VISOKA ICT SKOLA Zdravka Celara 16 Beograd

DOKUMENTACIJA

Web programiranje 2

Webio Shop

https://webio-web2.000webhostapp.com/

Nevena Nikolic 174/21

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UVOD

1.1 Korisceni programski jezici

Za izradu sajta, korisceni su sledeci jezici:

- > Html
- > CSS
- > Javascript
- > iQuery
- > XML
- > JSON
- Regex

Svi navedeni jezici, biblioteke I framework-ovi su pisani unutar Visual Studio Code okruzenja.

1.2 Opis funkcionalnosti

Sadrzaj svih stranica je mesovito ispisan. Svaka stranica sadrzi staticke i dinamicke elemente.

- **Dinamicki ispisani** elementi su:
- 1. Linkovi navigacionog menija,
- 2. Footer linkovi,
- 3. Slajder,
- 4. Proizvodi,
- 5. DropDown liste (kategorija proizvoda, brendovi, popusti, oprativni sistemi sortiranje ucitani iz eksternih JSON datoteka i LOCAL STORAGE),
- Staticki ispisani elementi su svi tekstovi informativnog karaktera koji se ne menjaju, kao I elementi forme.

Ostale funkcionalnosti:

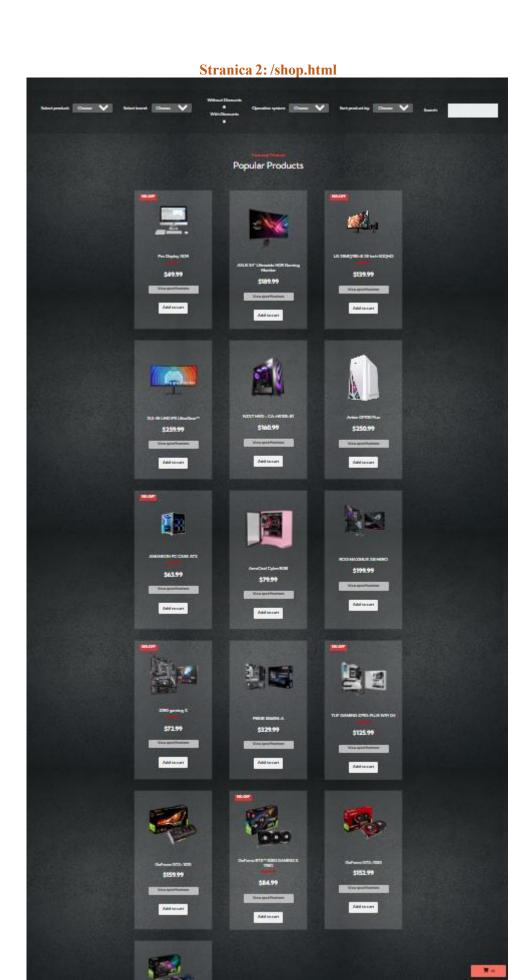
- a. Dinamicko generisanje modala za specifikacije proizvoda, koji sadrzi sve o proizvodu, kao I njegov naziv,sliku, cenu, a takodje I popust I staru cenu ukoliko ih ima.
- b. Filtriranje proizvoda po kategoriji: Monitori, Kucista, Maticne ploce, Graficke
- c. Filtriranje proizvoda po brendu: Samsung, LG, Apple, Asus
- d. Filtriranje proizvoda prema popustu: Svi proizvodi sa popustom ili bez popusta
- e. Filtriranje proizvoda prema operativnom sistemu: Windows, Linux, MacOS jedan proizvod moze da podrzi vise operativnih sistema (ali i ne mora)
- f. Filtriranje proizvoda prema pretrazi po njihovom nazivu,
- g. Sortiranje proizvoda po: ceni (rastuce, opadajuce), nazivu (rastuce, opadajuce), datumu objavljivanja(po godini).
- h. Validacija kontakt forme obrada gresaka,

- i. Svrstavanje proizvoda u korpu za porudzbinu, koja se cuva u Local Storage (dostupni na svakoj stranici).
- j. Generisanje ukupne cene proizvoda po njihovim kolicinama i cenama.

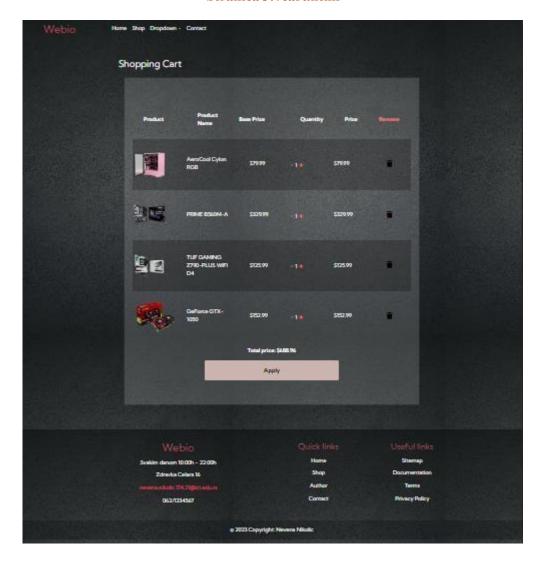
1.3 Dizajn sajta

Za izradu sajta nije koriscen Template, vec samo Bootstrap za kreiranje gotovih, responsive elemenata.

