DOKUMENTACIJA

https://krsmanovic013.github.io/KrsmanShop/

Web Programiranje 2

Milos Krsmanovic 22/20

Sadržaj

1.0 Uvod

2.0 Organizacija

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1. Uvod

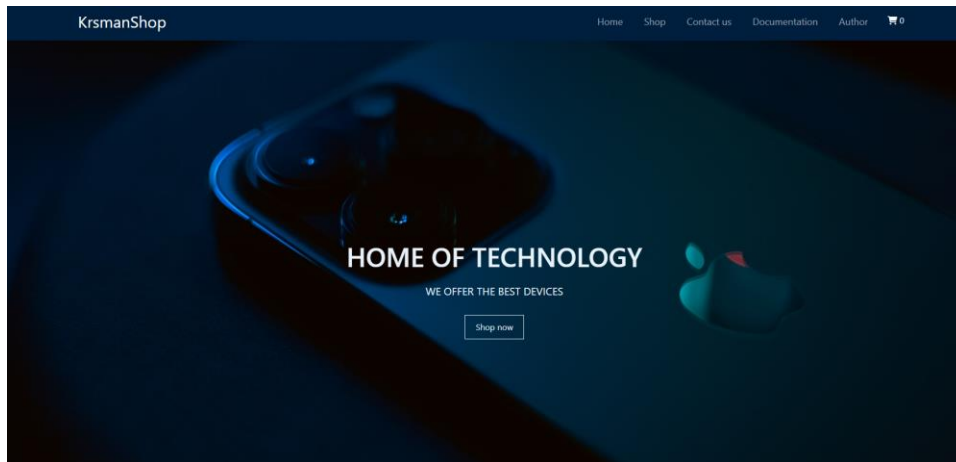### 1.1. Korišćeni programski jezici

Sajt je izrađen korišćenjem HTML5,CSS3(Bootstrap5),JavaScript,jQuery I kod je pisan u Visual Studio Code editoru.
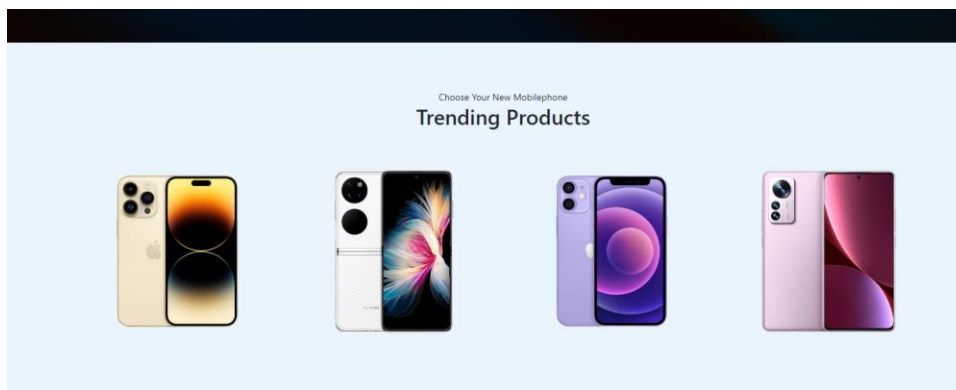
1.2. Template

Za izradu sajta nije korišćen template.

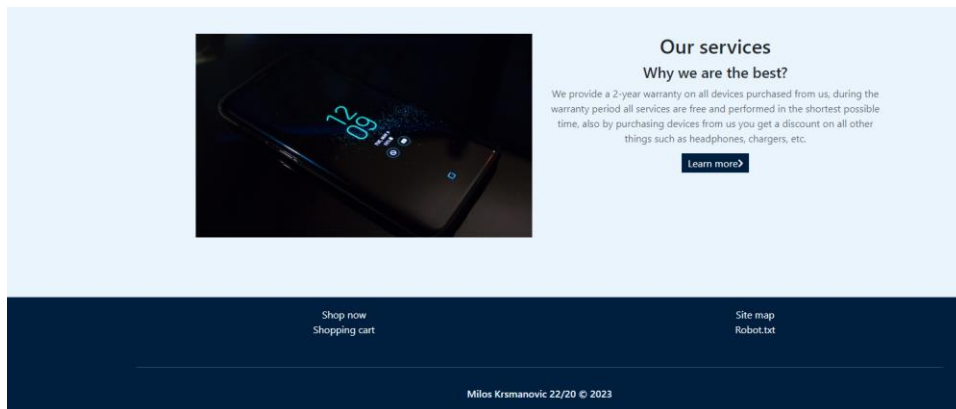### 1.3. Slike stranica I opis funkcionalnosti

1.3.1. INDEX.HTML

Navigacioni meni dohvacen Ajax-om iz nav.json I dinamicki ispisan prilikom ucitavanje stranice, responsive je.
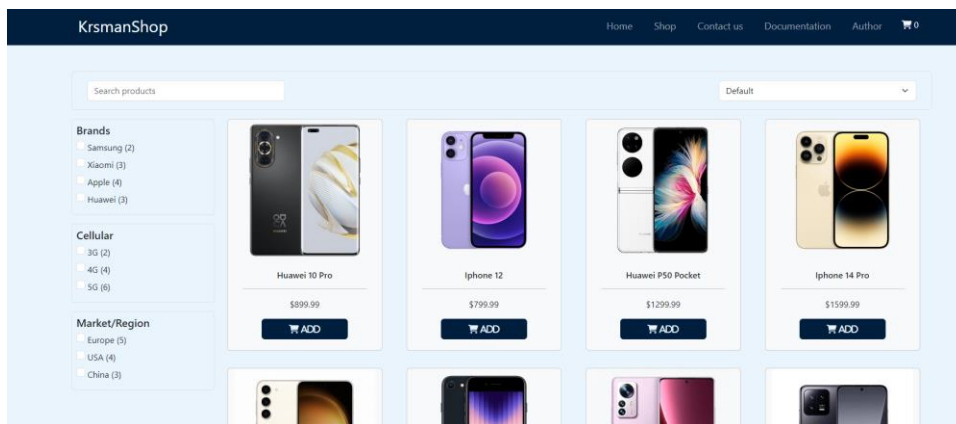

