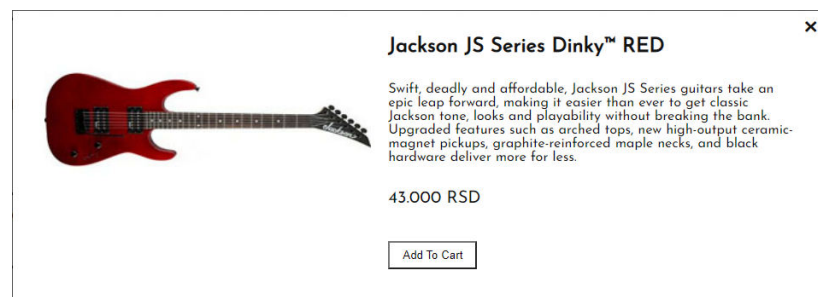
Pritiskom na dugme [Add To Cart] dodaje se željeni predmet u korpu i kupovina se može dalje nastaviti, ponovnim pokušajem dodavanja predmeta u korpu iskače u gornjem desnom uglu mali modal koji obaveštava korisnika da je već taj artikal dodao u korpu
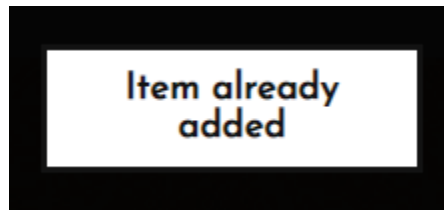
Kada korisnik izađe iz proizvoda može primetiti da se broj na ikonici za korpu koja se nalazi u header-u stranice povećao za onoliko artikala koliko je dodao, ali ne i za količinu samog artikla koju korisnik naknadno dodaje u korpi
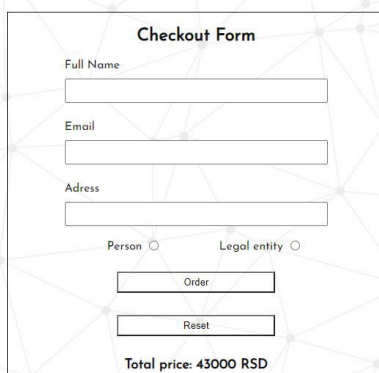
 prazna korpa   korpa sa artiklima

Ako korisnik odluči da završi kupovinu i ode u korpu (korpa.html), videće formu za porudžbinu artikala kao i same artikle u korpi, ukupnu cenu svih artikala sa njihovim količinama i mogućnost dodavanja ili uklanjanja količine ili celog artikla iz korpe

Prilikom popunjavanja forme korisnik mora uneti puno ime i prezime u formatu „Ime Prezime", email adresu u formatu „email@domen.com" i adresu u formatu „Ulica, broj", gde se prvo navodi ime ulice a posle zareza i sam broj ulice. Korisnik mora takodje popuniti da li je fizičko ili pravno lice, nakon svega toga on može poslati formu na proveru. Ako forma nije dobro uneta,iskočiće greška kod bloka gde korisnik nije dobro uneo podatke i obavestiće ga na koji način to polje da popuni
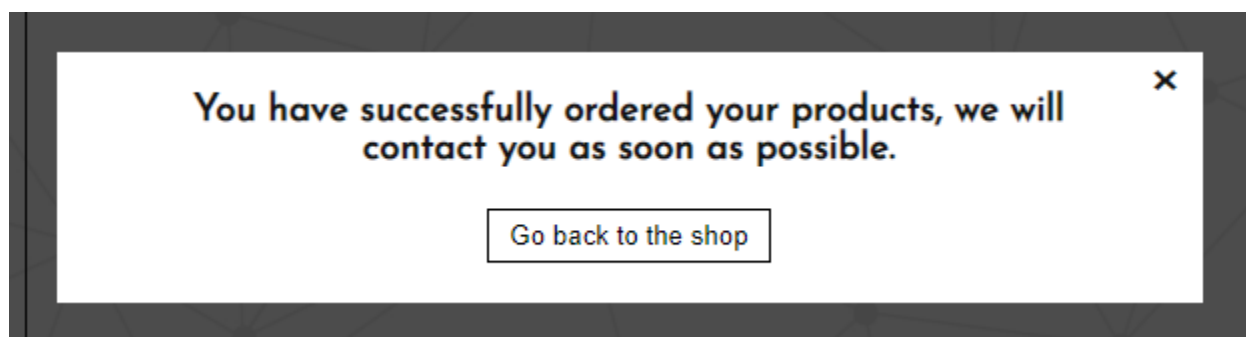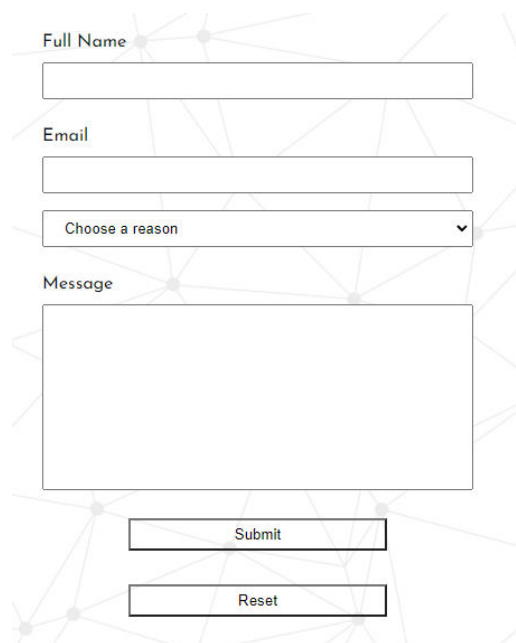
Ako korisnik dobro unese podatke forma se šalje, stvari iz korpe brišu i brišu se iz „local storage--a", nakon čega se pojavljuje ovaj modal:

Na stranici contact.html takođe postoji forma, ali ona služi za slanje poruka prodavnici, gde korisnik unosi puno ime, email, bira jedan od razloga za pisanje iz padajućeg menija i samu poruku.

Na desnoj slici je primer nepravilno unetih blokova forme za slanje poruke.

Ako korisnik dobro popuni ovu formu iskočiće modal:
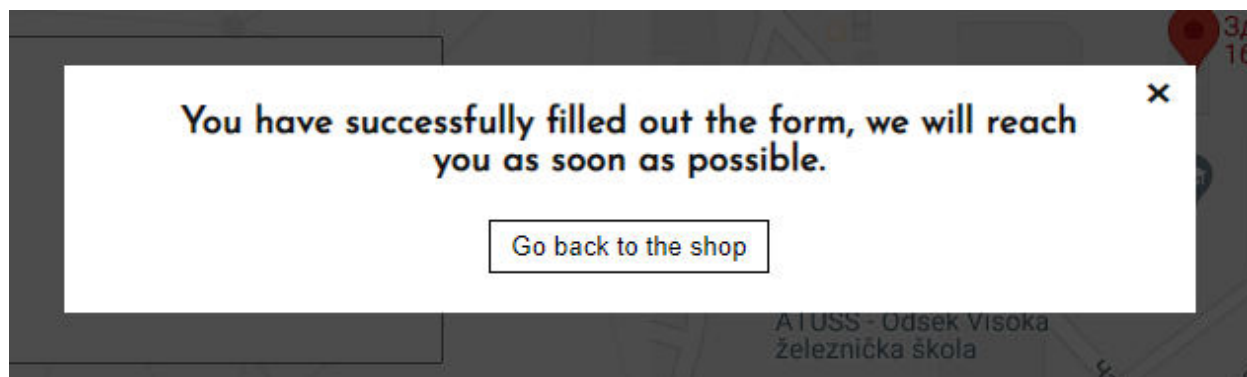
3. Kodovi

3.1 HTML

3.1.1 index.html

```html
4.  <!DOCTYPE html>
5.  <html lang="en">
6.      <head>
7.          <meta charset="UTF-8"/>
8.          <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
9.          <meta name="viewport" content="width=device-width, initial-
    scale=1.0"/>
10.         <meta name="author" content="Filip Jelić"/>
11.         <meta name="keywords" content="black. black"/>
12.         <meta name="description" content="World wide web page of `black.`
    company."/>
13.         <link rel="stylesheet" type="text/css"
    href="assets/css/style.css"/>
14.         <link rel="shortcut icon" href="assets/img/logo.ico"/>
15.         <link rel="stylesheet" type="text/css"
    href="//cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.css"/>
16.         <script src="https://kit.fontawesome.com/80203d7dc5.js"
    crossorigin="anonymous"></script>
17.         <title>MusicStop | Home</title>
18.     </head>
19.     <body>
20.         <div id="navMeni">
21.             <div id="emptySpace"></div>
22.             <nav id="navigacija">
23.                 <div id="zatvaranje">
24.                     <h2>&Cross;</h2>
25.                 </div>
26.                 <div class="listaMeni">
27.                     <ul id="meniLista">
28.                         <!-- generated with javascript -->
29.                     </ul>
30.                 </div>
31.             </nav>
32.         </div>
33.         <header id="header">
34.             <div id="logo">
35.                 <a href="index.html"><h1>MusicStop</h1></a>
36.             </div>
37.             <div class="ikonice">
38.                 <div id="hamburger">
39.                     <h2>&equiv;</h2>
```

```html
40.                    </div>
41.                    <div id="cart">
42.                        <a href="cart.html"><i class="fa-solid fa-cart-
    shopping"></i><p id="numberSold">0</p></a>
43.                    </div>
44.                </div>
45.            </header>
46.            <main>
47.                <div id="cover">
48.                    <div class="bannerBlack">
49.                        <div class="centerBlack">
50.                            <h1>Welcome to the "MusicStop" official page</h1>
51.                            <a href="shop.html"><div class="buttonShop">Check
    our shop!</div></a>
52.                        </div>
53.                    </div>
54.                    <div id="coverPicture">
55.                        <!-- generated with javascript -->
56.                    </div>
57.                </div>
58.                <div class="blackCollection">
59.                    <div class="blackSlike">
60.                        <div class="imageBlack prva">
61.                            <img src="assets/img/block1.png" alt="black1"/>
62.                            <div class="imageBlack druga">
63.                                <img src="assets/img/block2.png"
    alt="black2"/>
64.                            </div>
65.                        </div>
66.                    </div>
67.                    <div class="blackTekst">
68.                        <div class="headingNaslov prviNaslov">
69.                            <h2>For every musician!</h2>
70.                        </div>
71.                        <p>In our store you can find all sorts of guitars,
    there is something for everyone. Beginners and intermediate players will
    be able to find any type of guitar they desire for their needs. Our staff
    will most certainly be at your service to pick the perfect guitar for
    you.</p>
72.                    </div>
73.                </div>
74.                <div class="blackCollection">
75.                    <div class="profileBlack">
76.                        <img src="assets/img/sinceGuitar1.png"
    alt="sinceGuitar1"/>
```

```
77.                     </div>
78.                     <div class="blackTekst text-center mx-40">
79.                         <div class="headingNaslov drugiNaslov">
80.                             <h2>With you since 1987</h2>
81.                         </div>
82.                         <p>First time when we opened these doors we could not
    have imagined that we are going to put so much smiles on the faces of all
    of our customers, as well as help those who had trouble with their
    instruments. Our legacy from then has stayed the same and we welcome all
    to join MusicStop community!</p>
83.                     </div>
84.                     <div class="profileBlack">
85.                         <img src="assets/img/sinceGuitar2.png"
    alt="sinceGuitar2"/>
86.                     </div>
87.                 </div>
88.         </main>
89.         <footer>
90.             <nav>
91.                 <ul id="footerNav">
92.                     <!-- generated with javascript -->
93.                 </ul>
94.             </nav>
95.             <div class="copyright">
96.                 <p>&copy;Copyright <a
    href="https://jelkesudo.github.io/portfolio/" target="_blank">Filip
    Jelić</a> 2022 - Visoka ICT</p>
97.             </div>
98.         </footer>
99.         <script
    src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></s
    cript>
100.            <script type="text/javascript"
    src="//cdn.jsdelivr.net/npm/slick-
    carousel@1.8.1/slick/slick.min.js"></script>
101.            <script type="text/javascript"
    src="assets/js/main.js"></script>
102.        </body>
103.    </html>
```