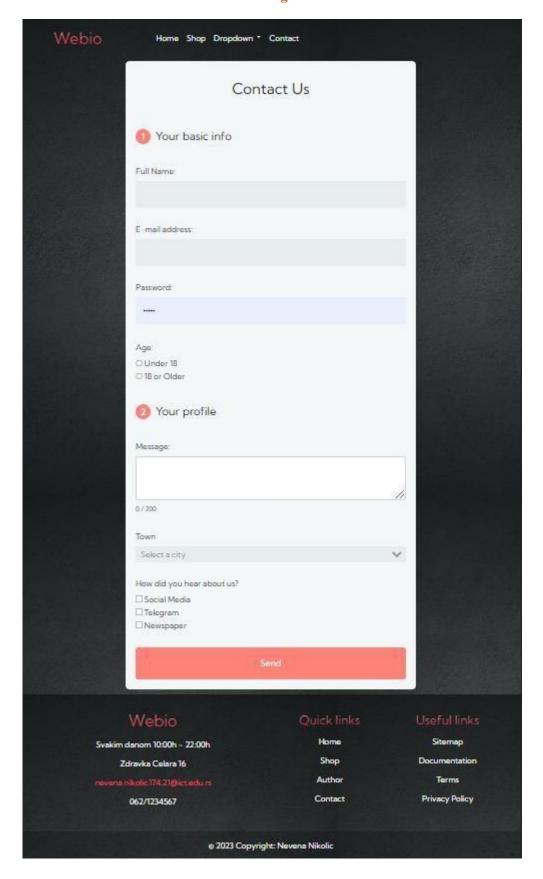
Stranica 1: /index.html WEBIO GENERATION **TECHNOLOGY** See what makes up different.



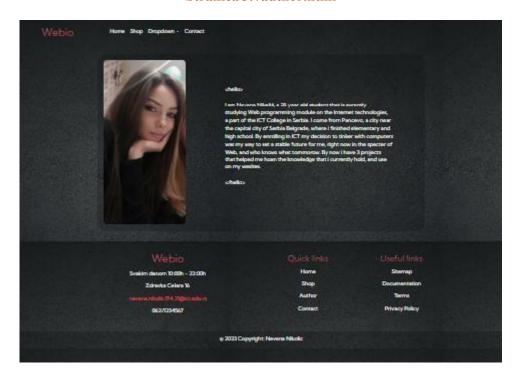
Stranica 3: /cart.html



Stranica 4: /register..html



Stranica 5: /author.html

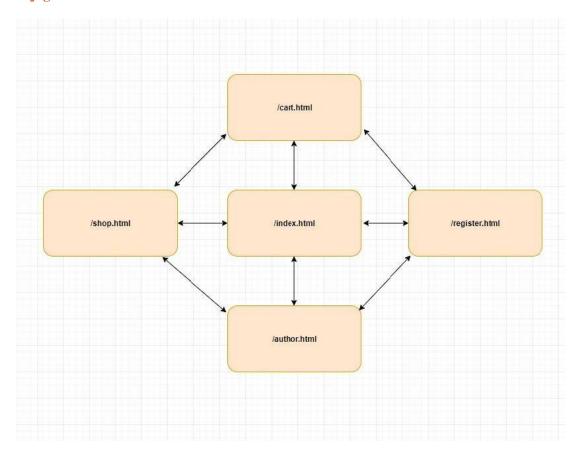


ORGANIZACIJA SAJTA

2.1 Organizacija I povezanost stranica

Sajt se sastoji iz 5 stranica, koje su medjusobno povezane. Svim stranicama se moze pristupiti iz svake stranice.

Dijagram:



2.2 Sitemap (xml)

```
<?xml version="1.0" encoding ="UTF-8"?>
<urlset xmlns = "http://www.sitemaps.org/schemas/sitemap/0.9">
<url>
   <loc>https://webio-web2.000webhostapp.com/index.html</loc>
       <lastmod>06-03-2023
       <changefreq>weakly</changefreq>
        <priority>0.8</priority>
</url>
<url>
    <loc>https://webio-web2.000webhostapp.com/shop.html</loc>
         <lastmod>06-03-2023</lastmod>
       <changefreq>daily</changefreq>
        <priority>1</priority>
</url>
<url>
    <loc>https://webio-web2.000webhostapp.com/cart.html</loc>
         <lastmod>06-03-2023</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.9</priority>
</url>
<url>
    <loc>https://webio-web2.000webhostapp.com/register.html</loc>
         <lastmod>06-03-2023</lastmod>
       <changefreq>monthly</changefreq>
       <priority>0.7</priority>
</url>
<url>
   <loc>https://webio-web2.000webhostapp.com/author.html</loc>
         <lastmod>06-03-2023</lastmod>
       <changefreq>yearly</changefreq>
        <priority>0.5</priority>
</url>
</urlset>
```

2.3 Slike stranica i opis funkcionalnosti

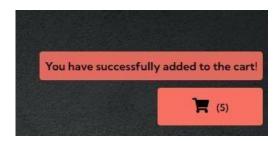
Korpa

Korpa predstavlja funkcionalnost koja omogucava korisnicima da dodaju proizvode u korpu tokom procesa kupovine. Korpa je uvek vidljiva korisniku na /shop.html stranici, omogucavajuci im da lako prate I uredjuju svoju korpu.