Trending products sekcija je ispisana dinamicki takodje dohvacen je sadrzaj Ajax-om iz trending.json I dinamicki se ispisuje prilikom ucitavanja stranice , responsive je.
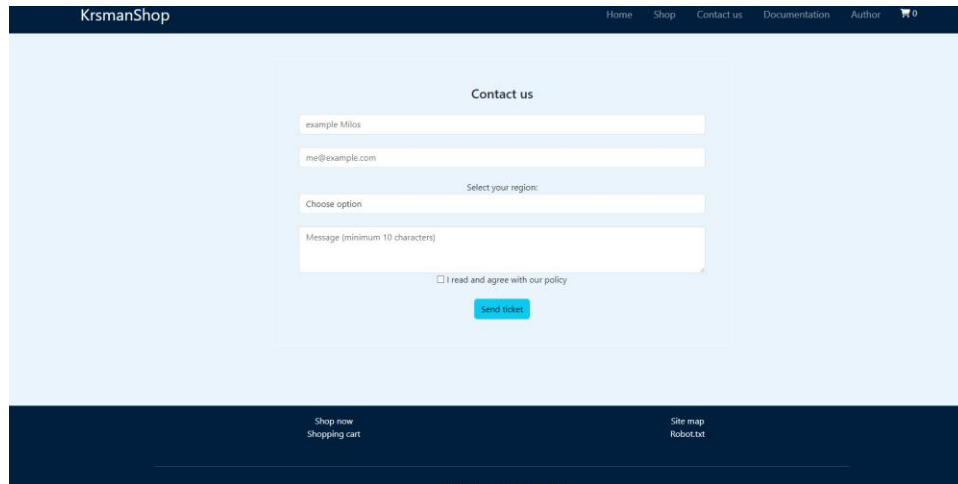
Our services sekcija je pisana u HTML-u I responsive je, footer takodje.

1.3.2. SHOP.HTML

Navigacioni meni dohvacen Ajax-om iz nav.json I dinamicki ispisan prilikom ucitavanje stranice, responsive je. Checkbox liste su takodje dinamicki ispisane njihovi podaci su takodje iz json fajlova (brends.json , callular.json , market.json) dohvaceni su ajax pozivom I ispisani takodje dinamicki su ispisani brojevi prizvoda koji pripadaju odredjenom svojstvu '(broj)'. Tako sort lista je dinamicki ispisana dohvacen je sadrzaj ajaxom iz json-a sort.json. Filtraranje si sortiranje radi uskladjeno. Klikom na ADD dugme dodajemo proizvod u korpu , ukoliko taj proizvod ne posotji u korpi broj na korpi ce se povecati ukoliko postoji nece se povecati broj na korpi u nav meni-u nego ce se samo povecati quantity tog proizvoda.

1.3.3. CONTACT-US.HTML

Navigacioni meni dohvacen Ajax-om iz nav.json I dinamicki ispisan prilikom ucitavanje stranice, responsive je. Uradjena je falidacija forma svakog polja onBlur I na kraju klikom n a dugme isto se proverava , ukoliko je sve uneto u skladu sa regularnim izrazima I izadrana je stavka iz ddl I checkbox je cekiran iskace alert "successful sent" I forma se resetuje.

1.3.3. AUTHOR.HTML
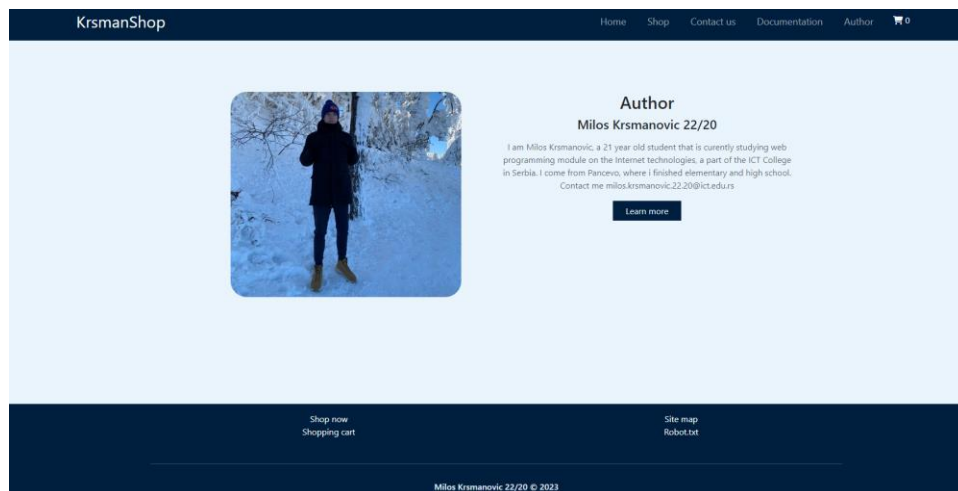
Navigacioni meni dohvacen Ajax-om iz nav.json I dinamicki ispisan prilikom ucitavanje stranice, responsive je. Autor slika I tekst I cela sekcija je responsive.