3.1.2 shop.html

```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"/>
        <meta name="author" content="Filip Jelić"/>
        <meta name="keywords" content="black. black"/>
        <meta name="description" content="World wide web page of `black.`
company."/>
        <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
        <link rel="shortcut icon" href="assets/img/logo.ico"/>
        <link rel="stylesheet" type="text/css"
href="//cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.css"/>
        <script src="https://kit.fontawesome.com/80203d7dc5.js"
crossorigin="anonymous"></script>
        <title>MusicStop | Shop</title>
    </head>
    <body>
        <div id="modalItem">
            <div class="modalContent">
                <div id="zatvaranjeModal">
                    <h2>&Cross;</h2>
                </div>
                <div id="ispisModal">

                </div>
            </div>
        </div>
        <div id="miniModal">
            <h3>Item already added</h3>
        </div>
        <div id="filterShop">
            <div class="filterFlexFullSpace">
                <div class="fliterFlex">
                    <div id="zatvaranjeFilter">
                        <h2>&Cross;</h2>
                    </div>
                    <h2>Filters</h2>
                    <div class="sectionFilter">
                        <input type="range" id="rasponCene" value="200000"
min="0" max="200000"/>
                        <div class="priceRangeCount">
                            <div class="minValue">
```

```html
                        <p>0 RSD</p>
                    </div>
                    <div class="maxValue">
                        <p><span id="priceValueRange">200000</span>
RSD</p>
                    </div>
                </div>
            </div>
            <div id="filterShopCategories">
                <!-- generated with javascript -->
            </div>
        </div>
    </div>
    <div id="filterFlexEmptySpace">

    </div>
</div>
<div id="navMeni">
    <div id="emptySpace"></div>
    <nav id="navigacija">
        <div id="zatvaranje">
            <h2>&Cross;</h2>
        </div>
        <div class="listaMeni">
            <ul id="meniLista">
                <!-- generated with javascript -->
            </ul>
        </div>
    </nav>
</div>
<header id="header">
    <div id="logo">
        <a href="index.html"><h1>MusicStop</h1></a>
    </div>
    <div class="ikonice">
        <div id="hamburger">
            <h2>&equiv;</h2>
        </div>
        <div id="cart">
            <a href="cart.html"><i class="fa-solid fa-cart-
shopping"></i><p id="numberSold">0</p></a>
        </div>
    </div>
</header>
<main>
```

```html
            <div id="bannerShop" class="pt-50">
                <div class="naslovShop">
                    <div class="textNaslov">
                        <div class="shopNaslov treciNaslov">
                            <h2>Shop</h2>
                        </div>
                        <p>Check out the collection in our shop!</p>
                    </div>
                </div>
            </div>
            <div class="containerShop">
                <div id="contentShop">
                    <div class="sortShop">
                        <div class="filterButtonDiv">
                            <div id="buttonFilter">Filter...</div>
                        </div>
                        <div class="sort">
                            <select name="sortPrice" id="sortPrice">
                                <option value="0">Sort by...</option>
                                <option value="A-Z">Name A-Z</option>
                                <option value="Z-A">Name Z-A</option>
                                <option value="asc">Price ascending</option>
                                <option value="desc">Price descending</option>
                            </select>
                            <!-- <select name="sortShowPerPage"
id="sortShowPerPage">

                                <option value="30">3 in a row</option>
                                <option value="22">4 in a row</option>
                                <option value="18">5 in a row</option>
                            </select> -->
                            <input type="text" id="searchProducts"
placeholder="&#xF002;Search" style="font-family:Arial, FontAwesome"/>
                        </div>
                    </div>
                    <div id="articlesShop">
                        <!-- generated with javascript -->
                    </div>
                </div>
            </div>
        </main>
        <footer>
            <nav>
                <ul id="footerNav">
                    <!-- generated with javascript -->
                </ul>
```

```html
            </nav>
            <div class="copyright">
                <p>&copy;Copyright <a
href="https://jelkesudo.github.io/portfolio/" target="_blank">Filip Jelić</a>
2022 - Visoka ICT</p>
            </div>
        </footer>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
        <script type="text/javascript" src="assets/js/main.js"></script>
    </body>
</html>
```

3.1.3 cart.html

```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"/>
        <meta name="author" content="Filip Jelić"/>
        <meta name="keywords" content="black. black"/>
        <meta name="description" content="World wide web page of `black.`
company."/>
        <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
        <link rel="shortcut icon" href="assets/img/logo.ico"/>
        <link rel="stylesheet" type="text/css"
href="//cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.css"/>
        <script src="https://kit.fontawesome.com/80203d7dc5.js"
crossorigin="anonymous"></script>
        <title>MusicStop | Home</title>
    </head>
    <body>
        <div id="orderSuccess" class="successModal">
            <div class="messageBox">
                <div id="zatvaranjeSuccess">
                    <h2>&Cross;</h2>
                </div>
                <div id="messageSentSuccesfully" class="messageContent">
                    <h3>You have successfully ordered your products, we will
contact you as soon as possible.</h3>
                    <a href="shop.html"><button>Go back to the shop</button></a>
                </div>
            </div>
        </div>
        <div id="navMeni">
            <div id="emptySpace"></div>
            <nav id="navigacija">
                <div id="zatvaranje">
                    <h2>&Cross;</h2>
                </div>
                <div class="listaMeni">
                    <ul id="meniLista">
                        <!-- generated with javascript -->
                    </ul>
                </div>
            </nav>
        </div>
```

```html
        <header id="header">
            <div id="logo">
                <a href="index.html"><h1>MusicStop</h1></a>
            </div>
            <div class="ikonice">
                <div id="hamburger">
                    <h2>&equiv;</h2>
                </div>
                <div id="cart">
                    <a href="cart.html"><i class="fa-solid fa-cart-
shopping"></i><p id="numberSold">0</p></a>
                </div>
            </div>
        </header>
        <main>
            <div class="cartShop">
                <div class="formaCartBlock">
                    <form action="" id="formaCart">
                        <h2 class="text-center p-20">Checkout Form</h2>
                        <div class="formaPolje">
                            <label for="fullName">Full Name</label>
                            <input type="text" name="fullName" id="fullName"/>
                            <div class="error"></div>
                        </div>
                        <div class="formaPolje">
                            <label for="email">Email</label>
                            <input type="email" name="email" id="email"/>
                            <div class="error"></div>
                        </div>
                        <div class="formaPolje">
                            <label for="adress">Adress</label>
                            <input type="text" name="adress" id="adress"/>
                            <div class="error"></div>
                        </div>
                        <div class="formaPoljeRadio">
                            <div class="radioDugme">
                                <div class="labelaRadio">
                                    <label for="person">Person</label>
                                </div>
                                <div class="inputRadio">
                                    <input type="radio" name="entity" id="person"
value="home"/>
                                </div>
                            </div>
                            <div class="radioDugme">
```

```html
                                <div class="labelaRadio">
                                    <label for="store">Legal entity</label>
                                </div>
                                <div class="inputRadio">
                                    <input type="radio" name="entity" id="legal"
value="legal"/>
                                </div>
                            </div>
                        </div>
                        <div class="error"></div>
                        <div class="formaPolje dugme">
                            <button type="submit" id="dugmeSubmit">Order</button>
                        </div>
                        <div class="formaPolje dugme">
                            <button type="reset" id="dugmeReset">Reset</button>
                        </div>
                        <div id="totalPrice"></div>
                    </form>
                </div>
                <div id="cartContent">

                </div>
            </div>
        </main>
        <footer>
            <nav>
                <ul id="footerNav">
                    <!-- generated with javascript -->
                </ul>
            </nav>
            <div class="copyright">
                <p>&copy;Copyright <a
href="https://jelkesudo.github.io/portfolio/" target="_blank">Filip Jelić</a>
2022 - Visoka ICT</p>
            </div>
        </footer>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
        <script type="text/javascript" src="//cdn.jsdelivr.net/npm/slick-
carousel@1.8.1/slick/slick.min.js"></script>
        <script type="text/javascript" src="assets/js/main.js"></script>
    </body>
</html>
```