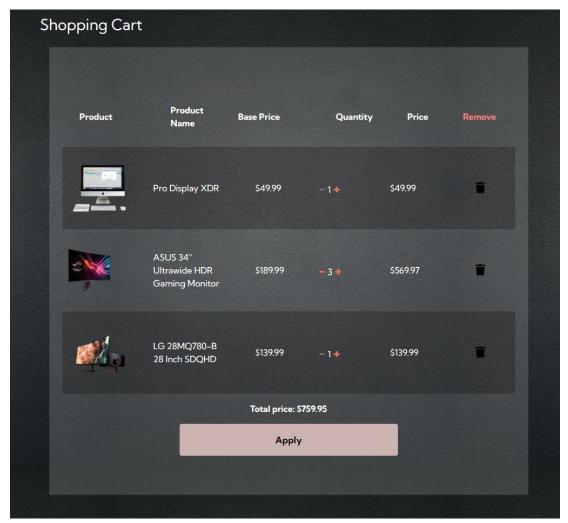
Funkcionalnost:

- Dodavanje proizvoda u korpu: korisnici mogu da dodaju proizvode u korpu sa shop.html stranice klikom na dugme "Add to cart". Kada korisnik dodaje proizvod u korpu, broj proizvoda u korpi se automatski azurira I pojavljuje mu se iznad korpe tekst da su uspesno dodali proizvod u korpu koji traje tri sekunde sa metodom fadeOut();
- 2. Uredjivanje korpe: korisnici mogu da uredjuju svoju korpu uklanjajuci proizvode koji im vise nisu potrebni ili promenom kolicine proizvoda na ikonicu i +. Ikonica za smanjenje kolicine ce se automatski disabled-ovati, ako je kolicina proizvoda u korpi 1.
- 3. Detaljan pregled korpe: korisnici mogu da pregledaju detalje svoje korpe, ukljucujuci cenu proizvoda I ukupnu cenu, kolicinu kao I opcije za promenu ili brisanje.
- 4. Proces kupovine: korisnici mogu da nastave proces kupovine klikom na "Apply" taster nakon cega ce im se prikazati Preloader sa tekstom "Please wait" i nakon njega prikazati poruka o uspesnoj potvrdi kupovine, kao i link ka stranici shop.html.
- 5. Brisanje proizvoda iz korpe: korisnici mogu da uklone proizvode iz svoje korpe ako vise nisu zainteresovani za njih ili su napravili gresku prilikom odabira proizvoda, tako sto ce obrisati sve proizvode klikom na "Remove" ili pojedinacan proizvod klikom na ikonicu kante.





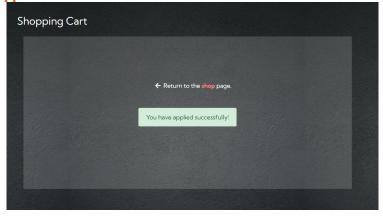
Funkcija applyOrder() - aktivira se na klik dugmeta sa ID-em "apply". Dodaje element u HTML koji prikazuje animaciju ucitavanja (preloader). Nakon sto animacija traje 3 sekunde, funkcija brise elemente iz korpe za kupovinu I iz localStorage-a, a zatim prikazuje poruku o uspesnoj poslatoj porudzbini I vraca korisnika na stranicu shop.html.



Loader:



Successfully applied:



Filtriranje i sortiranje

Filtriranje I sortiranje predstavljaju funkcionalnost koje korisnicima omogucavaju da lako pronadju zeljene proizvode na osnovu razlicitih kriterijuma. Proizvodi se filtriraju na osnovu kategorija, brendova, popusta i operativnih sistema,a sortiraju na osnovu cene (rastuce,opadajuce), naziva (rastuceg,opadajuceg) i datumu objave (godina).

> Filtriranje:

Kada korisnik zeli da filtrira proizvode, moze da odabere jednu od sledecih kategorija: monitori, kucista, maticne ploce i gracike. Kada korisnik odabere kategoriju, prikazace se samo proizvodi koji pripadaju toj kategoriji.

Korisnik moze da filtrira proizvode koriscenjem tekstualnog polja za pretragu proizvoda po njigovom nazivu (search).

Korisnik takodje moze da filtrira proizvode na osnovu brenda: LG, Asus, Apple i Samsung.

Korisnik takodje moze da filtrira proizvode na osnovu popusta. Moguce je izabrati da se prikazu samo proizvodi sa popustom (15% i 35%) ili samo proizvodi koji nemaju popust. Ovo je odradjeno sa radioButton-ima.

Konacno, korisnik moze da filtrira proizvode na osnovu operativnog sistema. Moguce je odabrati jedan od tri OS: Windows, Linux ili MacOS. Moguce je da jedan proizvod podrzava vise operativnih sistema.

> Sortiranje:

Kada korisnik izabere sortiranje na osnovu cene, proizvodi ce se prikazati po rastucoj ili opadajucoj ceni.

Kada korisnik izabere sortiranje na osnovu naziva, proizvodi ce se prikazati po rastucem ili opadajucem redosledu.

Kada korisnik izabere sortiranje na osnovu datuma objave, proizvodi ce se prikazati po godini.

*Korisnik moze da primenjuje vise kriterijuma filtriranja I sortiranja istovremeno, kako bi pronasao zeljeni proizvod ili grupu proizvoda.



U slucaju da ne postoje trazeni proizvodi, korisnik dobija obavestenje:

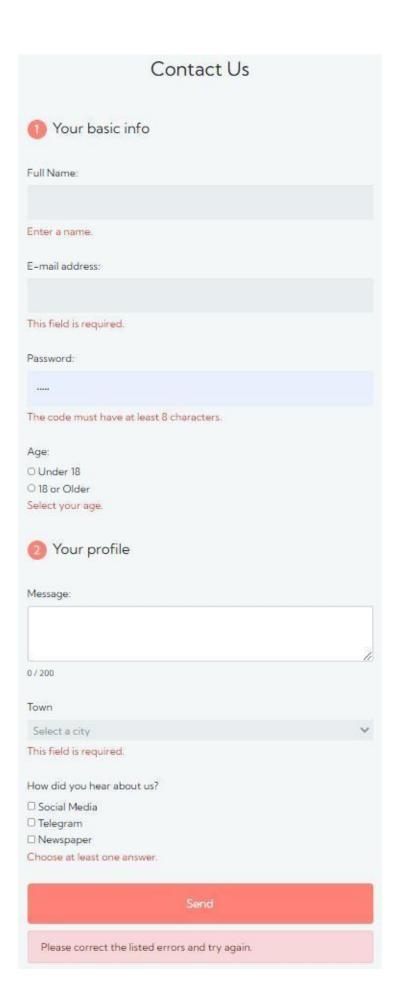


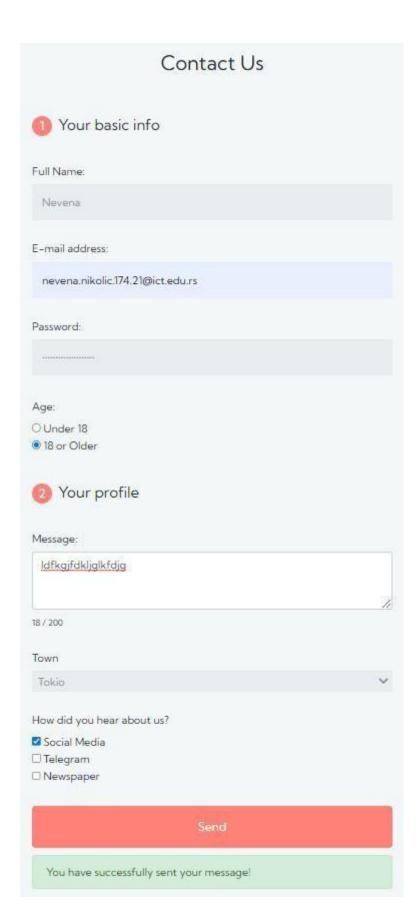
Validacija forme

Funkcija checkValidation() - obradjuje greske I proverava ispravnost forme. Ispod svakog inpua,t na dogadjaj <u>blur</u> se prikazuje poruka o gresci I to je odradjeno pomocu svojsta errorMessages(ukoliko korisnik nije uneo vrednost u polje, prikazuje se tekst "This field is required") I svojstva .invalid(proverava da li je vrednost koju je korisnik uneo u odredjenom polju u skladu sa regularnim izrazom). Puno ime, email I lozinka imaju svoje definisane regularne izraze. Podaci o inputima su ispisani u posebnoj JSON stranici: inputs.json. Takodje, u ovoj funkciji se nalaze sledece <u>ugnjezdene funkcije</u>:

- 1) Funkcija checkIfTownIsSelected() proverava da li je korisnik odabrao grad iz padajuce liste, a zatim prikazuje odgovarajucu poruku o pogresci ako grad nije odabran, pomocu metode blur.
- 2) Funkcija isButtonClicked() proverava jesu li sva obavezna polja u formi popunjena I da li je korisnik odabrao svoje godine (mladje ili starije od 18), kao I najmanje jedan odgovor izmedju ponudjenih opcija o tome kako je cuo za stranicu Webio Shop. Ako postoje prazna polja ili nedostatak, funkcija ce postaviti odgovarajucu poruku o pogresci,a ako su sva polja ispunjena, prikazace poruku o uspesnom slanju.

Funkcija numberOfCharacters() - ova funkcija se nalazi van funkcije checkVaildation(). Obradjuje textarea element koja ima brojac koji broji karaktere pri svakom keyup dogadjaju I ogranicava maksimalan broj znakova na 200.





Validna forma.

KODOVI I SINTAKSA

3.1 HTML

/index.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
    <title>Webio Shop</title>
    <meta charset="UTF-8" />
    <meta name="language" content="en"/>
    <meta name="robots" content="index, follow"/>
    <meta property="og:title" content="Home page"/>
    <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0"/>
    <meta name="description" content="This is a computer tool store."/>
    <meta name="keywords" content="computers, cases, graphics, shop,</pre>
online shop"/>
    <link rel="icon" type="image/x-icon"</pre>
href="assets/images/ikonica.png"/>
    <link rel="stylesheet"</pre>
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.m
in.css"
                           integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
                           crossorigin="anonymous"/>
    <link rel="stylesheet" href="/assets/css/style.css" />
    <link rel="stylesheet"</pre>
          href="https://use.fontawesome.com/releases/v5.14.0/css/all.cs
          integrity="sha384-
HzLeBuhoNPvS15KYnjx0BT+WB0QEEqLprO+NBkkk5gbc67FTaL7XIGa2w1L0Xbgc"
          crossorigin="anonymous"/>
href="https://fonts.googleapis.com/css2?family=Kumbh+Sans:wght@400;700&
display=swap"
          rel="stylesheet"/>
  <body>
    <div id="loading">
```

```
<div id="progress-message" style="font-weight: bolder;">Please
wait</div>
   </div>
   <nav class="navbar navbar-expand-lg navbar-light bg-light"</pre>
id="navMeni">
     <a class="navbar-brand" id="logo" href="#">Webio</a>
     <button class="navbar-toggler" type="button" id="klikNav">
       <span class="navbar-toggler-icon"></span>
     </button>
     <div class="collapse navbar-collapse"</pre>
id="navbarSupportedContent" >
       </div>
   </nav>
   <div class="position-relative overflow-hidden p-3 p-md-5 m-md-3</pre>
text-center bg-light" id="main">
     <div class="col-md-5 p-lg-5 mx-auto my-5">
       <div class="main content">
         <h1>WEBIO GENERATION</h1>
         <h2>TECHNOLOGY</h2>
         See what makes up different.
         <button class="main btn"><a href="#stilNaslova">Get
Started</a></button>
       </div>
     </div>
   </div>
   <div id="carouselExampleSlidesOnly" class="carousel slide" data-</pre>
ride="carousel">
     <div class="carousel-inner" id="carousel-inner"></div>
   </div>
   <div class="container mt-5">
     <h1 id="stilNaslova">Discover the Latest Tech Gadgets</h1>
     <div class="row">
       <div class="centar">
         <div class="card-service">
           <img class="card-img-top img-fluid"</pre>
src="assets/images/tech1.jpg" alt="Tech tehnology"/>
           <div class="card-body" style="background:</pre>
none !important;">
             <h5 class="card-title">Embrace the Latest </br>Tech
Trends</h5>
```