1.3.4. CART.HTML
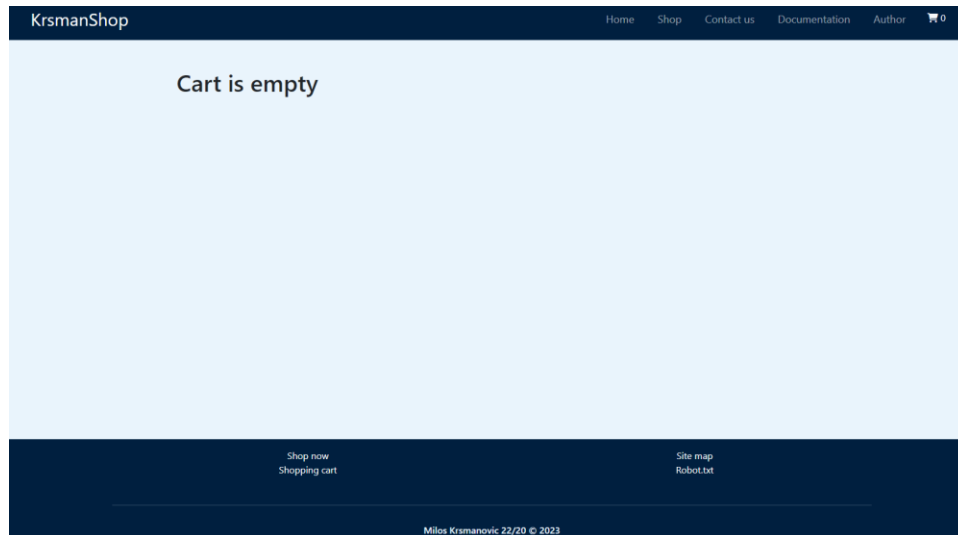
Navigacioni meni dohvacen Ajax-om iz nav.json I dinamicki ispisan prilikom ucitavanje stranice, responsive je. Kada u korpi nema nista ispisuje se "Cart is empty" I nema dugmeta za "checkout".
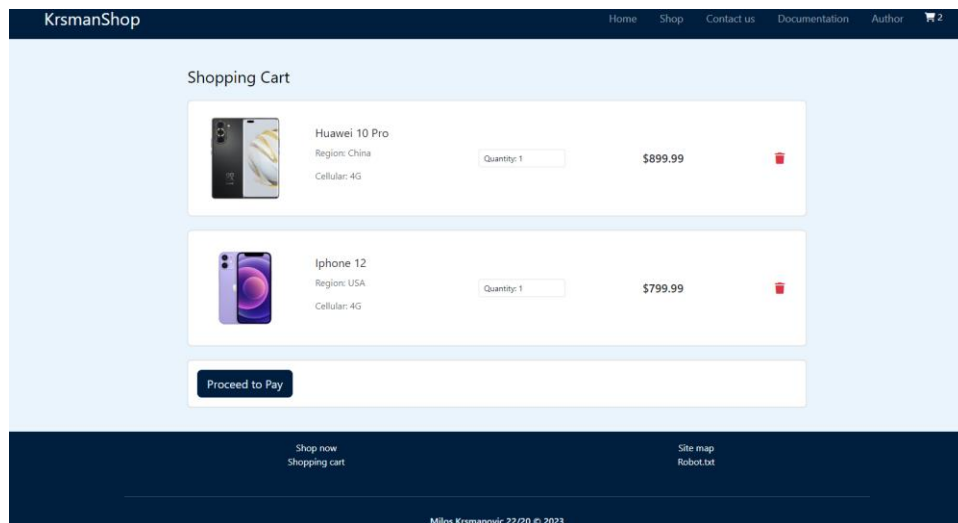
Kada dodamo 2 proizvoda u korpu u nav meniju stoji broj proizvoda (2) I pojavljuje se "Proceed to Pay" dugme , takodje dinamicki se ispisuje slika proizvoda, naziv , region tj trziste kome pripada I njegov cellular (3g,4g ili 5g). Klikom na ikonicu kantice proizvod se brise iz korpe , I broj proizvoda u nav meniju se smanjuje za 1, kad izbacimo I poslednji prozivod dugme nestaje ispisuje se "Cart is empty" I broj proizvoda u nav baru posaje "0".

Xiaomi 12			
Region: China	Quantity: 6	$5999.94	🗑
Cellular: 4G			

Xiaomi 12

$999.99

🛒 ADD

Takodje ispisuje se ukupna cena tog proizvoda I quantity. Ukupna cena jednaka je ceni proizvoda pomnozemo sa kolicinom.

2. Organizacija

2.1. Organizaciona šema

Sajt nije organizovan kao single page , vec se sastoji iz vise stranica (index.html , shop.html , contact-us.html, author.html , cart.html).

2.2. Site map

```xml
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance
  <!--  created with Free Online Sitemap Generator www.xml-sitemaps.com  -->
  <url>
    <loc>https://krsmanovic013.github.io/KrsmanShop/</loc>
    <lastmod>2023-03-09T20:34:19+00:00</lastmod>
    <priority>1.00</priority>
  </url>
  <url>
    <loc>https://krsmanovic013.github.io/KrsmanShop/index.html</loc>
    <lastmod>2023-03-09T20:34:19+00:00</lastmod>
    <priority>0.80</priority>
  </url>
  <url>
    <loc>https://krsmanovic013.github.io/KrsmanShop/shop.html</loc>
    <lastmod>2023-03-09T20:34:19+00:00</lastmod>
    <priority>0.80</priority>
  </url>
  <url>
    <loc>https://krsmanovic013.github.io/KrsmanShop/cart.html</loc>
    <lastmod>2023-03-09T20:34:19+00:00</lastmod>
    <priority>0.80</priority>
  </url>
</urlset>
```

2.3. Robot.txt

```
User-agent: *
Allow: /
```

3. Kodovi

3.1 HTML

3.1.1 index.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" />
    <title>KrsmanShop</title>
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWSktQQp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD"
      crossorigin="anonymous"
    />
    <link rel="stylesheet" type="text/css" href="style.css" />
    <script
      src="https://kit.fontawesome.com/20e4f2537d.js"
      crossorigin="anonymous"
    ></script>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
  </head>
  <body>
    <header class="bg-primary boja">
      <nav class="navbar navbar-expand-lg navbar-dark wrapper">
        <div class="container-fluid">
          <a class="navbar-brand" href="index.html">KrsmanShop</a>
          <button
            class="navbar-toggler"
            type="button"
            data-bs-toggle="collapse"
            data-bs-target="#navbarNav"
            aria-controls="navbarNav"
            aria-expanded="false"
            aria-label="Toggle navigation"
          >
            <span class="navbar-toggler-icon"></span>
          </button>
          <div class="collapse navbar-collapse" id="navbarNav"></div>
        </div>
      </nav>
    </header>
    <!-- Sekcija -->
    <div id="sl">
      <div id="overlay">
        <h2>HOME OF TECHNOLOGY</h2>
        <p>WE OFFER THE BEST DEVICES</p>
        <button>Shop now</button>
      </div>
    </div>

    <!-- Sekcija end -->
```

```html
    <!-- Sekcija ... -->
    <section class="container pt-4">
      <p class="small text-center m-0 mt-5 color-primary">
        Choose Your New Mobilephone
      </p>
      <h2 class="text-center mb-5">Trending Products</h2>
      <div id="trending" class="position-relative row">
    </section>
    <div class="container my-5 py-5 z-depth-1" id="blok1">
      <section class="px-md-5 mx-md-5 dark-grey-text text-center text-lg-left">
        <div class="row">
          <div
            class="col-lg-6 mb-4 mb-lg-0 d-flex align-items-center justify-content-center"
          >
            <img src="img/slika1.jpg" class="img-fluid" alt="slika" />
          </div>
          <div class="col-lg-6 mb-4 mb-lg-0">
            <h2 class="font-weight-bold">Our services</h2>

            <h4 class="font-weight-bold">Why we are the best?</h4>

            <p class="text-muted">
              We provide a 2-year warranty on all devices purchased from us,
              during the warranty period all services are free and performed in
              the shortest possible time, also by purchasing devices from us you
              get a discount on all other things such as headphones, chargers,
              etc.
```