3.1.4 contact.html

```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"/>
        <meta name="author" content="Filip Jelić"/>
        <meta name="keywords" content="black. black"/>
        <meta name="description" content="World wide web page of `black.`
company."/>
        <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
        <link rel="shortcut icon" href="assets/img/logo.ico"/>
        <link rel="stylesheet" type="text/css"
href="//cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.css"/>
        <script src="https://kit.fontawesome.com/80203d7dc5.js"
crossorigin="anonymous"></script>
        <title>MusicStop | Contact</title>
    </head>
    <body>
        <div id="messageSent" class="successModal">
            <div class="messageBox">
                <div id="zatvaranjeSuccess">
                    <h2>&Cross;</h2>
                </div>
                <div id="messageSentSuccesfully" class="messageContent">
                    <h3>You have successfully filled out the form, we will reach
you as soon as possible.</h3>
                    <a href="shop.html"><button>Go back to the shop</button></a>
                </div>
            </div>
        </div>
        <div id="navMeni">
            <div id="emptySpace"></div>
            <nav id="navigacija">
                <div id="zatvaranje">
                    <h2>&Cross;</h2>
                </div>
                <div class="listaMeni">
                    <ul id="meniLista">
                        <!-- generated with javascript -->
                    </ul>
                </div>
            </nav>
        </div>
```

```html
        <header id="header">
            <div id="logo">
                <a href="index.html"><h1>MusicStop</h1></a>
            </div>
            <div class="ikonice">
                <div id="hamburger">
                    <h2>&equiv;</h2>
                </div>
                <div id="cart">
                    <a href="cart.html"><i class="fa-solid fa-cart-
shopping"></i><p id="numberSold">0</p></a>
                </div>
            </div>
        </header>
        <main>
            <div class="contactShop">
                <div class="form">
                    <form action="" id="formaKontakt" class="border-none">
                        <div class="formaPolje">
                            <label for="fullName">Full Name</label>
                            <input type="text" name="fullNameMessage"
id="fullNameMessage"/>
                            <div class="errorContact"></div>
                        </div>
                        <div class="formaPolje">
                            <label for="email">Email</label>
                            <input type="text" name="emailMessage"
id="emailMessage"/>
                            <div class="errorContact"></div>
                        </div>
                        <div class="formaPolje">
                            <select name="chooseMessage" id="chooseMessage">
                                <option value="0">Choose a reason</option>
                                <option value="1">Share Your thougths</option>
                                <option value="2">Complaint</option>
                                <option value="3">Suggestion</option>
                            </select>
                            <div class="errorContact"></div>
                        </div>
                        <div class="formaPolje">
                            <label for="message">Message</label>
                            <textarea name="message" id="message" cols="30"
rows="10"  style="resize: none;"></textarea>
                            <div class="errorContact"></div>
                        </div>
```

```html
                    <div class="formaPolje dugme">
                        <button type="submit"
id="messageSubmit">Submit</button>
                    </div>
                    <div class="formaPolje dugme">
                        <button type="reset" id="messageReset">Reset</button>
                    </div>
                </form>
            </div>
            <div class="iframe">
                <iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2830.3335135524567!2d2
0.482502215535806!3d44.8147697790986!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!
1m2!1s0x475a7a95dfdba1fb%3A0x7dd3ed9b437a11d6!2z0JfQtNGA0LDQstC60LAg0KfQtdC70LDRg
NCwIDE2LCDQkdC10L7Qs9GA0LDQtA!5e0!3m2!1ssr!2srs!4v1646580457946!5m2!1ssr!2srs"
style="border:0;" allowfullscreen="" loading="lazy"></iframe>
            </div>
        </div>
    </main>
    <footer>
        <nav>
            <ul id="footerNav">
                <!-- generated with javascript -->
            </ul>
        </nav>
        <div class="copyright">
            <p>&copy;Copyright <a
href="https://jelkesudo.github.io/portfolio/" target="_blank">Filip Jelić</a>
2022 - Visoka ICT</p>
        </div>
    </footer>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
    <script type="text/javascript" src="assets/js/main.js"></script>
</body>
</html>
```

3.1.5 author.html

```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"/>
        <meta name="author" content="Filip Jelić"/>
        <meta name="keywords" content="black. black"/>
        <meta name="description" content="World wide web page of `black.`
company."/>
        <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
        <link rel="shortcut icon" href="assets/img/logo.ico"/>
        <link rel="stylesheet" type="text/css"
href="//cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.css"/>
        <script src="https://kit.fontawesome.com/80203d7dc5.js"
crossorigin="anonymous"></script>
        <title>MusicStop | Contact</title>
    </head>
    <body>
        <div id="navMeni">
            <div id="emptySpace"></div>
            <nav id="navigacija">
                <div id="zatvaranje">
                    <h2>&Cross;</h2>
                </div>
                <div class="listaMeni">
                    <ul id="meniLista">
                        <!-- generated with javascript -->
                    </ul>
                </div>
            </nav>
        </div>
        <header id="header">
            <div id="logo">
                <a href="index.html"><h1>MusicStop</h1></a>
            </div>
            <div class="ikonice">
                <div id="hamburger">
                    <h2>&equiv;</h2>
                </div>
                <div id="cart">
                    <a href="cart.html"><i class="fa-solid fa-cart-
shopping"></i><p id="numberSold">0</p></a>
                </div>
```

```html
                </div>
            </header>
            <main>
                <div class="contactShop centerFlex">
                    <div class="autorSlika">
                        <img src="assets/img/filipjelic.png" alt="author"/>
                    </div>
                    <div class="autorText">
                        <h2>My name is Filip Jelić</h2>
                        <p>I am 20 years old and i live in a little city near
Belgrade called Obrenovac, as of right now i am studying at Visoka ICT and on my
way to become a web programmer. Even when i was young i had a thing for personal
computers, and i chose that to be the way for living my best life. Now i am in my
second year of studyes and i have learned much things, which some you can check
out at my <a class="aPortfolio" href="https://jelkesudo.github.io/portfolio/"
target="_blank">portfolio</a> page.</p>
                    </div>
                </div>
            </main>
            <footer>
                <nav>
                    <ul id="footerNav">
                        <!-- generated with javascript -->
                    </ul>
                </nav>
                <div class="copyright">
                    <p>&copy;Copyright <a
href="https://jelkesudo.github.io/portfolio/" target="_blank">Filip Jelić</a>
2022 - Visoka ICT</p>
                </div>
            </footer>
            <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
            <script type="text/javascript" src="assets/js/main.js"></script>
    </body>
</html>
```