```
<a href="shop.html" class="btn btn-primary taster-</pre>
service">Shop</a>
            </div>
          </div>
        </div>
        <div class="centar">
          <div class="card-service">
            <img class="card-img-top img-fluid"</pre>
src="assets/images/tech2.jpg" alt="Cutting-Edge Technology"/>
            <div class="card-body" style="background:</pre>
none !important;">
              <h5 class="card-title">Check Out Our Cutting-
Edge</br>Technology</h5>
              <a href="shop.html" class="btn btn-primary taster-</pre>
service">Shop</a>
            </div>
          </div>
        </div>
     </div>
   </div>
    <section>
      <footer class="bg-secondary text-white text-center text-md-start</pre>
pozadina">
        <div class="container p-4">
          <div class="row">
            <div class="col-lg-6 col-md-12 mb-4 mb-md-</pre>
0" id="footerStil">
              <a class="navbar-brand" id="logo" href="#">Webio</a>
                Svakim danom 10:00h - 22:00h
                Zdravka Celara 16
                <a
href="#">nevena.nikolic.174.21@ict.edu.rs</a>
                062/1234567
              </div>
            <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks1"></div>
            <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks2"></div>
          </div>
        </div>
        <div class="text-center p-3" style="background-color: rgba(0, 0,0)</pre>
0.2);">
         © 2023 Copyright:
          <a class="text-white">Nevena Nikolic</a>
        </div>
      </footer>
```

```
</section>
  <button id="top-arrow" style="display: block;">
      <img src="assets/images/up-arrow.png" alt="arrow">
  </button>
```

```
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"</pre>
integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.
js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.
js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
    <script src="https://code.jquery.com/jquery-3.6.3.min.js"</pre>
integrity="sha256-pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxg0cBQBXU="
crossorigin="anonymous"></script>
    <script src="assets/js/ajax.js"></script>
 </body>
</html>
```

/shop.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Webio Shop</title>
   <meta charset="UTF-8" />
   <meta name="language" content="en"/>
   <meta name="robots" content="index, follow"/>
   <meta property="og:title" content="Shop page"/>
    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
   <meta name="description" content="This is a computer tool store."/>
    <meta name="keywords" content="computers, cases, graphics, shop, online</pre>
shop"/>
   <link rel="icon" type="image/x-icon" href="assets/images/ikonica.png"/>
    <link rel="stylesheet"</pre>
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
                         integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
                         crossorigin="anonymous"/>
    <link rel="stylesheet" href="/assets/css/style.css" />
    <link rel="stylesheet"</pre>
         href="https://use.fontawesome.com/releases/v5.14.0/css/all.css"
         integrity="sha384-
HzLeBuhoNPvS15KYnjx0BT+WB0QEEqLprO+NBkkk5gbc67FTaL7XIGa2w1L0Xbgc"
         crossorigin="anonymous"/>
   k
href="https://fonts.googleapis.com/css2?family=Kumbh+Sans:wght@400;700&display=s
         rel="stylesheet"/>
 </head>
 <body>
    <nav class="navbar navbar-expand-lg navbar-light bg-light" id="navMeni">
      <a class="navbar-brand" id="logo" href="#">Webio</a>
     <button class="navbar-toggler" type="button" id="klikNav">
        <span class="navbar-toggler-icon"></span>
     </button>
     <div class="collapse navbar-collapse" id="navbarSupportedContent" >
       </div>
   </nav>
     <div class="container-fluid">
       <header class="row">
         <div id="ListaKategorije"></div>
         <div id="listaBrendova"></div>
         <div id="ListaPopusta">
         </div>
         <div id="operativniSistem"></div>
```

```
<div id="Sortiranje"></div>
         <label>Search: </label>
         <input type="text" id="search" min="0" max="100" style="width:200px"/>
        </header>
       <section class="section-products">
         <div class="container">
           <div class="row justify-content-center text-center">
             <div class="col-md-8 col-lg-6">
               <div class="header">
                 <h3>Featured Product</h3>
                 <h2>Popular Products</h2>
               </div>
             </div>
           </div>
           <div class="row" id="proizvodi">
           </div>
         </div>
       </section>
     </div>
    </main>
    <section>
     <footer class="bg-secondary text-white text-center text-md-start</pre>
pozadina">
       <div class="container p-4">
         <div class="row">
           <div class="col-lg-6 col-md-12 mb-4 mb-md-0" id="footerStil">
             <a class="navbar-brand" id="logo" href="#">Webio</a>
             <l>
               Svakim danom 10:00h - 22:00h
               Zdravka Celara 16
               <a href="#">nevena.nikolic.174.21@ict.edu.rs</a>
               062/1234567
             </div>
           <div class="col-lg-3 col-md-6 mb-4 mb-md-0" id="footerLinks1"></div>
           <div class="col-lg-3 col-md-6 mb-4 mb-md-0" id="footerLinks2"></div>
         </div>
       </div>
       <div class="text-center p-3" style="background-color: rgba(0, 0, 0,</pre>
0.2);">
         © 2023 Copyright:
         <a class="text-white">Nevena Nikolic</a>
       </div>
     </footer>
   </section>
     <div id="message"></div>
     <button id="cart-block" style="display: block;">
          <a class="nav-link" href="cart.html"><i class="fas fa-shopping-</pre>
cart"></i><span id="broj-proizvoda"></span></a>
```

```
</button>
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"</pre>
integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y10Ktv3Rn7W3mgPxhU9K/ScOsAP7hUibX39j7fakFPskvXusvfa0b4O"
crossorigin="anonymous"></script>
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
    <script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-</pre>
pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxgOcBQBXU=" crossorigin="anonymous"></script>
    <script src="assets/js/ajax.js"></script>
    </body>
</html>
```