```html
    <footer class="boja">
      <div class="container wrapper">
        <div class="row align-items-center py-3">
          <div class="col-lg-6 col-md-6 col-sm-6 text-center" id="footerNavbar">
            <ul>
              <li><a href="shop.html">Shop now</a></li>
              <li><a href="cart.html">Shopping cart</a></li>
            </ul>
          </div>
          <div class="col-lg-6 col-md-6 col-sm-6 text-center" id="footerLinks">
            <ul>
              <li><a href="seo/sitemapp.xml">Site map</a></li>
              <li><a href="seo/robot.txt">Robot.txt</a></li>
            </ul>
          </div>
        </div>
        <hr />
        <div class="row py-3">
          <div class="col-12 d-flex justify-content-center align-items-center">
            <h6>Milos Krsmanovic 22/20 &copy; <span id="god"></span></h6>
          </div>
        </div>
      </div>
    </footer>
    <script
      src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
      integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
      crossorigin="anonymous"
```

```
104          <hr />
105          <div class="row py-3">
106            <div class="col-12 d-flex justify-content-center align-items-center">
107              <h6>Milos Krsmanovic 22/20 &copy; <span id="god"></span></h6>
108            </div>
109          </div>
110        </div>
111      </footer>
112      <script
113        src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
114        integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
115        crossorigin="anonymous"
116      ></script>
117      <script src="main.js"></script>
118    </body>
119  </html>
120
```

3.1.2 shop.html

Head tag nije skrinshotovan jer je svuda isti kao u index.html !!

```
1    <!DOCTYPE html>
2  ∨ <html lang="sr">
3  >    <head>...
35     </head>
36 ∨   <body>
37 ∨     <header class="bg-primary boja">
38 ∨       <nav class="navbar navbar-expand-lg navbar-dark wrapper">
39 ∨         <div class="container-fluid">
40            <a class="navbar-brand" href="index.html">KrsmanShop</a>
41 ∨          <button
42              class="navbar-toggler"
43              type="button"
44              data-bs-toggle="collapse"
45              data-bs-target="#navbarNav"
46              aria-controls="navbarNav"
47              aria-expanded="false"
48              aria-label="Toggle navigation"
49            >
50              <span class="navbar-toggler-icon"></span>
51            </button>
52            <div class="collapse navbar-collapse" id="navbarNav"></div>
53          </div>
54        </nav>
55      </header>
```

```html
    </header>

    <section>
      <div class="container-fluid wrapper my-5">
        <div
          class="row border rounded p-3 d-flex justify-content-between"
          id="searchRow"
        >
          <div class="col-lg-3 col-12 my-3 my-lg-0">
            <div class="input-group">
              <input
                class="form-control"
                type="text"
                id="search"
                placeholder="Search products"
              />
            </div>
          </div>
          <div class="col-lg-3 col-12" id="sortLista"></div>
        </div>
        <div class="row">
          <div id="filterList" class="px-0 my-3 col-lg-2 col-12"></div>
          <div id="products" class="col-lg-10 col-12 container-fluid"></div>
        </div>
      </div>
    </section>


    <footer class="boja" id="futer">
      <div class="container wrapper">
        <div class="row align-items-center py-3">
          <div class="col-lg-6 col-md-6 col-sm-6 text-center" id="footerNavbar">
            <ul>
              <li><a href="shop.html">Shop now</a></li>
              <li><a href="cart.html">Shopping cart</a></li>
            </ul>
          </div>
          <div class="col-lg-6 col-md-6 col-sm-6 text-center" id="footerLinks">
            <ul>
              <li><a href="seo/sitemapp.xml">Site map</a></li>
              <li><a href="seo/robot.txt">Robot.txt</a></li>
            </ul>
          </div>
        </div>
        <hr />
        <div class="row py-3">
          <div class="col-12 d-flex justify-content-center align-items-center">
            <h6>Milos Krsmanovic 22/20 &copy; <span id="god"></span></h6>
          </div>
        </div>
      </div>
    </footer>
```

```
110          </div>
111          </div>
112        </footer>
113        <script
114          src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
115          integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
116          crossorigin="anonymous"
117        ></script>
118        <script src="main.js"></script>
119      </body>
120    </html>
121
```

3.1.3 contact-us.html

Head tag I footer nisu skrinshotovani jer su svuda isti kao u index.html !!

```
3  >    <head>···
28       </head>
29       <body>
30         <header class="bg-primary boja">
31           <nav class="navbar navbar-expand-lg navbar-dark wrapper">
32             <div class="container-fluid">
33               <a class="navbar-brand" href="index.html">KrsmanShop</a>
34               <button
35                 class="navbar-toggler"
36                 type="button"
37                 data-bs-toggle="collapse"
38                 data-bs-target="#navbarNav"
39                 aria-controls="navbarNav"
40                 aria-expanded="false"
41                 aria-label="Toggle navigation"
42               >
43                 <span class="navbar-toggler-icon"></span>
44               </button>
45               <div class="collapse navbar-collapse" id="navbarNav"></div>
46             </div>
47           </nav>
48         </header>
```

```html
        </nav>
      </header>
      <div class="container">
        <div class="row">
          <div class="col-lg-8 mx-auto my-5">
            <form class="text-center border border-light p-5 mb-3">
              <p class="h4 mb-4">Contact us</p>
              <input
                type="text"
                id="firstName"
                class="form-control mb-4"
                placeholder="example Milos"
              />
              <input
                type="email"
                id="email"
                class="form-control mb-4"
                placeholder="me@example.com"
              />
              <label>Select your region:</label>
              <select class="form-control custom-select mb-4" id="ddl">
                <option value="0">Choose option</option>
                <option value="1">USA</option>
                <option value="2">Europe</option>
                <option value="3">China</option>
              </select>
              <div class="form-group">
```

```html
                <option value="2">Europe</option>
                <option value="3">China</option>
              </select>
              <div class="form-group">
                <textarea
                  class="form-control rounded-0"
                  id="msg"
                  rows="3"
                  placeholder="Message (minimum 10 characters)"
                ></textarea>
              </div>
              <div class="custom-control custom-checkbox mb-4 polisa">
                <input type="checkbox" class="custom-control-input" id="chb" />
                <label class="custom-control-label" for="defaultContactFormCopy"
                  >I read and agree with our policy</label
                >
              </div>

              <button class="btn btn-info btn-block" id="btnS">
                Send ticket
              </button>
            </form>
          </div>
        </div>
      </div>
```

```
95 >        <footer class="boja mt-5">...
118          </footer>
119          <!-- Izmeniti -->
120          <script
121            src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
122            integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
123            crossorigin="anonymous"
124          ></script>
125          <script src="main.js"></script>
126        </body>
127      </html>
128
```

3.1.4 author.html

Head tag I footer nisu skrinshotovani jer su svuda isti kao u index.html !!