3.2 CSS(SASS)

```scss
//https://fonts.google.com/specimen/Josefin+Sans?vfonly=true
@import
url('https://fonts.googleapis.com/css2?family=Josefin+Sans&display=swap');
$crna: #121212;
*{
    margin: 0px;
    padding: 0px;
    box-sizing: border-box;
    scroll-behavior: smooth;
}
ul{
    list-style-type: none;
}
a{
    text-decoration: none;
    color: black;
}
@mixin fleks{
    display: flex;
    flex-wrap: wrap;
}
@mixin space-a{
    justify-content: space-around;
}
@mixin space-b{
    justify-content: space-between;
}
@mixin js-center{
    justify-content: center;
}
@mixin ai-center{
    align-items: center;
}
@mixin after1{
    ::after{
        content: "";
        display: block;
        margin: 5px 0px;
        width: 10%;
        height: 3px;
        background-color: $crna;
    }
}
@mixin after2{
```

```scss
    ::after{
        content: "";
        display: block;
        margin: 5px auto;
        width: 10%;
        height: 3px;
        background-color: $crna;
    }
}
@mixin after3{
    ::after{
        content: "";
        display: block;
        margin: 5px auto;
        width: 7%;
        height: 3px;
        background-color: white;
    }
}
@mixin fleksKolona{
    flex-direction: column;
}
body{
    background-image: url("../img/pOpacity.png");
    font-family: 'Josefin Sans', sans-serif;
    color: $crna;
    #navMeni{
        width:100%;
        height: 100vh;
        position: fixed;
        top: 0;
        left: 0;
        z-index: 9;
        display: none;
        @include space-a;
        background-color: rgba(0, 0, 0, 0.5);
        #emptySpace{
            position: absolute;
            top: 0;
            left: 0;
            width: 75%;
            height: 100vh;
        }
        #navigacija{
            position: absolute;
```

```scss
        top: 0;
        right: 0;
        @include fleks;
        @include js-center;
        @include ai-center;
        width: 25%;
        height: 100vh;
        z-index: 9;
        background-color: white;
        #zatvaranje{
            position: absolute;
            top: 2px;
            left: 10px;
            cursor: pointer;
            font-size: 20px;
        }
        .listaMeni{
            width: 20%;
            ul{
                li{
                    padding: 15px 0px;
                    a{
                        font-size: 20px;
                    }
                    :hover{
                        color: red;
                        transition: 0.5s;
                    }
                }
            }
        }
    }
}
header{
    z-index: 8;
    width: 100%;
    padding: 10px 0px;
    position: fixed;
    background-color: $crna;
    color: white;
    @include fleks;
    @include space-a;
    #logo{
        width: 5%;
        padding-top: 5px;
```

```scss
        a{
            h1{
                color: white;
            }
        }
    }
    .ikonice{
        width: 5%;
        @include fleks;
        @include js-center;
        #hamburger, #cart{
            width: 48%;
            cursor: pointer;
        }
        #hamburger{
            height: 0;
            h2{
                font-size: 30px;
            }
        }
        #cart{
            width: 10%;
            height: 10px;
            padding-top: 10px;
            a{
                color: white;
                color: white;
                position: relative;
            }
            #numberSold{
                display: none;
                width: 20px;
                height: 20px;
                text-align: center;
                position: absolute;
                bottom: 10px;
                left: 10px;
                background-color: red;
                border-radius: 50%;
                padding-top: 3px;
            }
        }
    }
}
#filterShop{
```

```scss
    position: fixed;
    display: none;
    flex-wrap: wrap;
    justify-content: flex-start;
    top: 0;
    left: 0;
    width: 100%;
    height: 100vh;
    background-color: rgba(0, 0, 0, 0.7);
    z-index: 9;
    .filterFlexFullSpace{
        width: 25%;
        height: 100vh;
        background-color: white;
        @include fleks;
        @include js-center;
        @include ai-center;
        position: relative;
        #zatvaranjeFilter{
            position: absolute;
            top: 2px;
            right: 10px;
            cursor: pointer;
            font-size: 20px;
        }
        .fliterFlex{
            width: 90%;
            .sectionFilter{
                width: 100%;
                @include fleks;
                @include fleksKolona;
                border-bottom: 1px solid $crna;
                padding: 10px 0px;
                .priceRangeCount{
                    width: 100%;
                    @include fleks;
                    @include space-b;
                }
                .sectionNaslov{
                    cursor: pointer;
                    @include fleks;
                    @include js-center;
                    .textNaslov{
                        width: 90%;
                        text-transform: capitalize;
```

```scss
            }
            .strelica{
                width: 10%;
            }
        }
        .checkboxes{
            display: flex;
            flex-wrap: wrap;
            @include fleksKolona;
            width: 100%;
            .checkboxPiece{
                width: 100%;
                input[type=checkbox]{
                    width: 15px;
                    height: 15px;
                    margin: 10px 0px;
                    margin-left: 50px;
                }
                label{
                    font-size: 1.2em;
                    margin-left: 10px;
                    text-transform: capitalize;
                }
            }
        }
    }
    }
    #filterFlexEmptySpace{
        width: 75%;
        height: 100vh;
    }
}
main{
    margin: 0px auto;
    #cover{
        width: 100%;
        height: 100vh;
        position: relative;
        @include fleks;
        @include js-center;
        @include ai-center;
        #coverPicture{
            width: 100%;
            .imageModel{
```

```scss
            width: 100%;
            height: 100%;
            img{
                width: 100%;
                height: 100vh;
            }
        }
    }
    .bannerBlack{
        position: absolute;
        z-index: 7;
        width: 100%;
        height: 100vh;
        background-color: rgba(0, 0, 0, 0.7);
        color: white;
        @include fleks;
        @include js-center;
        @include ai-center;
        .centerBlack{
            width: 30%;
            color: white;
            text-align: center;
            h1{
                padding-bottom: 50px;
            }
            a{
                color: white;
                .buttonShop{
                    width: 30%;
                    margin: 0px auto;
                    background-color: $crna;
                    padding: 10px 20px;
                    outline: none;
                    border: none;
                    cursor: pointer;
                }
                :hover{
                    background-color: rgb(233, 125, 23);
                    transition: 0.5s;
                }
            }
        }
    }
    .blackCollection{
```

```scss
    padding-top: 50px;
    width: 100%;
    @include fleks;
    @include js-center;
    .blackSlike,.blackTekst, .profileBlack{
        width: 30%;
    }
    .blackSlike{
        position: relative;
        .imageBlack{
            width: 100%;
            position: absolute;
            img{
                width: 50%;
                border: 1px solid $crna;
            }
        }
        .prva{
            top: 0;
            left: 0;
        }
        .druga{
            top: 50%;
            left: 25%;
        }
    }
    .blackTekst{
        padding: 100px 0px;
        .headingNaslov{
            width: 100%;
            h2{
                padding-bottom: 30px;
            }
        }
        p{
            line-height: 2.2;
        }
    }
    .profileBlack{
        img{
            width: 100%;
        }
    }
}
#bannerShop{
```

```scss
        width: 100%;
        height: 50vh;
        background-image: url("../img/model1.jpg");
        background-position: center;
        background-repeat: no-repeat;
        .naslovShop{
            width: 100%;
            height: 100%;
            background-color: rgba(0, 0, 0, 0.7);
            @include fleks;
            @include js-center;
            @include ai-center;
            .textNaslov{
                width: 30%;
                text-align: center;
                color: white;
                .shopNaslov{
                    width: 100%;
                    font-size: 1.5em;
                    padding: 20px 0px;
                }
            }
        }
    }
}
.containerShop{
    width: 100%;
    padding: 50px 0px;
    margin: 0px auto;
    @include fleks;
    @include js-center;
    #contentShop{
        width: 100%;
        @include fleks;
        @include fleksKolona;
        .sortShop{
            width: 90%;
            position: sticky;
            @include fleks;
            @include space-b;
            margin: 0px auto;
            .filterButtonDiv{
                width: 20%;
                #buttonFilter{
                    width: 50%;
                    padding: 10px 20px;
```

```scss
                background-color: rbga(0, 0, 0, 0);
                border: 1px solid black;
                text-align: center;
                cursor: pointer;
            }
            :hover{
                background-color: $crna;
                color: white;
                transition: 0.5s;
            }
        }
        .sort{
            width: 70%;
            @include fleks;
            justify-content: flex-end;
            select, input{
                width: 20%;
                margin: 0px 20px;
                border: none;
                background-color: rgba(0, 0, 0, 0);
                border-bottom: 1px solid $crna;
                padding: 5px 10px;
                outline: none;
            }
        }
    }
    #articlesShop{
        width: 90%;
        padding: 20px 0px;
        margin: 20px auto;
        border-top: 3px solid $crna;
        border-bottom: 3px solid $crna;
        @include fleks;
        @include js-center;
        text-align: center;
        .article{
            width: 30%;
            padding: 5px 0px;
            .slikaArticle{
                width: 60%;
                margin: 0px auto;
                position: relative;
                .collection{
                    width: 35px;
                    height: 35px;
```

```scss
            position: absolute;
            top: 10px;
            right: 10px;
            background-color: $crna;
            color: white;
            img{
                cursor: auto;
                width: 100%;
                border: 1px solid black;
            }
            img:hover{
                width: 100%;
                border: 1px solid black;
            }
        }
        img{
            width: 100%;
            cursor: pointer;
            border: 3px solid black;
        }
        img:hover{
            border: 1px solid black;
            transition: 0.5s;
        }
    }
    .nameArticle{
        padding: 10px 0px;
    }
    .price{
        @include fleks;
        @include js-center;
        padding-bottom: 10px;
        .newPrice, .oldPrice{
            .dinar{
                font-size: 12px;
            }
        }
        .newPrice{
            padding-right: 5px;
            text-align: right;
        }
    }
    .sizes{
        width: 100%;
        p{
```

```scss
                                           padding-bottom: 10px;
                                           font-size: 12px;
                                       }
                                   }
                               }
                           }
                       }
                   }
               }
.contactShop{
    width: 60%;
    margin: 0px auto;
    padding: 150px 0px;
    @include fleks;
    @include space-a;
    .form, .iframe{
        width: 48%;
    }
    .form{
        @include fleks;
        @include js-center;
        @include ai-center;
    }
    .iframe{
        iframe{
            width: 100%;
            height: 100%;
        }
    }
    .autorSlika{
        width: 30%;
    }
    .autorText{
        width: 70%;
        padding: 50px;
        padding-top: 100px;
        h2{
            padding-bottom: 30px;
        }
        p{
            line-height: 1.7em;
        }
    }
}
.cartShop{
```

```scss
        width: 90%;
        margin: 0px auto;
        padding: 150px 0px;
        @include fleks;
        @include space-a;
        #cartContent{
            width: 60%;
            .cartItem{
                width: 100%;
                border: 1px solid $crna;
                @include fleks;