/cart.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Webio Shop</title>
    <meta charset="UTF-8" />
    <meta name="language" content="en"/>
    <meta name="robots" content="index, follow"/>
    <meta property="og:title" content="Cart page"/>
    <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0"/>
    <meta name="description" content="This is a computer tool store."/>
    <meta name="keywords" content="computers, cases, graphics, shop,</pre>
online shop"/>
    <link rel="icon" type="image/x-icon"</pre>
href="assets/images/ikonica.png"/>
    <link rel="stylesheet"</pre>
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.m
in.css"
                          integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
                          crossorigin="anonymous"/>
    <link rel="stylesheet" href="/assets/css/style.css" />
    <link rel="stylesheet"</pre>
          href="https://use.fontawesome.com/releases/v5.14.0/css/all.cs
          integrity="sha384-
HzLeBuhoNPvSl5KYnjx0BT+WB0QEEqLprO+NBkkk5gbc67FTaL7XIGa2w1L0Xbgc"
          crossorigin="anonymous"/>
    link
href="https://fonts.googleapis.com/css2?family=Kumbh+Sans:wght@400;700&
display=swap"
          rel="stylesheet"/>
  </head>
  <body>
    <nav class="navbar navbar-expand-lg navbar-light bg-light"</pre>
id="navMeni">
      <a class="navbar-brand" id="logo" href="#">Webio</a>
      <button class="navbar-toggler" type="button" id="klikNav">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse"</pre>
id="navbarSupportedContent" >
        </div>
    </nav>
    <section class="h-100" >
```

```
<div class="container h-100 py-5">
        <div class="row d-flex justify-content-center align-items-</pre>
center h-100">
          <div class="col-10">
            <div class="d-flex justify-content-between align-items-</pre>
center mb-4">
              <h3 class="fw-normal mb-0 text-black" style="color:</pre>
#fff;">Shopping Cart</h3></div>
              <div class="card rounded-3 mb-4">
                <div class="card-body p-4">
                  <div class="row d-flex justify-content-between align-</pre>
items-center">
                    <div class="table-responsive" >
                      <div class="ads-grid py-sm-5 py-4">
                         <div class="container" id="content"></div>
                         <div class="container">
                           <div class="row">
                             <div class="col-sm-12 col-md-6 offset-md-</pre>
3">
                               <div class="text-center">
                                 <div id="cart-sum"></div>
                                 <div id="apply"></div>
                               </div>
                             </div>
                           </div>
                         </div>
                         </div>
                      </div>
                    </div>
                  </div>
                </div>
              </div>
            </div>
          </div>
      </section>
      <section>
        <footer class="bg-secondary text-white text-center text-md-</pre>
start pozadina">
          <div class="container p-4">
            <div class="row">
              <div class="col-lg-6 col-md-12 mb-4 mb-md-</pre>
0" id="footerStil">
                <a class="navbar-brand" id="logo" href="#">Webio</a>
                  Svakim danom 10:00h - 22:00h
                  Zdravka Celara 16
                  <a
href="#">nevena.nikolic.174.21@ict.edu.rs</a>
```