```
1     <!DOCTYPE html>
2     <html lang="en">
3   >   <head>...
20      </head>
21      <body>
22        <header class="bg-primary boja">
23          <nav class="navbar navbar-expand-lg navbar-dark wrapper">
24            <div class="container-fluid">
25              <a class="navbar-brand" href="index.html">KrsmanShop</a>
26              <button
27                class="navbar-toggler"
28                type="button"
29                data-bs-toggle="collapse"
30                data-bs-target="#navbarNav"
31                aria-controls="navbarNav"
32                aria-expanded="false"
33                aria-label="Toggle navigation"
34              >
35                <span class="navbar-toggler-icon"></span>
36              </button>
37              <div class="collapse navbar-collapse" id="navbarNav"></div>
38            </div>
39          </nav>
40        </header>
```

```html
<div class="container my-5 py-5 z-depth-1">
  <section class="px-md-5 mx-md-5 dark-grey-text text-center text-lg-left">
    <div class="row">
      <div
        class="col-lg-6 mb-4 mb-lg-0 d-flex align-items-center justify-content-center"
      >
        <img
          src="img/author.jpg"
          class="img-fluid"
          alt="author"
          id="slika"
        />
      </div>
      <div class="col-lg-6 mb-4 mb-lg-0">
        <h2 class="font-weight-bold">Author</h2>

        <h4 class="font-weight-bold mb-3">Milos Krsmanovic 22/20</h4>

        <p class="text-muted mb-4">
          I am Milos Krsmanovic, a 21 year old student that is curently
          studying web programming module on the Internet technologies, a
          part of the ICT College in Serbia. I come from Pancevo, where i
          finished elementary and high school. Contact me
          milos.krsmanovic.22.20@ict.edu.rs
        </p>

        <a class="font-weight-bold boja py-2 px-4" href="#">Learn more </a>
      </div>
    </div>
  </section>
</div>
<footer class="boja dole1">…
</footer>
<script
  src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
  crossorigin="anonymous"
></script>
<script src="main.js"></script>
</body>
</html>
```

3.1.5 cart.html

Head tag I footer nisu skrinshotovani jer su svuda isti kao u index.html !!

```
1   <!DOCTYPE html>
2   <html lang="en">
3 > <head>...
21  </head>
22  <body>
23    <header class="bg-primary boja">
24      <nav class="navbar navbar-expand-lg navbar-dark wrapper">
25        <div class="container-fluid">
26          <a class="navbar-brand" href="index.html">KrsmanShop</a>
27          <button
28            class="navbar-toggler"
29            type="button"
30            data-bs-toggle="collapse"
31            data-bs-target="#navbarNav"
32            aria-controls="navbarNav"
33            aria-expanded="false"
34            aria-label="Toggle navigation"
35          >
36            <span class="navbar-toggler-icon"></span>
37          </button>
38          <div class="collapse navbar-collapse" id="navbarNav"></div>
39        </div>
40      </nav>
41    </header>
```

```
42    <section class="h-100">
43      <div class="container h-100 py-5">
44        <div class="row d-flex justify-content-center align-items-center h-100">
45          <div class="col-10" id="ispisKart"></div>
46        </div>
47      </div>
48    </section>
49 >  <footer class="boja" id="footer">...
72    </footer>
73    <script
74      src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
75      integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
76      crossorigin="anonymous"
77    ></script>
78    <script src="main.js"></script>
79  </body>
80  </html>
81
```

3.2 JavaScript

Main.js

```javascript
1    //Lokacija stranice
2    let url = window.location.pathname;
3    url = url.substring(url.lastIndexOf("/"));
4    window.onload = () => {
5      //Dohvatanje podataka i setovanje u local storage
6      ajax("data/products.json", "proizvodi");
7      ajax("data/brends.json", "brends");
8      ajax("data/cellular-data.json", "cellular");
9      ajax("data/sort.json", "sort");
10     ajax("data/market.json", "market");
11     if (url == "/index.html" || url == "/") {
12       ispisTrending(trending);
13     }
14     if (url == "/shop.html") {
15       document.querySelector("#ddlSelect").onchange = () => {
16         ispisProzivoda(products);
17       };
18       document.querySelector("#cbnBrend").onchange = () => {
19         ispisProzivoda(products);
20       };
21       document.querySelector("#cbnCellular").onchange = () => {
22         ispisProzivoda(products);
23       };
24       document.querySelector("#cbnMarket").onchange = () => {
25         ispisProzivoda(products);
26       };
27     }
28   };
```

```javascript
30    //Ajax callback
31    async function ajax(url, ime) {
32      let res = await fetch(url);
33      let data = await res.json();
34      localStorage.setItem(ime, JSON.stringify(data));
35    }
36
37    //Setovanje podataka iz local storage u promenljive
38    let products = dohvatiLocal("proizvodi");
39    let brends = dohvatiLocal("brends");
40    let cellular = dohvatiLocal("cellular");
41    let sort = dohvatiLocal("sort");
42    let market = dohvatiLocal("market");
43
44    //Funkcija za dohvatanje iz local storage
45    function dohvatiLocal(ime) {
46      return JSON.parse(localStorage.getItem(ime));
47    }
48    //Funkcija za setovanje u local storage
49    function setujLocal(ime, data) {
50      localStorage.setItem(ime, JSON.stringify(data));
51    }
52
```

```javascript
52
53    if (url == "/shop.html") {
54      //Funkcija za pravljenje checkbox liste
55      function napraviChb(data, ime, id) {
56        ispis = `<div class='border rounded p-2 mb-3' id='${id}'>
57        <h5>${ime}</h5>`;
58
59        for (let obj of data) {
60          ispis += `<div class='mb-2'>
61          <input class="form-check-input mt-0 ${id}" type="checkbox" value='${
62            obj.id
63          }' />
64          <label>${obj.naziv} (${prebroj(obj)})</label>
65          </div>`;
66        }
67        ispis += "</div>";
68
69        document.querySelector("#filterList").innerHTML += ispis;
70      }
71
72      //Pravljenje checkbox lista
73      napraviChb(brends, "Brands", "cbnBrend");
74      napraviChb(cellular, "Cellular", "cbnCellular");
75      napraviChb(market, "Market/Region", "cbnMarket");
76
77      //Prebrojavanje
78      function prebroj(kat) {
79        if (brends.includes(kat)) {
80          var novi = products.filter((a) => kat.id == a.idBrend);
81        }
82        if (market.includes(kat)) {
83          var novi = products.filter((a) => kat.id == a.idRegion);
84        }
85        if (cellular.includes(kat)) {
86          var novi = products.filter((a) => kat.id == a.idCellular);
87        }
88        return novi.length;
89      }
90
91      //Pravljenje ddl Sort
92      createDdl(sort, "sortLista");
93
94      //Funkcija za pravljenje drowdown liste
95      function createDdl(data, idBloka) {
96        let ispis = '<select id="ddlSelect" class="form-select">';
97        for (let obj of data) {
98          ispis += `<option value='${obj.value}'>${obj.naziv}</option>`;
99        }
100       document.querySelector(`#${idBloka}`).innerHTML = ispis;
101     }
102
```