                @include js-center;
                .cartItemSlika{
                    width: 40%;
                    img{
                        width: 100%;
                    }
                }
                .cartItemInfo{
                    width: 60%;
                    @include fleks;
                    align-items: center;
                    .cartItemNaslov, .totalForItem{
                        width: 100%;
                        padding: 10px 20px;
                        text-align: center;
                    }
                    .cartItemQty{
                        width: 100%;
                        @include fleks;
                        text-align: center;
                        .qtyCheck{
                            button{
                                background-color: white;
                                border: 1px solid black;
                                cursor: pointer;
                                padding: 10px 20px;
                            }
                            :hover{
                                background-color: $crna;
                                color: white;
                                transition: 0.5s;
                            }
                            input[type=number] {
                                padding: 10px 20px;
```

```scss
                }
                width: 48%;
                @include fleks;
                @include js-center;
            }
          }
        }
      }
    }
    .formaCartBlock{
        width: 30%;
        #totalPrice{
            text-align: center;
            padding: 10px 0px;
            width: 100%;
        }
    }
  }
}
footer{
    @include fleks;
    @include fleksKolona;
    background-color: $crna;
    color: white;
    text-align: center;
    nav, .copyright{
        width: 100%;
    }
    nav{
        padding-top: 20px;
        ul{
            li{
                padding: 15px 0px;
                a{
                    color: white;
                }
            }
        }
    }
    .copyright{
        padding: 5px 0px;
        p{
            a{
                color: rgb(233, 125, 23);
            }
        }
```

```scss
            }
        }
    }
}
#miniModal{
    position: fixed;
    top: 50px;
    right: 50px;
    z-index: 9;
    width: 10%;
    text-align: center;
    padding: 10px 20px;
    background-color: white;
    display: none;
    border: 3px solid $crna;
}
.aPortfolio{
    color: rgb(233, 125, 23);
}
.p-20{
    padding-top: 20px;
}
.p-50{
    padding-top: 50px;
}
.centerFlex{
    @include js-center;
}
.whiteColor{
    color: white;
}
.prviNaslov{
    @include after1;
}
.drugiNaslov{
    @include after2;
}
.treciNaslov{
    @include after3;
}
.pt-50{
    padding-top: 50px;
}
.mx-40{
    margin: 0px 40px;
}
```

```scss
.text-center{
    text-align: center;
}
::-webkit-scrollbar {
    width: 10px;
}
::-webkit-scrollbar-track {
    background: rgba(0,0,0,0.5);
}
::-webkit-scrollbar-thumb {
    background: #1f1f1f;
}
::-webkit-scrollbar-thumb:hover {
    background: $crna;
}
.error, .errorContact{
    width: 100%;
    color: red;
    text-align: center;
}
#adressInput, #selectStore{
    display: none;
}
.border-none{
    border: none;
}
.orange{
    color:rgb(233, 125, 23);
}
form{
    border: 1px solid $crna;
    width: 100%;
    .formaPolje{
        width: 70%;
        margin: 10px auto;
        @include fleks;
        @include fleksKolona;
        input:hover, input:focus{
            transition: 0.5s;
            background-color: $crna;
            color: white;
        }
        input, select, textarea{
            width: 100%;
            margin-bottom: 5px;
```

```scss
            padding: 7px 15px;
        }
        label{
            width: 100%;
            padding: 10px 0px;
        }
    }
    .dugme{
        button{
            width: 60%;
            margin: 10px auto;
            background-color: rgba(0, 0, 0, 0);
            outline: none;
            padding: 5px 10px;
            cursor: pointer;
        }
        :hover{
            transition: 0.5s;
            background-color: $crna;
            color: white;
        }
    }
    .formaPoljeRadio{
        width: 70%;
        margin: 15px auto;
        @include fleks;
        @include js-center;
        .radioDugme{
            width: 48%;
            @include fleks;
            justify-content: center;
            .labelaRadio{
                text-align: right;
                margin-right: 10px;
            }
        }
    }
}
#modalItem{
    width: 100%;
    height: 100vh;
    background-color: rgba(0, 0, 0, 0.7);
    position: fixed;
    z-index: 9;
    top: 0;
```

```scss
    left: 0;
display: none;
flex-wrap: wrap;
@include js-center;
@include ai-center;
.modalContent{
    width: 50%;
    background-color: white;
    position: relative;
    #zatvaranjeModal{
        position: absolute;
        top: 2px;
        right: 10px;
        cursor: pointer;
        font-size: 20px;
    }
    #ispisModal{
        width: 100%;
        height: 100%;
        @include fleks;
        @include js-center;
        .slikaModal{
            width: 40%;
            img{
                width: 100%;
            }
        }
        .modalText{
            width: 50%;
            margin-left: 20px;
            h2, p{
                padding-top: 30px;
            }
            .addToCartModal{
                margin: 40px 0px;
                button, input{
                    background-color: rgba(0,0,0,0);
                    padding: 7px 15px;
                }
                input[type=number]{
                    width: 20%;
                }
            }
            .cene{
                width: 50%;
```

```scss
                    @include fleks;
                    justify-content: flex-start;
                    .cena{
                        width: 48%;
                        font-size: 20px;
                    }
                }
            }
        }
    }
}
.successModal{
    width: 100%;
    height: 100vh;
    position: fixed;
    top: 0;
    left: 0;
    background-color: rgba(0, 0, 0, 0.7);
    display: none;
    flex-wrap: wrap;
    @include js-center;
    @include ai-center;
    .messageBox{
        position: relative;
        width: 30%;
        background-color: white;
        #zatvaranjeSuccess{
            position: absolute;
            cursor: pointer;
            top: 0;
            right: 10px;
        }
        .messageContent{
            width: 80%;
            margin: 0px auto;
            text-align: center;
            h3{
                padding: 20px 0px;
            }
            a{
                button{
                    background-color: rgba(0, 0, 0, 0);
                    border: 1px solid black;
                    padding: 5px 10px;
                    margin-bottom: 20px;
```

```scss
                cursor: pointer;
            }
            button:hover{
                transition: 0.5s;
                background-color: $crna;
                color: white;
            }
        }
    }
}
@media screen and (max-width: 1450px) {
    #miniModal{
        width: 20%;
    }
    body main .blackCollection .blackTekst {
        padding: 0px;
    }
    #modalItem .modalContent {
        width: 70%;
    }
    body .contactShop .autorText, body .contactShop .autorSlika{
        width: 100%;
    }
    body .contactShop .autorText h2{
        text-align: center;
    }
    body .contactShop {
        padding-top: 150px;
        padding-bottom: 100px;
    }
    body .contactShop .autorSlika {
        text-align: center;
    }
    body .contactShop {
        width: 80%;
    }
    body .contactShop .autorText {
        padding: 50px;
        padding-bottom: 0px;
    }
}
@media screen and (max-width: 1030px) {
    body .cartShop #cartContent {
        width: 100%;
```

```css
    }
    body main #cover .bannerBlack .centerBlack {
        width: 50%;
    }
    body main #cover .bannerBlack .centerBlack a .buttonShop {
        width: 40%;
    }
    body main .blackCollection .blackTekst p {
        line-height: 1.3;
    }
    body #filterShop .filterFlexFullSpace {
        width: 35%;
    }
    body #filterShop #filterFlexEmptySpace {
        width: 65%;
        height: 100vh;
    }
    body main .containerShop #contentShop #articlesShop .article .nameArticle h3{
        font-size: 18px;
    }
    #modalItem .modalContent #ispisModal {
        flex-direction: column;
    }
    #modalItem .modalContent #ispisModal .slikaModal, #modalItem .modalContent
#ispisModal .modalText {
        width: 100%;
        text-align: center;
    }
    #modalItem .modalContent #ispisModal .slikaModal img{
        width: 40%;
    }
    #modalItem .modalContent #ispisModal .modalText {
        margin-left: 0px;
    }
    #modalItem .modalContent #ispisModal .modalText .cene,  #modalItem
.modalContent #ispisModal .modalText .cene .cena{
        width: 100%;
    }
    body main .containerShop #contentShop .sortShop .sort select, body main
.containerShop #contentShop .sortShop .sort input {
        width: 30%;
    }
    body main .containerShop #contentShop .sortShop .filterButtonDiv
#buttonFilter {
        width: 100%;
```

```css
        }
    body #navMeni #navigacija {
        width: 35%;
    }
    body main .containerShop #contentShop #articlesShop {
        width: 100%;
    }
    body .contactShop {
        width: 100%;
    }
    body .cartShop .formaCartBlock {
        width: 100%;
    }
}
@media screen and (max-width: 770px) {
    body .cartShop #cartContent .cartItem .cartItemInfo .cartItemQty .qtyCheck
button {
        padding: 5px 10px;
    }
    #miniModal{
        width: 30%;
    }
    body header #logo h1{
        font-size: 20px;
    }
    body header .ikonice #hamburger h2 {
        font-size: 25px;
    }
    body header .ikonice #cart {
        padding-top: 7px;
    }
    body header .ikonice #cart a i{
        font-size: 15px;
    }
    body main #cover .bannerBlack .centerBlack {
        width: 70%;
    }
    body .contactShop .autorSlika img{
        width: 100%;
    }
    body header .ikonice {
        width: 10%;
    }
    body main .blackCollection .blackSlike {
        display: none;
```

```css
    }
    body main .blackCollection .blackTekst {
        width: 80%;
    }
    .prviNaslov::after{
        height: 0px;
    }
    body main .blackCollection .profileBlack, body main .blackCollection
.blackTekst {
        width: 50%;
    }
    body main .blackCollection .blackTekst {
        padding: 20px 0px;
    }
    body main #bannerShop .naslovShop .textNaslov {
        width: 50%;
    }
    body main .containerShop #contentShop #articlesShop .article {
        width: 48%;
    }
    body main .containerShop #contentShop #articlesShop {
        border-bottom: none;
    }
    body main .containerShop {
        padding-bottom: 0px;
    }
    body #filterShop .filterFlexFullSpace, body #filterShop
#filterFlexEmptySpace, body #navMeni #emptySpace, body #navMeni #navigacija {
        width: 50%;
    }
    body .contactShop .form, body .contactShop .iframe {
        width: 100%;
    }
}
@media screen and (max-width: 430px) {
    .successModal .messageBox {
        width: 80%;
    }
    body main .containerShop #contentShop .sortShop .sort select, body main
.containerShop #contentShop .sortShop .sort input {
        width: 33%;
    }
    body .cartShop #cartContent h3{
        font-size: 16px;
    }
```

```css
    body .cartShop #cartContent .cartItem .cartItemSlika, body .cartShop
#cartContent .cartItem .cartItemInfo{
        width: 100%;
    }
    body .cartShop #cartContent .cartItem .cartItemInfo .cartItemQty .qtyCheck {
        width: 100%;
        padding-bottom: 10px;
    }
    #miniModal{
        width: 50%;
    }
    body main #cover, body main #cover .bannerBlack, body main #cover
#coverPicture .imageModel img {
        height: 60vh;
    }
    body main #cover .bannerBlack .centerBlack {
        width: 100%;
    }
    body main .blackCollection .profileBlack, body main .blackCollection
.blackTekst {
        width: 90%;
    }
    body main .containerShop #contentShop #articlesShop .article {
        width: 100%;
    }
    #modalItem .modalContent #ispisModal {
        .slikaModal{
            img{
                width: 100%;
            }
        }
    }
    body #filterShop, body #navMeni #navigacija .filterFlexFullSpace{
        width: 100%;

    }
    body #filterShop #filterFlexEmptySpace, body #navMeni #emptySpace{
        display: none;
    }
    body header .ikonice {
        width: 15%;
    }
    body #navMeni #navigacija, body #filterShop .filterFlexFullSpace{
        width: 75%;
    }
```

```css
    body #navMeni #emptySpace, body #filterShop #filterFlexEmptySpace{
        width: 25%;
    }
}


input::-webkit-outer-spin-button,
input::-webkit-inner-spin-button {
  -webkit-appearance: none;
  margin: 0;
}
input[type=number] {
  -moz-appearance: textfield;
}
```