```
062/1234567
                </div>
              <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks1"></div>
              <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks2"></div>
            </div>
          </div>
          <div class="text-center p-3" style="background-color: rgba(0,</pre>
0, 0, 0.2);">
            © 2023 Copyright:
            <a class="text-white">Nevena Nikolic</a>
          </div>
        </footer>
      </section>
    <button id="top-arrow" style="display: block;">
      <img src="assets/images/up-arrow.png" alt="arrow">
  </button>
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"</pre>
integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.
js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.
js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
    <script src="https://code.jquery.com/jquery-3.6.3.min.js"</pre>
integrity="sha256-pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxgOcBQBXU="
crossorigin="anonymous"></script>
    <script src="assets/js/ajax.js"></script>
  </body>
</html>
```

/register.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Webio Shop</title>
    <meta charset="UTF-8" />
    <meta name="language" content="en"/>
    <meta name="robots" content="index, follow"/>
    <meta property="og:title" content="Register page"/>
    <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0"/>
    <meta name="description" content="This is a computer tool store."/>
    <meta name="keywords" content="computers, cases, graphics, shop,</pre>
online shop"/>
    <link rel="icon" type="image/x-icon"</pre>
href="assets/images/ikonica.png"/>
    <link rel="stylesheet"</pre>
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.m
in.css"
                          integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
                          crossorigin="anonymous"/>
    <link rel="stylesheet" href="/assets/css/style.css" />
    <link rel="stylesheet"</pre>
          href="https://use.fontawesome.com/releases/v5.14.0/css/all.cs
          integrity="sha384-
HzLeBuhoNPvS15KYnjx0BT+WB0QEEqLprO+NBkkk5gbc67FTaL7XIGa2w1L0Xbgc"
          crossorigin="anonymous"/>
    link
href="https://fonts.googleapis.com/css2?family=Kumbh+Sans:wght@400;700&
display=swap"
          rel="stylesheet"/>
  </head>
  <body>
    <nav class="navbar navbar-expand-lg navbar-light bg-light"</pre>
id="navMeni">
      <a class="navbar-brand" id="logo" href="#">Webio</a>
      <button class="navbar-toggler" type="button" id="klikNav">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse"</pre>
id="navbarSupportedContent" >
        </div>
    </nav>
      <form id="form" class="mx-md-auto">
```

```
<h1 style="font-size: 30px; padding: 1.8rem;">Contact Us</h1>
        <fieldset>
          <legend><span class="number">1</span> Your basic
info</legend>
          <label for="ime">Full Name:</label>
          <input type="text" class="form-control" id="ime" >
          <small class="text-danger tekst1" id="ime-error"></small>
          <label for="email">E-mail address:</label>
              <input type="email" class="form-control" id="email">
              <small class="text-danger tekst1" id="email-</pre>
error"></small>
              <label for="password">Password:</label>
              <input type="password" id="password" name="user_password"</pre>
value="">
              <small class="text-danger tekst1" id="password-</pre>
error"></small>
              <label>Age:</label>
              <input type="radio" id="under_18" value="under_18"</pre>
name="user age"><label for="under 18" class="light">Under
18</label><br>
              <input type="radio" id="over 18" value="over 18"</pre>
name="user_age"><label for="over_18" class="light">18 or Older</label>
            </fieldset>
            <small class="text-danger tekst1" id="age-error"></small>
        <fieldset>
          <legend class="tekst2"><span class="number">2</span> Your
profile</legend>
          <label for="poruka">Message:</label>
          <textarea class="form-control" id="poruka"</pre>
rows="3"></textarea>
          <small id="charCount">0 / 200</small>
          <label for="grad">Town</label>
          <select class="form-control" id="grad">
              <option value="">Select a city</option>
              <option value="Zagreb">Paris</option>
              <option value="Split">New York</option>
              <option value="Rijeka">London</option>
              <option value="Osijek">Tokio</option>
          </select>
          <small class="text-danger tekst1" id="grad-error"></small>
          <label>How did you hear about us?</label>
```

```
<input type="checkbox" id="development"</pre>
value="interest_development" name="user_interest"><label class="light"</pre>
for="development">Social Media</label><br>
          <input type="checkbox" id="design" value="interest_design"</pre>
name="user_interest"><label class="light"</pre>
for="design">Telegram</label><br>
          <input type="checkbox" id="business"</pre>
value="interest_business" name="user_interest"><label class="light"</pre>
for="business">Newspaper</label>
        </fieldset>
        <small class="text-danger tekst1" id="interests-error"></small>
        <button type="submit" class="btn btn-primary" id="submit-</pre>
btn">Send</button>
        <small class="text-danger tekst1" id="poruke-o-</pre>
greskama"></small>
        <div class="alert alert-danger" id="error-message"</pre>
style="display:none;">
          Please correct the listed errors and try again.
        </div>
        <div class="alert alert-success" id="success-message"</pre>
style="display:none;">
          You have successfully sent your message!
        </div>
      </form>
        <footer class="bg-secondary text-white text-center text-md-</pre>
start pozadina">
          <div class="container p-4">
            <div class="row">
              <div class="col-lg-6 col-md-12 mb-4 mb-md-
0" id="footerStil">
                <a class="navbar-brand" id="logo" href="#">Webio</a>
                  Svakim danom 10:00h - 22:00h
                  Zdravka Celara 16
                  <a
href="#">nevena.nikolic.174.21@ict.edu.rs</a>
                  062/1234567
                </div>
              <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks1"></div>
              <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks2"></div>
            </div>
          </div>
```

```
<div class="text-center p-3" style="background-color: rgba(0,</pre>
0, 0, 0.2);">
            © 2023 Copyright:
            <a class="text-white">Nevena Nikolic</a>
          </div>
        </footer>
      </section>
      <button id="top-arrow" style="display: block;">
        <img src="assets/images/up-arrow.png" alt="arrow">
    </button>
      <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"</pre>
integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
      <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.
js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
      <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.
is" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
      <script src="https://code.jquery.com/jquery-3.6.3.min.js"</pre>
integrity="sha256-pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxg0cBQBXU="
crossorigin="anonymous"></script>
      <script src="assets/js/ajax.js"></script>
    </body>
  </html>
```

/author.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Webio Shop</title>
    <meta charset="UTF-8" />
    <meta name="language" content="en"/>
    <meta name="robots" content="noindex">
    <meta property="og:title" content="Author page"/>
    <meta name="author" content="Nevena Nikolic">
    <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0"/>
    <meta name="description" content="This is a computer tool store."/>
    <meta name="keywords" content="computers, cases, graphics, shop,</pre>
online shop"/>
    <link rel="icon" type="image/x-icon"</pre>
href="assets/images/ikonica.png"/>
    <link rel="stylesheet"</pre>
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.m
in.css"
                          integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
                           crossorigin="anonymous"/>
    <link rel="stylesheet" href="/assets/css/style.css" />
    <link rel="stylesheet"</pre>
          href="https://use.fontawesome.com/releases/v5.14.0/css/all.cs
          integrity="sha384-
HzLeBuhoNPvS15KYnjx0BT+WB0QEEqLprO+NBkkk5gbc67FTaL7XIGa2w1L0Xbgc"
          crossorigin="anonymous"/>
    link
href="https://fonts.googleapis.com/css2?family=Kumbh+Sans:wght@400;700&
display=swap"
          rel="stylesheet"/>
  </head>
  <body>
    <nav class="navbar navbar-expand-lg navbar-light bg-light"</pre>
id="navMeni">
      <a class="navbar-brand" id="logo" href="#">Webio</a>
      <button class="navbar-toggler" type="button" id="klikNav">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse"</pre>
id="navbarSupportedContent" >
        </div>
    </nav>
```