```javascript
102
103    //Proizvodi
104    ispisProzivoda(products);
105
106    function ispisProzivoda(data) {
107      let ispis = "<div class='row d-flex justify-content-around'>";
108      data = sortiranje(data);
109      data = filtriranjeBrend(data);
110      data = filtriranjeCellular(data);
111      data = filtriranjeMarket(data);
112      for (let obj of data) {
113        ispis += `
114    <div class='card product bg-light my-3 col-12 col-lg-4'>
115      <img src=${obj.image.src} class='card-img-top' alt=${obj.image.alt} />
116        <div class='card-body'>
117            <h5 class='card-title klasa'>${obj.title}</h5>
118            <hr />
119            <div class='price klasa'>$${obj.price.new}</div>
120            <button class='btn boja my-1 dugmeCart' id='btnn' data-id='${obj.id}'><i class='fa-solid fa
121        </div>
122    </div>`;
123      }
124      ispis += "</div>";
125      document.querySelector("#products").innerHTML = ispis;
```

```javascript
123      }
124      ispis += "</div>";
125      document.querySelector("#products").innerHTML = ispis;
126
127      //Add to cart dugme
128      const btnAddToCard = document.querySelectorAll(".dugmeCart");
129      for (let btn of btnAddToCard) {
130        btn.onclick = (e) => {
131          e.preventDefault();
132          idProizvoda = btn.getAttribute("data-id");
133          addToCart(idProizvoda);
134        };
135      }
136    }
137
138    //Search po name-u
139    const search = document.querySelector("#search");
140    search.onkeyup = () => {
141      console.log("rr");
142      let val = search.value;
143      let novi = products.filter(
144        (a) => a.title.toLowerCase().indexOf(val.toLowerCase()) != -1
145      );
146      ispisProzivoda(novi);
147    };
148
```

```javascript
149    // sortiranje
150    function sortiranje(nizProizvoda) {
151      let sortiraniProizvodi = [];
152      let izbor = $("#ddlSelect").val();
153
154      if (izbor == "default") {
155        sortiraniProizvodi = dohvatiLocal("proizvodi");
156      } else {
157        sortiraniProizvodi = nizProizvoda.sort(function (a, b) {
158          if (izbor == "price-asc") {
159            return a.price.new - b.price.new;
160          }
161          if (izbor == "price-desc") {
162            return b.price.new - a.price.new;
163          }
164          if (izbor == "a-z") {
165            if (a.title < b.title) {
166              return -1;
167            } else if (a.title > b.title) {
168              return 1;
169            } else {
170              return 0;
171            }
172          }
173          if (izbor == "z-a") {
174            if (a.title > b.title) {
175              return -1;
```

```javascript
165            if (a.title < b.title) {
166              return -1;
167            } else if (a.title > b.title) {
168              return 1;
169            } else {
170              return 0;
171            }
172          }
173          if (izbor == "z-a") {
174            if (a.title > b.title) {
175              return -1;
176            } else if (a.title < b.title) {
177              return 1;
178            } else {
179              return 0;
180            }
181          }
182        });
183      }
184      return sortiraniProizvodi;
185    }
186
```

```javascript
//filtriranje brend
function filtriranjeBrend(nizProizvoda) {
  let filtriraniNiz = [];
  let nizCekiranih = [];
  for (let c of document.querySelectorAll(".cbnBrend")) {
    if (c.checked) {
      nizCekiranih.push(parseInt(c.value));
    }
  }
  if (nizCekiranih.length > 0) {
    filtriraniNiz = nizProizvoda.filter((x) =>
      nizCekiranih.includes(x.idBrend)
    );
  } else {
    filtriraniNiz = nizProizvoda;
  }

  return filtriraniNiz;
}


//filtriranje cellular
function filtriranjeCellular(nizProizvoda) {
  let filtriraniNiz = [];
  let nizCekiranih = [];
  for (let c of document.querySelectorAll(".cbnCellular")) {
    if (c.checked) {
      nizCekiranih.push(parseInt(c.value));
    }
  }
  if (nizCekiranih.length > 0) {
    filtriraniNiz = nizProizvoda.filter((x) =>
      nizCekiranih.includes(x.idCellular)
    );
  } else {
    filtriraniNiz = nizProizvoda;
  }

  return filtriraniNiz;
}
```

```javascript
226
227    //filtriranje market/region
228    function filtriranjeMarket(nizProizvoda) {
229      let filtriraniNiz = [];
230      let nizCekiranih = [];
231      for (let c of document.querySelectorAll(".cbnMarket")) {
232        if (c.checked) {
233          nizCekiranih.push(parseInt(c.value));
234        }
235      }
236      if (nizCekiranih.length > 0) {
237        filtriraniNiz = nizProizvoda.filter((x) =>
238          nizCekiranih.includes(x.idRegion)
239        );
240      } else {
241        filtriraniNiz = nizProizvoda;
242      }
243
244      return filtriraniNiz;
245    }
246  }
247
```

```javascript
247
248  //Ispis nav
249  ajax("data/nav.json", "nav");
250  let nav = dohvatiLocal("nav");
251
252  function ispisNav(data) {
253    let ispis = "<ul class='navbar-nav ms-auto'>";
254    for (let obj of data) {
255      ispis += `<li class="nav-item ms-4">          let obj: any
256                <a class="nav-link" href="${obj.href}">${obj.tekst}</a>
257            </li>`;
258    }
259    ispis += `<a href='cart.html' class='btn  text-light ms-0 ms-lg-3'>
260                <i class='fa-solid fa-cart-shopping'></i>
261                <span id='cartItemsCounter'>${brojProizvoda()}</span>
262          </a>
263        </ul>`;
264    document.querySelector("#navbarNav").innerHTML = ispis;
265  }
266  ispisNav(nav);
267
268  //dinamicka godina footer
269  document.querySelector("#god").innerHTML = new Date().getFullYear();
270
```