3.3 Javascript

3.3.1main.js

```javascript
console.log("OK");

let collectionArray = [];
let currentArray = [];
let brandArray = [];
let typesArray = [];
let errorArray = [];

ajaxCallBack("products", setArticles);
let productsArray = getItemFromLocalStorage("articles");

let articlesInCart;

window.onload = () => {
    let url = window.location.pathname;

    ajaxCallBack("meni", ispisMeni);
    korpaBroj();
    clickOpenClose("hamburger", "navMeni", "flex");
    clickOpenClose("zatvaranje", "navMeni", "none");
    clickOpenClose("emptySpace", "navMeni", "none");

    if(url == "/" || url == "/index.html"){
        ispisCarousel();
        $("#coverPicture").slick({
            infinite: true,
            autoplay: true,
            speed: 500,
            fade: true,
            cssEase: 'linear',
            arrows: false,
            draggable: false
        });
    }
    if(url == "/shop.html"){
        ajaxCallBack("current", storeCurrent);
        $("#sortPrice").change(filterChange);
        $("#sortShowPerPage").change(filterChange);
        $("#searchProducts").keyup(filterChange);
        $("#rasponCene").change(filterChange);
        $(".brands").change(filterChange);
        clickOpenClose("buttonFilter", "filterShop", "flex");
        clickOpenClose("filterFlexEmptySpace", "filterShop", "none");
```

```
        clickOpenClose("zatvaranjeFilter", "filterShop", "none");
        clickOpenClose("zatvaranjeModal", "modalItem", "none");
    }
    if(url == "/contact.html"){

        clickOpenClose("zatvaranjeSuccess", "messageSent", "none");
        let imePrezime = idUnos("fullNameMessage");
        let email = idUnos("emailMessage");
        let selectReason = idUnos("chooseMessage");
        let messageBox = idUnos("message");

        let errorBlocks = classUnos("errorContact");

        let regexFullName = /^[A-ZČĆŠĐŽ][a-zčćžđš]{2,20}\s[A-ZČĆŠĐŽ][a-
zčćžđš]{2,20}$/;
        let regexEmail = /^[a-zA-Z0-9._%-]+@[a-zA-Z0-9.-]+.[a-zA-Z]{2,4}$/;

        $("#formaKontakt").submit((e) => {
            e.preventDefault();
            errorArray = [];
            checkRegex(regexFullName, imePrezime, 0, "Invalid name, it must
contain first and last name (example: Pera Perić).", errorBlocks);
            checkRegex(regexEmail, email, 1, "Invalid email, example:
name@domain.com.", errorBlocks);
            checkBoxCheck(selectReason, 2, "Please choose a reason.",
errorBlocks);
            messageProvera(messageBox, 3, "Please fill in the message.",
errorBlocks);

            if(errorArray.length == 0){
                localStorage.removeItem("cart");
                korpaBroj();
                $("#messageSent").show("fast").css({
                    display: "flex"
                });
                $("#zatvaranjeSuccess").click(() =>{
                    idUnos("formaKontakt").submit();
                });
            }
        });

        $("#messageReset").click(() => {
            for(let e of errorBlocks){
                e.innerHTML = "";
            }
```

```javascript
        });
        $(imePrezime).change(() => {
            checkRegex(regexFullName, imePrezime, 0, "Invalid name, it must
contain first and last name (example: Pera Perić).", errorBlocks);
        });
        $(email).change(() => {
            checkRegex(regexEmail, email, 1, "Invalid email, example:
name@domain.com.", errorBlocks);
        });
        $(selectReason).change(() => {
            checkBoxCheck(selectReason, 2, "Please choose a reason.",
errorBlocks);
        });
    }
    if(url == "/cart.html"){
        ispisCart();

        let imePrezime = idUnos("fullName");
        let email = idUnos("email");
        let adresa = idUnos("adress");
        let entity = document.getElementsByName("entity");

        let errorBlocks = classUnos("error");

        let regexFullName = /^[A-ZČĆŠĐŽ][a-zčćžđš]{2,20}\s[A-ZČĆŠĐŽ][a-
zčćžđš]{2,20}$/;
        let regexEmail = /^[a-zA-Z0-9._%-]+@[a-zA-Z0-9.-]+.[a-zA-Z]{2,4}$/;
        let regexAdress = /^[A-Za-z0-9\s\/-]{5,},(\s)[0-9]{1,}$/;

        $("#formaCart").submit((e) => {
            e.preventDefault();
            errorArray = [];
            checkRegex(regexFullName, imePrezime, 0, "Invalid name, it must
contain first and last name (example: Pera Perić).", errorBlocks);
            checkRegex(regexEmail, email, 1, "Invalid email, example:
name@domain.com.", errorBlocks);
            checkRegex(regexAdress, adresa, 2, "Adress must contain a name of the
street and a house number. example: Steet, 6 (after the comma there must be a
space)", errorBlocks);
            checkRadio(entity, 3, "Please select an option.", errorBlocks);
            if(errorArray.length == 0){
                localStorage.removeItem("cart");
                korpaBroj();
                $("#orderSuccess").show("fast").css({
                    display: "flex"
```

```javascript
                });
                $("#zatvaranjeSuccess").click(() => {
                    idUnos("formaCart").submit();
                });
            }
        });

        $("#dugmeReset").click(() => {
            for(let e of errorBlocks){
                e.innerHTML = "";
            }
        });
        $(imePrezime).change(() => {
            checkRegex(regexFullName, imePrezime, 0, "Invalid name, it must
contain first and last name (example: Pera Perić).", errorBlocks);
        });
        $(email).change(() => {
            checkRegex(regexEmail, email, 1, "Invalid email, example:
name@domain.com.", errorBlocks);
        });
        $(adresa).change(() => {
            checkRegex(regexAdress, adresa, 2, "Adress must contain a name of the
street and a house number. example: Steet, 6 (after the comma there must be a
space)", errorBlocks);
        });
        $(entity).change(() => {
            checkRadio(entity, 3, "Please select an option.", errorBlocks);
        });
    }
}
// funkcije

function storeCurrent(data){
    filterBar("general");
    filterBarIspis(data, "general");
    currentArray = data;
    ajaxCallBack("types", storeTypes);
}
function storeTypes(data){
    filterBar("types");
    filterBarIspis(data, "types");
    typesArray = data;
    ajaxCallBack("collections", storeCollections);
}
function storeCollections(data){
```

```javascript
    filterBar("collections");
    filterBarIspis(data, "collections");
    collectionArray = data;
    ajaxCallBack("brands", storeBrands);
}
function storeBrands(data){
    filterBar("brands");
    filterBarIspis(data, "brands");
    brandArray = data;
    $(".general").change(filterChange);
    $(".types").change(filterChange);
    $(".brands").change(filterChange);
    $(".collections").change(filterChange);
    filterChange();
}
function idUnos(id){
    return document.getElementById(id);
}
function classUnos(klasa){
    return document.getElementsByClassName(klasa);
}
function ajaxCallBack(f, e) {
    $.ajax({
        url: `assets/data/${f}.json`,
        method: "get",
        dataType: "json",
        success: function(result){
            e(result);
        },
        error: function(xhr){
            console.log(xhr);
        }
    });
}
function ispisMeni(data){
    let html = "";
    for(let s of data){
        html += `<li><a href="${s.href}">${s.name}</a></li>`;
    }
    $("#meniLista").html(html);
    html += `<li><a href="#">Documentation</a></li>`;
    $("#footerNav").html(html);
}
function ispisCarousel(){
    let html = "";
```

```javascript
    for(let i = 1; i <= 3; i++){
        html += `<div class="imageModel">
                    <img src="assets/img/model${i}.jpg" alt="model${i}"/>
                </div>`;
    }
    $("#coverPicture").html(html);
}
function clickOpenClose(c, e, p){
    idUnos(c).addEventListener("click", () => {
        idUnos(e).style.display = p;
    });
}
//ispis artikla

function ispisArticle(data){
    let html = "";
    data = sortiraj(data);
    data = filterSearch(data);
    data = rasponCene(data);
    data = filterCheck(data, "brands");
    data = filterCheck(data, "collections");
    data = filterCheck(data, "types");
    data = filterCheck(data, "general");
    if(data.length == 0){
        html = `<p>No mathces found</p>`;
    }
    else{
        for(let proizvod of data){
            html += `<div class="article">
                        <div class="slikaArticle">
                            ${proveraKolekcija(proizvod.collection)}
                            <img id="${proizvod.img.alt}"
src="assets/img/products/${proizvod.img.src}" alt="${proizvod.img.alt}"/>
                        </div>
                        <div class="nameArticle">
                            <h3>${proizvod.name}</h3>
                        </div>
                        <div class="price">
                            <div class="newPrice">
                                ${proizvod.price.new} <span
class="dinar">RSD</span>
                            </div>
                            ${staraCena(proizvod.price.old)}
                        </div>
                    </div>`;
```

```
            }
        }
        $("#articlesShop").html(html);
        ispisModal(data);
}
function ispisCart(){
    let html = "";
    let ukupnaCena = 0;
    if(articlesInCart != undefined && articlesInCart && articlesInCart.length !=
0){
        html = "";
        console.log(articlesInCart);
        for(let c of articlesInCart){
            for(let p of productsArray){
                if(c.id == p.id){
                    html += `<div class="cartItem">
                    <div class="cartItemSlika">
                        <img src="assets/img/products/${p.img.src}"
alt="${p.img.alt}">
                    </div>
                    <div class="cartItemInfo">
                        <div class="cartItemNaslov">
                            <h2>${p.name}</h2>
                        </div>
                        <div class="totalForItem">
                            <p>${p.price.new} RSD x ${c.quantity} =
${parseFloat(p.price.new) * 1000 * parseFloat(c.quantity)} RSD</p>
                        </div>
                        <div class="cartItemQty">
                            <div class="qtyCheck">
                                <button data-id="${c.id}"
class="decrementQty">Remove One</button><button data-id="${c.id}"
class="incrementQty">Add One</button>
                            </div>
                            <div class="qtyCheck">
                                <button data-id="${c.id}"
class="removeArticleArray">Remove All</button>
                            </div>
                        </div>
                    </div>
                    </div>`;
                    ukupnaCena += parseFloat(p.price.new) * 1000 *
parseFloat(c.quantity);
                }
            }
```

```
            }
        }
        else{
            html = `<h3 class="text-center p-50">The cart is empty. You can shop by
clicking <a class="orange" href="shop.html">here</a></h3>`;
        }
        idUnos("cartContent").innerHTML = html;
        idUnos("totalPrice").innerHTML = `<h3>Total price: ${ukupnaCena} RSD</h3>`;
        $('.removeArticleArray').click(ukloniIzKorpeCelo);
        $('.incrementQty').click(increQty);
        $('.decrementQty').click(decreQty);
}
function increQty(){
    let decide = $(this).data("id");
    articlesInCart = getItemFromLocalStorage("cart");
    for(let a of articlesInCart){
        if(a.id == decide){
            a.quantity++;
            break;
        }
    }
    setItemToLocalStorage("cart", articlesInCart);
    ispisCart();
}
function decreQty(){
    let decide = $(this).data("id");
    let newArray = [];
    articlesInCart = getItemFromLocalStorage("cart");
    for(let a of articlesInCart){
        if(a.id == decide){
            if(a.quantity > 1){
                a.quantity--;
            }
            else{
                continue
            }
        }
        newArray.push(a);
    }
    articlesInCart = newArray;
    setItemToLocalStorage("cart", articlesInCart);
    ispisCart();
}
function ukloniIzKorpeCelo(){
    let removeId = $(this).data("id");
```

```javascript
        let newArray = [];
    for(let a of articlesInCart){
        if(a.id == removeId){
            continue;
        }
        newArray.push(a);
    }
    setItemToLocalStorage("cart", newArray);
    korpaBroj();
    ispisCart();
}
//ispis dodatnih stvari za artikal

function ispisModal(data){
    for(let proizvod of data){
        $(`#${proizvod.img.alt}`).click(() => {
            let html = `<div class="slikaModal">
                    <img src="assets/img/products/${proizvod.img.src}"
alt="${proizvod.img.alt}"/>
                </div>
                <div class="modalText">
                    <h2 class="drugiNaslov">${proizvod.name}</h2>
                    <p>${proizvod.text}</p>
                    <div class="cene">
                        <div class="cena">
                            <p>${proizvod.price.new} RSD</p>
                        </div>
                        <div class="cena">
                            <p>${staraCena(proizvod.price.old)}</p>
                        </div>
                    </div>
                    <div class="addToCartModal">
                        <button data-id="${proizvod.id}" class="dugmeZaKart">Add
To Cart</button>
                    </div>`;
            $(`#ispisModal`).html(html);
            $(`#modalItem`).css({
                display: "flex"
            });
            $(`.dugmeZaKart`).click(addToCart);
        });
    }
}
function addToCart(){
    let currentId= $(this).data("id");
```

```javascript
    if(articlesInCart){
        if(dodatoVec()){
            $("#miniModal").show("fast");
            sakrijModal();
        }
        else{
            dodajNovi();
            korpaBroj();
        }
    }
    else{
        dodajPrvi();
        korpaBroj();
    }
    function dodajPrvi(){
        let productArray=[];
        productArray[0]={
            id:currentId,
            quantity: 1
        }
        setItemToLocalStorage('cart',productArray);
    }
    function dodatoVec(){
        return articlesInCart.filter(p=>p.id==currentId).length;
    }
    function dodajNovi(){
        let productsFromStorage = getItemFromLocalStorage("cart");
        productsFromStorage.push({
            id:currentId,
            quantity: 1
        });
        setItemToLocalStorage("cart", productsFromStorage);
    }
    function sakrijModal(){
        setTimeout(() => {
            $("#miniModal").hide("fast");
        }, 1000);
    }
}
function korpaBroj(){
    articlesInCart = getItemFromLocalStorage('cart');
    if(articlesInCart){
        if(articlesInCart.length != 0){
            $("#numberSold").html(articlesInCart.length).css({
```

```javascript
                display: "block"
            });
        }
        else{
            $("#numberSold").css({
                display: "none"
            });
        }
    }
    else{
        $("#numberSold").css({
            display: "none"
        });
    }
}
function staraCena(p){
    let html = "";
    if(p){
        html = `<div class="oldPrice">
                    <sup><s>${p} <span class="dinar">RSD</span></s></sup>
                </div>`;
    }
    return html;
}
function proveraKolekcija(id){
    let html = "";
    if(id != null){
        for(let provera of collectionArray){
            if(provera.id == id){
                html = `<div class="collection">
                        <img src="assets/img/collections/${provera.name}.png"
alt="${provera.name}"/>
                        </div>`;
            }
        }
    }
    return html;
}
function ispisVelicina(sizes){
    let html = "";
    for(let i = 0; i < sizes.length; i++){
        for(let j = 0; j < sizesArray.length; j++){
            if(sizes[i] == sizesArray[j].id && i == sizes.length - 1){
                html += `${sizesArray[j].name}`;
            }
```

```javascript
                else if(sizes[i] == sizesArray[j].id && i != sizes.length - 1){
                    html += `${sizesArray[j].name}, `;
                }
            }
        }
        return html;
}
function filterBar(id){
    let html = `<div class="sectionFilter">
                    <div class="sectionNaslov">
                        <div class="textNaslov">
                            <h3>${id}</h3>
                        </div>
                    </div>
                    <div id="${id}" class="checkboxes"></div>
                </div>`;
    idUnos(`filterShopCategories`).innerHTML += html;
}
function filterBarIspis(niz, id){
    let html = "";
    for(let p of niz){
        html += `<div class="checkboxPiece">
                    <input type="checkbox" class="${id}" name="${p.name}"
id="${p.id}" value="${p.id}"/><label for="${p.name}">${p.name}</label>
                </div>`;
    }
    idUnos(`${id}`).innerHTML = html;
}
//sortiranje i filtriranje

function sortiraj(data){
    let p = $("#sortPrice").val();
    switch(p){
        case "A-Z": data.sort((a, b) =>{
            if(a.name.toLowerCase() > b.name.toLowerCase()){
                return 1;
            }
            else if(a.name.toLowerCase() < b.name.toLowerCase()){
                return -1;
            }
            return 0;
        }); break;
        case "Z-A": data.sort((a, b) =>{
            if(a.name.toLowerCase() > b.name.toLowerCase()){
                return -1;
```

```
            }
            else if(a.name.toLowerCase() < b.name.toLowerCase()){
                return 1;
            }
            return 0;
        }); break;
        case "asc": data.sort((a, b) =>{
            if(parseFloat(a.price.new) > parseFloat(b.price.new)){
                return 1;
            }
            else if(parseFloat(a.price.new) < parseFloat(b.price.new)){
                return -1;
            }
            return 0;
        }); break;
        case "desc": data.sort((a, b) =>{
            if(parseFloat(a.price.new) > parseFloat(b.price.new)){
                return -1;
            }
            else if(parseFloat(a.price.new) < parseFloat(b.price.new)){
                return 1;
            }
            return 0;
        }); break;
        default: return data;
    }
    return data;
}
function filterSearch(data) {
    let u = $("#searchProducts").val();
    return data.filter((e) => {
        if(e.name.toLowerCase().indexOf(u.trim().toLowerCase()) != -1) {
            return e;
        }
    });
}
function rasponCene(data){
    let c = $("#rasponCene").val();
    $("#priceValueRange").html(c);
    data = data.filter((e) => {
        if (parseFloat(e.price.new) <= (parseFloat(c) / 1000)) {
            return e;
        }
    });
    return data;
```

```javascript
}
function filterChange(){
    ajaxCallBack("products", ispisArticle);
}
function setItemToLocalStorage(name, data){
    localStorage.setItem(name, JSON.stringify(data));
}
function getItemFromLocalStorage(name){
    return JSON.parse(localStorage.getItem(name));
}
function setArticles(data){
    localStorage.setItem("articles", JSON.stringify(data));
}
function filterCheck(data, klasa){
    let selected = [];
    $(`.${klasa}:checked`).each(function(){
        selected.push(parseInt($(this).val()));
    });
    console.log();
    if(selected.length != 0){
        switch(klasa){
            case "brands":
            return data.filter(x => selected.includes(x.brand));
            case "collections":
            return data.filter(x => selected.includes(x.collection));
            case "types":
            return data.filter(x => selected.includes(x.type));
            case "general":
            return data.filter(x => selected.includes(x.current));
        }
    }
    return data;
}
//provera forme

function checkRegex(regex, id, i, mess, errorBlocks){
    if (id.value == "" || !regex.test(id.value)) {
        errorArray.push(i);
        errorBlocks[i].innerHTML = mess;
    }
    else {
        errorBlocks[i].innerHTML = "";
    }
};
function checkRadio(id, i, mess, errorBlocks){
```

```javascript
    let vrednostRadio;
    for(let i of id){
        if(i.checked){
            vrednostRadio = i.value;
        }
    }
    if(vrednostRadio){
        errorBlocks[i].innerHTML = "";
    }
    else{
        errorArray.push(i);
        errorBlocks[i].innerHTML = mess;
    }
};
function checkBoxCheck(id, i, mess, errorBlocks){
    if(id.value != 0){
        errorBlocks[i].innerHTML = "";
    }
    else{
        errorArray.push(i);
        errorBlocks[i].innerHTML = mess;
    }
};
function messageProvera(id, i, mess, errorBlocks){
    if(id.value != ""){
        errorBlocks[i].innerHTML = "";
    }
    else{
        errorArray.push(i);
        errorBlocks[i].innerHTML = mess;
    }
}
```