```javascript
270
271   //CART
272   function addToCart(id) {
273     let korpaProizvodi = dohvatiLocal("korpaProizvodi");
274     if (korpaProizvodi) {
275       if (proizvodPostoji()) {
276         povecaj();
277       } else {
278         dodajUKorpu();
279         ispisNav(dohvatiLocal("nav"));
280       }
281     } else {
282       dodajPrvi();
283       ispisNav(dohvatiLocal("nav"));
284     }
285     //Dodavanje prvog proizvoda , samo u slucaju da je korpa bila skroz prazna !
286     function dodajPrvi() {
287       let nizPr = [];
288       nizPr[0] = {
289         id: id,
290         kolicina: 1,
291       };
292       setujLocal("korpaProizvodi", nizPr);
293     }
294
```

```javascript
294
295     //Provera da li dodajemo novi proizvod ili samo povecavamo kolicinu
296     function proizvodPostoji() {
297       return korpaProizvodi.find((a) => a.id == id); //vraca undefined ako ne postoji
298     }
299
300     //Povecavanje kolicine
301     function povecaj() {
302       let pr = dohvatiLocal("korpaProizvodi");
303       let item = pr.find((a) => a.id == id);
304       item.kolicina++;
305       setujLocal("korpaProizvodi", pr);
306     }
307
308     //Dodavanje novog proizvoda
309     function dodajUKorpu() {
310       //a
311       let pr = dohvatiLocal("korpaProizvodi");
312       let obj = {
313         id: id,
314         kolicina: 1,
315       };
316       pr.push(obj);
317       setujLocal("korpaProizvodi", pr);
318     }
319   }
```

```javascript
    if (url == "/cart.html") {
      //ispis prozivoda
      function ispisKorpa() {
        let prKorpa = dohvatiLocal("korpaProizvodi");
        let pr = dohvatiLocal("proizvodi");
        let ispis = `<div class="d-flex justify-content-between align-items-center mb-4">
                        <h3 class="fw-normal mb-0 text-black">Shopping Cart</h3>
                      </div>`;

        if (prKorpa.length) {
          for (let p of prKorpa) {
            let obj = pr.find((a) => a.id == p.id);
            ispis += `
                        <div class="card rounded-3 mb-4">
                        <div class="card-body p-4">
                          <div
                            class="row d-flex justify-content-between align-items-center"
                          >
                            <div class="col-md-2 col-lg-2 col-xl-2">
                              <img
                                src="${obj.image.src}"
                                class="img-fluid rounded-3"
                                alt="${obj.image.alt}"
                              />
                            </div>
                            <div class="col-md-3 col-lg-3 col-xl-3">
                              <p class="lead fw-normal mb-2">${obj.title}</p>
```

```javascript
                            <div class="col-md-3 col-lg-3 col-xl-3">
                              <p class="lead fw-normal mb-2">${obj.title}</p>
                              <p>
                                <span class="text-muted"> Region: ${obrada(
                                  obj.idRegion,
                                  market
                                )}</span>
                                <p class="text-muted"> Cellular: ${obrada(
                                  obj.idCellular,
                                  cellular
                                )}</p>
                              </p>
                            </div>
                            <div class="col-md-3 col-lg-3 col-xl-2 d-flex">


                              <input
                                id="kol"

                                data-id='${p.id}'
                                name="quantity"
                                value="Quantity: ${p.kolicina}"
                                type="text"
                                class="form-control form-control-sm kol"
                                readonly
                              />
```

```
                                        </div>
                                        <div class="col-md-3 col-lg-2 col-xl-2 offset-lg-1">
                                            <h5 class="mb-0">$${(
                                                obj.price.new * p.kolicina
                                            ).toFixed(2)}</h5>
                                        </div>
                                        <div class="col-md-1 col-lg-1 col-xl-1 text-end">
                                            <button data-id='${
                                                obj.id
                                            }' class="btn text-danger btnBrisi">
                                            <i class="fas fa-trash fa-lg"></i>
                                            </button>
                                        </div>
                                    </div>
                                </div>
                            </div>
                            `;
        }
        ispis += `<div class="card">
        <div class="card-body">
            <button type="button" class="btn boja btn-block btn-lg">
                Proceed to Pay
            </button>
        </div>
    </div>`;
```

```
                Proceed to Pay
            </button>
        </div>
    </div>`;
    } else {
        ispis = `<h1>Cart is empty</h1>`;
    }

    document.querySelector("#ispisKart").innerHTML = ispis;

    //Brisanje iz korpe
    const sviBtnBrisi = Array.from(document.querySelectorAll(".btnBrisi"));
    console.log(sviBtnBrisi);

    for (let btn of sviBtnBrisi) {
        btn.onclick = () => {
            let id = btn.getAttribute("data-id");
            let prKorpa = dohvatiLocal("korpaProizvodi");
            let index = prKorpa.indexOf(prKorpa.find((a) => a.id == id));
            prKorpa.splice(index, 1);
            setujLocal("korpaProizvodi", prKorpa);
            ispisKorpa();
            ispisNav(dohvatiLocal("nav"));
        };
    }
```

```javascript
419    }
420      //Fix footera da se ne raspada veliki i srednji ekrani
421      if (prKorpa.length < 3) {
422        document.getElementById("footer").classList.add("fix");
423      } else {
424        document.getElementById("footer").classList.remove("fix");
425      }
426
427      //Fix footera mobile
428      if (prKorpa.length < 1) {
429        document.getElementById("footer").classList.add("fixx");
430      } else {
431        document.getElementById("footer").classList.remove("fixx");
432      }
433    }
434    ispisKorpa();
435  }
```

```javascript
435  }
436  function brojProizvoda() {
437    if (dohvatiLocal("korpaProizvodi")) {
438      return dohvatiLocal("korpaProizvodi").length;
439    } else {
440      return "0";
441    }
442  }
443  brojProizvoda();
444
445  function obrada(id, niz) {
446    for (let r of niz) {
447      if (r.id == id) {
448        return r.naziv;
449      }
450    }
451  }
452
```