3.4 JSON

3.4.1 products.json

```json
[
    {
        "id": 1,
        "name": "Fender FA-125 Dreadnought",
        "img":{
            "src": "gitara1.png",
            "alt": "gitara1"
        },
        "price":{
            "old": null,
            "new": "17.000"
        },

        "text": "The FA-125 is a visually stunning guitar with a budget-friendly
price. Quality laminate construction with a modern Fender 3+3 headstock and
Viking bridge create an easy-playing instrument that sounds great. Beginners and
developing players will appreciate this guitar, which features a nato neck that
gives the guitar lively tone and a smooth playing feel.",
        "type": 1,
        "brand": 1,
        "current": 1,
        "collection": 2
    },
    {
        "id": 2,
        "name": "Yamaha FG820 Sunset Blue",
        "img":{
            "src": "gitara2.png",
            "alt": "gitara2"
        },
        "price":{
            "old": "32.000",
            "new": "25.000"
        },
        "text": "In addition to warmer and stronger sound thanks to the mahogany
back and sides, the body binding and fingerboard binding are cream plastic, for
an upgraded look. A wealth of color options are available.",
        "type": 1,
        "brand": 4,
        "current": 1,
        "collection": 1
    },
    {
```

```json
        "id": 3,
        "name": "Jackson JS Series Dinky™ RED",
        "img":{
            "src": "gitara3.png",
            "alt": "gitara3"
        },
        "price":{
            "old": null,
            "new": "43.000"
        },
        "text": "Swift, deadly and affordable, Jackson JS Series guitars take an
epic leap forward, making it easier than ever to get classic Jackson tone, looks
and playability without breaking the bank. Upgraded features such as arched tops,
new high-output ceramic-magnet pickups, graphite-reinforced maple necks, and
black hardware deliver more for less.",
        "type": 1,
        "brand": 6,
        "current": 2,
        "collection": null
    },
    {
        "id": 4,
        "name": "Ibanez AC240-OPN",
        "img":{
            "src": "gitara4.png",
            "alt": "gitara4"
        },
        "price":{
            "old": "52.000",
            "new": "40.000"
        },
        "text": "The Artwood series of Ibanez is the best known of all Ibanez
acoustic guitar series. These acoustic guitars with cutaway body combine great
design, beauty and a sophisticated sound. Altogether, this series offers seven
different models.",
        "type": 1,
        "brand": 5,
        "current": 1,
        "collection": 1
    },
    {
        "id": 5,
        "name": "Squier By Fender Bullet Stratocaster",
        "img":{
            "src": "gitara5.png",
```

```
            "alt": "gitara5"
        },
        "price":{
            "old": null,
            "new": "21.000"
        },
        "text": "Our Bullet Strat with tremolo is a simple, affordable and
practical guitar designed for beginners and students. The classic style is
complemented by the addition of a Humbuc pickup in the HSS configuration. Other
features include a five-pole switch, synchronized tremolo, maple neck with laurel
finger with 21 threshold.",
        "type": 1,
        "brand": 3,
        "current": 2,
        "collection": null
    },
    {
        "id": 6,
        "name": "Yamaha C30 II classic guitar",
        "img":{
            "src": "gitara10.png",
            "alt": "gitara10"
        },
        "price":{
            "old": "35.000",
            "new": "29.000"
        },
        "text": "The Yamaha C30 II classical guitar may be one of the cheaper
models, but the quality and tone are outstanding for the price paid. Good job for
a beginner.",
        "type": 1,
        "brand": 4,
        "current": 1,
        "collection": 1
    },
    {
        "id": 7,
        "name": "LTD Surveyor 400 Bass Black",
        "img":{
            "src": "gitara7.png",
            "alt": "gitara7"
        },
        "price":{
            "old": "98.000",
            "new": "75.000"
```

```
        },
        "text": "The ESP LTD Surveyor 400 bass is a class act for a moderate
price. Traditional in style, made with solid, high quality tone woods, it is
fitted with EMG active pickups, coil-tap capability, and 3-band active EQ for
vast tonal range.",
        "type": 2,
        "brand": 7,
        "current": 2,
        "collection": 1
    },
    {
        "id": 8,
        "name": "Gibson Custom Les Paul Axcess",
        "img":{
            "src": "gitara8.png",
            "alt": "gitara8"
        },
        "price":{
            "old": null,
            "new": "158.000"
        },
        "text": "This Gibson Custom Les Paul Axcess Custom solidbody electric
guitar takes the Les Paul to a new level of playing ease and sonic dexterity.
Dimed, the instrument's dual humbuckers send a volcanic surge of molten tone
erupting from your amp. Dial back the gain; it cleans right up. Hit the coil
split and you've got chimey spank and sparkle. Sporting the elegant styling of
late '50s-era 'Paul Customs, this axe also provides you with a modern \"heel-
less\" neck joint and a weight-relieved body with a comfortable tummy contour.",
        "type": 1,
        "brand": 2,
        "current": 2,
        "collection": 2
    },
    {
        "id": 9,
        "name": "Fender FA-450CE LRL 3TS",
        "img":{
            "src": "gitara9.png",
            "alt": "gitara9"
        },
        "price":{
            "old": "75.000",
            "new": "65.000"
        },
```

```
        "text": "Not just another pretty bass, the inspiring and surprisingly
versatile FA-450CE makes it easy to take killer Fender bass tone and feel
anywhere you go. For amplified performances. the onboard Fishman® preamp system
offers crystal-clear sound along with volume, bass and treble controls to
precisely shape your tone. The luxurious flame maple top enhances articulation,
lending a crisp attack to the mahogany back and sides rich, warm voice.",
        "type": 2,
        "brand": 1,
        "current": 1,
        "collection": 1
    },
    {
        "id": 10,
        "name": "Jackson JS Series Dinky™ BLUE",
        "img":{
            "src": "gitara6.png",
            "alt": "gitara6"
        },
        "price":{
            "old": null,
            "new": "43.000"
        },
        "text": "Swift, deadly and affordable, Jackson JS Series guitars take an
epic leap forward, making it easier than ever to get classic Jackson tone, looks
and playability without breaking the bank. Upgraded features such as arched tops,
new high-output ceramic-magnet pickups, graphite-reinforced maple necks, and
black hardware deliver more for less.",
        "type": 1,
        "brand": 6,
        "current": 2,
        "collection": null
    },
    {
        "id": 11,
        "name": "Sigma BME",
        "img":{
            "src": "gitara11.png",
            "alt": "gitara11"
        },
        "price":{
            "old": null,
            "new": "95.000"
        },
        "text": "Solid spruce top, mahogany back and sides, bone nut and saddle,
mahogany neck with rosewood fretboard, 34\" scale, Piezo pickup and active preamp
```

```
with built in tuner. This is one of our favourite acoustic basses, they sound
rich and full with excellent projection courtesy of the solid top.",
        "type": 2,
        "brand": 8,
        "current": 1,
        "collection": null
    },
    {
        "id": 12,
        "name": "Fender Montecito Tenor Ukulele",
        "img":{
            "src": "gitara12.png",
            "alt": "gitara12"
        },
        "price":{
            "old": null,
            "new": "28.287"
        },
        "text": "The solid top provides enhanced resonance and sustain, along
with incredible warmth and well-balanced projection. The Montecito's koa body is
complemented by blue-green abalone top binding and a bound back and fingerboard
for a refined look. Other features include a no-tie bridge for quick, easy string
changes, a bone nut and saddle for superior intonation, an abalone rosette,
vintage-style closed-back tuning machines and a 4-in-line Tele® headstock for
that unmistakably classic Fender look.",
        "type": 3,
        "brand": 1,
        "current": 1,
        "collection": 2
    },
    {
        "id": 13,
        "name": "Fender Fullerton Tele Uke Black",
        "img":{
            "src": "gitara13.png",
            "alt": "gitara13"
        },
        "price":{
            "new": "24.429"
        },
        "text": "Tipping the hat to Fenders iconic guitar body shapes, the
Fullerton Series ukuleles are nothing short of electric. The Fullerton Telecaster
departs from traditional ukulele construction and aesthetics, while remaining
faithful to Fenders history. The Telecaster ukuleles pickguard, signature finish
```

```json
color options, and 4-in-line headstock can only be categorized as
quintessentially Fender.",
        "type": 3,
        "brand": 1,
        "current": 2,
        "collection": null
    },
    {
        "id": 14,
        "name": "Fender Billie Eilish Signature Ukulele",
        "img":{
            "src": "gitara14.png",
            "alt": "gitara14"
        },
        "price":{
            "old": null,
            "new": "31.296"
        },
        "text": "As soon as she burst onto the scene with her 2015 single "Ocean
Eyes", it was clear that Billie Eilish is a force to be reckoned with. In the
years since, she has established herself as a new kind of pop culture icon,
taking the fashion and music industries by storm on her own terms. Billies
meteoric ascent to pop stardom started with the ukulele, the first instrument she
learned to play.",
        "type": 3,
        "brand": 1,
        "current": 1,
        "collection": 3
    },
    {
        "id": 15,
        "name": "LTD Surveyor 405 NAT",
        "img":{
            "src": "gitara15.png",
            "alt": "gitara15"
        },
        "price":{
            "old": "93.526",
            "new": "85.000"
        },
        "text": "The ESP LTD Surveyor 405 bass guitar is a classy 5-string at a
moderate price. Traditional in style, made with solid, high quality tone woods,
it features EMG active pickups, coil-tap capability, and 3-band active EQ for
vast tonal range.",
        "type": 2,
```

```json
        "brand": 7,
        "current": 1,
        "collection": 1
    },
    {
        "id": 16,
        "name": "Ibanez SR300-IPT",
        "img":{
            "src": "gitara16.png",
            "alt": "gitara16"
        },
        "price":{
            "old": null,
            "new": "37.679"
        },
        "text": "The ESP LTD Surveyor 405 bass guitar is a classy 5-string at a
moderate price. Traditional in style, made with solid, high quality tone woods,
it features EMG active pickups, coil-tap capability, and 3-band active EQ for
vast tonal range.",
        "type": 2,
        "brand": 5,
        "current": 2,
        "collection": 2
    },
    {
        "id": 17,
        "name": "Gibson Thunderbird Bass Vintage Sunburst",
        "img":{
            "src": "gitara17.png",
            "alt": "gitara17"
        },
        "price":{
            "old": null,
            "new": "166.054"
        },
        "text": "There are some guitars—the Les Paul, the SG, the Flying V—that
are instantly recognizable, their iconic shapes having long been embedded into
the hearts and minds of music enthusiasts everywhere. The Gibson Thunderbird IV
bass joined this distinguished lineup shortly after its introduction in 1963.",
        "type": 2,
        "brand": 2,
        "current": 2,
        "collection": null
    },
    {
```

```json
    "id": 18,
    "name": "Squier By Fender Classic Vibe Precision",
    "img":{
        "src": "gitara18.png",
        "alt": "gitara18"
    },
    "price":{
        "old": null,
        "new": "166.054"
    },
    "text": "Delivering an authentic 50s-era bass experience in sound, look
and feel, the all-new Classic Vibe Precision Bass 50s boasts a gorgeous new
Butterscotch Blonde finish on a pine body. Features include a vintage-tint gloss
maple neck with 20 medium-jumbo frets and modern 9.5" fretboard radius, custom
"original" single-coil pickup that delivers warm and earthy old-school Precision
Bass tone, traditional single-ply black pickguard and "HiMass" bridge with four
brass barrel saddles.",
    "type": 2,
    "brand": 3,
    "current": 2,
    "collection": null
},
{
    "id": 19,
    "name": "Yamaha C70 classic guitar",
    "img":{
        "src": "gitara19.png",
        "alt": "gitara19"
    },
    "price":{
        "old": null,
        "new": "29.561"
    },
    "text": "If you have a more modest budget, it does not necessarily mean
that you are doomed to second-class instruments, which is best demonstrated by
the Yamaha C70 classical guitar. The spruce top, mahogany side and backs look
like mahogany and a real rosewood fingerboard ensure that this guitar is blessed
with quality tone and playfulness at an affordable price. The C70 has gold-plated
studs and an attractive multi-layer binding.",
    "type": 1,
    "brand": 4,
    "current": 1,
    "collection": null
},
{
```

```
        "id": 20,
        "name": "Sigma DTCE+",
        "img":{
            "src": "gitara20.png",
            "alt": "gitara20"
        },
        "price":{
            "old": null,
            "new": "35.620"
        },
        "text": "Sigma DTCE+ is a visually stunning guitar with a budget-friendly
price. Quality laminate construction with a modern Fender 3+3 headstock and
Viking bridge create an easy-playing instrument that sounds great. Beginners and
developing players will appreciate this guitar, which features a nato neck that
gives the guitar lively tone and a smooth playing feel.",
        "type": 1,
        "brand": 8,
        "current": 1,
        "collection": 2
    },
    {
        "id": 21,
        "name": "Jackson JS Series Signature Gus G. Star",
        "img":{
            "src": "gitara21.png",
            "alt": "gitara21"
        },
        "price":{
            "old": "68.249",
            "new": "52.513"
        },
        "text": "Gus G. spent the past decade affirming his status as one of
metals reigning guitar virtuosos. Personally handpicked by Ozzy Osbourne in
August 2009, he served as the heavy metal legends lead guitarist through spring
2017, while also establishing himself as an acclaimed solo artist with more than
a dozen studio albums to his credit. He also managed to find time to perform
worldwide with acts as diverse as Arch Enemy, Dream Evil and his own band,
Firewind.",
        "type": 1,
        "brand": 6,
        "current": 2,
        "collection": 1
    }
]
```

3.4.2 brands.json

```json
[
    {
        "id": 1,
        "name": "fender"
    },
    {
        "id": 2,
        "name": "gibson"
    },
    {
        "id": 3,
        "name": "squier"
    },
    {
        "id": 4,
        "name": "yamaha"
    },
    {
        "id": 5,
        "name": "ibanez"
    },
    {
        "id": 6,
        "name": "jackson"
    },
    {
        "id": 7,
        "name": "ltd"
    },
    {
        "id": 8,
        "name": "sigma"
    }
]
```

3.4.3 current.json

```json
[
    {
        "id": 1,
        "name": "acoustic"
    },
    {
        "id": 2,
        "name": "electric"
    }
]
```

3.4.4 types.json

```json
[
    {
        "id": 1,
        "name": "six string"
    },
    {
        "id": 2,
        "name": "bass"
    },
    {
        "id": 3,
        "name": "ukulele"
    }
]
```

3.4.5 collections.json

```json
[
    {
        "id": 1,
        "name": "discount"
    },
    {
        "id": 2,
        "name": "new"
    },
    {
        "id": 3,
        "name": "collaboration"
    }
]
```

3.4.6 menu.json

```json
[
    {
        "id": 1,
        "href": "index.html",
        "name": "Home"
    },
    {
        "id": 2,
        "href": "shop.html",
        "name": "Shop"
    },
    {
        "id": 3,
        "href": "author.html",
        "name": "Author"
    },
    {
        "id": 4,
        "href": "contact.html",
        "name": "Contact"
    },
    {
        "id": 5,
        "href": "cart.html",
        "name": "Cart"
    }
]
```

3.4.7 sectionFilters.json

```json
[
    {
        "id": 1,
        "name": "general"
    },
    {
        "id": 2,
        "name": "type"
    },
    {
        "id": 3,
        "name": "brand"
    },
    {
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        "name": "collection"
    }
]
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