```
452
453    if (url == "/contact-us.html") {
454      let br;
455      //Funkcija provera
456      function proveri(ime, regex) {
457        // let regex = /^[A-Z][a-z]{2,19}$/;
458        if (regex.test(ime)) {
459          return true;
460        } else {
461          return false;
462        }
463      }
464
465      //Funkcija provera imena
466      function proveriIme() {
467        if (proveri(ime.value, /^[A-Z][a-z]{2,19}$/)) {
468          ime.classList.remove("border");
469          ime.classList.remove("border-danger");
470        } else {
471          ime.classList.add("border");
472          ime.classList.add("border-danger");
473          br++;
474        }
475      }
476
```

```
476
477      //Funkcija proveri email
478      function proveriEmail() {
479        if (
480          proveri(
481            email.value,
482            /^[a-zA-Z0-9.!#$%&'*+/=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*$/
483          )
484        ) {
485          email.classList.remove("border");
486          email.classList.remove("border-danger");
487        } else {
488          email.classList.add("border");
489          email.classList.add("border-danger");
490          br++;
491        }
492      }
493
```

```javascript
//Funkcija proveri ddl
function proveriDdl() {
  let id = ddl.options[ddl.selectedIndex].value;
  if (id == "0") {
    ddl.classList.add("border");
    ddl.classList.add("border-danger");
    br++;
  } else {
    ddl.classList.remove("border");
    ddl.classList.remove("border-danger");
  }
}

//Funkcija proveri msg
function proveriMsg() {
  if (msg.value.length < 10) {
    msg.classList.add("border");
    msg.classList.add("border-danger");
    br++;
  } else {
    msg.classList.remove("border");
    msg.classList.remove("border-danger");
  }
}

//Funkcija proveri checkbox
function proveriChb() {
  if (box.checked) {
    document.querySelector(".polisa").classList.remove("border");
    document.querySelector(".polisa").classList.remove("border-danger");
  } else {
    document.querySelector(".polisa").classList.add("border");
    document.querySelector(".polisa").classList.add("border-danger");
    br++;
  }
}
```

```javascript
      //Ime onBlur
      const ime = document.querySelector("#firstName");
      ime.onblur = () => {
        proveriIme();
      };
      //Provera email-a
      const email = document.querySelector("#email");
      email.onblur = () => {
        proveriEmail();
      };
      //Provera DDL region
      const ddl = document.querySelector("#ddl");
      ddl.onchange = () => {
        proveriDdl();
      };
      //Provera msg
      const msg = document.querySelector("#msg");
      msg.onblur = () => {
        proveriMsg();
      };
      //Provera checkbox-a
      const box = document.querySelector("#chb");
      box.onclick = () => {
        proveriChb();
      };
```

```javascript
      //Provera klikom na dugme
      const btn = document.querySelector("#btnS");
      btn.onclick = (e) => { …
      };
    }

    if (url == "/index.html") {
      var div = document.querySelector("#trending");
      ajax("data/trending.json", "trending");
      var trending = dohvatiLocal("trending");

      function ispisTrending(data) {
        let ispis = "";
        for (let obj of data) {
          ispis += `
          <div class="box">
          <img src="${obj.image.src}" class="img-fluid" alt='${obj.image.alt}'/>
          </div>
          `.
        }                   var div: Element | null
        div.innerHTML = ispis;
      }
      ispisTrending(trending);
    }
```

3.3 JSON-I

3.3.1 brends.json

```json
[
  {
    "id": 1,
    "naziv": "Samsung"
  },
  {
    "id": 2,
    "naziv": "Xiaomi"
  },
  {
    "id": 3,
    "naziv": "Apple"
  },
  {
    "id": 4,
    "naziv": "Huawei"
  }
]
```

3.3.2 nav.json

```json
[
  {
    "href": "index.html",
    "tekst": "Home"
  },
  {
    "href": "shop.html",
    "tekst": "Shop"
  },
  {
    "href": "contact-us.html",
    "tekst": "Contact us"
  },
  {
    "href": "dokumentacija.pdf",
    "tekst": "Documentation"
  },
  {
    "href": "author.html",
    "tekst": "Author"
  }
]
```

3.3.3 cellular.json

```json
[
  {
    "id": 1,
    "naziv": "3G"
  },
  {
    "id": 2,
    "naziv": "4G"
  },
  {
    "id": 3,
    "naziv": "5G"
  }
]
```

3.3.4 market.json

```json
[
  {
    "id": 1,
    "naziv": "Europe"
  },
  {
    "id": 2,
    "naziv": "USA"
  },
  {
    "id": 3,
    "naziv": "China"
  }
]
```

3.3.5 sort.json

```json
[
  {
    "value": "default",
    "naziv": "Default"
  },
  {
    "value": "a-z",
    "naziv": "Name A-Z"
  },
  {
    "value": "z-a",
    "naziv": "Name Z-A"
  },
  {
    "value": "price-asc",
    "naziv": "Price Ascending"
  },
  {
    "value": "price-desc",
    "naziv": "Price Descending"
  }
]
```

3.3.6 trending.json

```json
[
  {
    "id": 1,
    "image": {
      "src": "img/ajfon14pro.png",
      "alt": "Iphone 14 pro"
    }
  },
  {
    "id": 2,
    "image": {
      "src": "img/huaweip50pocket.png",
      "alt": "Huawei P50 Pocket"
    }
  },
  {
    "id": 3,
    "image": {
      "src": "img/ajfon12.png",
      "alt": "Iphone 12"
    }
  },
  {
    "id": 4,
    "image": {
      "src": "img/xiaomi12.webp",
      "alt": "Xiaomi 12"
    }
  }
]
```

3.3.7 products.json

Slikana su samo 3 od 12 proizvoda

```json
[
  {
    "id": 1,
    "title": "Huawei 10 Pro",
    "image": {
      "src": "img/huawei10pro.png",
      "alt": "Huawei 10 Pro"
    },
    "price": {
      "old": null,
      "new": 899.99
    },
    "idBrend": 4,
    "idCellular": 2,
    "idRegion": 3
  },
  {
    "id": 2,
    "title": "Iphone 12",
    "image": {
      "src": "img/ajfon12.png",
      "alt": "Iphone 12"
    },
    "price": {
      "old": null,
      "new": 799.99
    },
    "idBrend": 3,
    "idCellular": 2,
    "idRegion": 2
  },
  {
    "id": 3,
    "title": "Huawei P50 Pocket",
    "image": {
      "src": "img/huaweip50pocket.png",
      "alt": "Huawei P50 Pocket"
    },
    "price": {
      "old": null,
      "new": 1299.99
    },
    "idBrend": 4,
    "idCellular": 3,
    "idRegion": 1
```