```
<div class="row">
       <div class="center-block">
           <img src="/assets/images/autor.jpg" alt="Author" id="img-</pre>
autor">
               <div class="row-block">&#60;hello&#62;
                    I am Nevena Nikolić, a 23 year old student that
is curently<br> studying
                       Web programming module on the Internet
technologies, <br>a part of the ICT College in Serbia.
                        I come from Pancevo, a city near<br> the
capital city of Serbia Belgrade, where i finished
                        elementary and <br/>br>high school. By enrolling
in ICT my decision to tinker with computers <br>was
                       my way to set a stable future for me, right now
in the specter of <br>Web, and who knows what
                       tommorow. By now i have 3 projects </br>
helped me hoan the knowledge that i currently hold,
                       and use </br> on my wesites.<br> <br>>
</hello&#62;
                   </div>
         </div>
     </div>
      <section>
       <footer class="bg-secondary text-white text-center text-md-</pre>
start pozadina">
         <div class="container p-4">
           <div class="row">
             <div class="col-lg-6 col-md-12 mb-4 mb-md-</pre>
0" id="footerStil">
               <a class="navbar-brand" id="logo" href="#">Webio</a>
                 Svakim danom 10:00h - 22:00h
                 Zdravka Celara 16
                 <a
href="#">nevena.nikolic.174.21@ict.edu.rs</a>
                 062/1234567
               </div>
             <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks1"></div>
             <div class="col-lg-3 col-md-6 mb-4 mb-md-0"</pre>
id="footerLinks2"></div>
           </div>
         </div>
         <div class="text-center p-3" style="background-color: rgba(0,</pre>
```

```
© 2023 Copyright:
            <a class="text-white">Nevena Nikolic</a>
          </div>
        </footer>
  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"</pre>
integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.
js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
 <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.
js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
 <script src="https://code.jquery.com/jquery-3.6.3.min.js"</pre>
integrity="sha256-pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxgOcBQBXU="
crossorigin="anonymous"></script>
  <script src="assets/js/ajax.js"></script>
</body>
</html>
```

3.2 CSS

style.css

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;
600;700&display=swap');
body.dark .home .text{ colo
  r: var(--text-color);
:root{
  /* ===== Colors ===== */
 --body-color: #E4E9F7;
  --sidebar-color: #FFF;
  --primary-color: #695CFE;
  --primary-color-light: #F6F5FF;
  --toggle-color: #DDD;
  --text-color: #707070;
  /* ===== Transition ===== */
  --tran-03: all 0.2s ease;
  --tran-03: all 0.3s ease;
  --tran-04: all 0.3s ease;
  --tran-05: all 0.3s ease;
body{
 min-height: 100vh;
 background-color: var(--body-color);
 transition: var(--tran-05);
::selection{
  background-color: var(--primary-color);
 color: #fff;
body.dark{
 --body-color: #18191a;
 --sidebar-color: #242526;
  --primary-color: #3a3b3c;
  --primary-color-light: #3a3b3c;
 --toggle-color: #fff;
  --text-color: #ccc;
 box-sizing: border-box;
 margin: 0;
 padding: 0;
  font-family: 'Kumbh Sans', sans-serif;
```

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&d
isplay=swap');
body.dark .home .text{ colo
  r: var(--text-color);
:root{
  --body-color: #E4E9F7;
  --sidebar-color: #FFF;
  --primary-color: #695CFE;
  --primary-color-light: #F6F5FF;
  --toggle-color: #DDD;
  --text-color: #707070;
  --tran-03: all 0.2s ease;
  --tran-03: all 0.3s ease;
  --tran-04: all 0.3s ease;
  --tran-05: all 0.3s ease;
body{
 min-height: 100vh;
  background-color: var(--body-color);
  transition: var(--tran-05);
::selection{
  background-color: var(--primary-color);
  color: #fff;
body.dark{
  --body-color: #18191a;
  --sidebar-color: #242526;
  --primary-color: #3a3b3c;
  --primary-color-light: #3a3b3c;
  --toggle-color: #fff;
  --text-color: #ccc;
  box-sizing: border-box;
 margin: 0;
  padding: 0;
  font-family: 'Kumbh Sans', sans-serif;
 #loading {
   position: fixed;
   top: 0;
   left: 0;
   width: 100%;
    height: 100%;
    z-index: 999999;
```

```
background-color: #000000e3;
.loading {
  position: absolute;
  top: 50%;
  left: 50%;
 margin: 0;
  padding: 0;
  list-style: none;
  -moz-transform: translateX(-50%) translateY(-50%);
  -webkit-transform: translateX(-50%) translateY(-50%);
  transform: translateX(-50%) translateY(-50%);
  filter: url('#goo');
.loading li
 { position:
 absolute;top: 0;
 height: 10px;
 width: 10px;
  padding: 0;
  margin: 0;
  border-radius: 50%;
.loading li.pink
 { background:
 #F03;
  animation: loading-animated 3s ease-in-out infinite;
.loading li.yellow
  {background: #FF0;
  animation: loading-animated 3s ease-in-out 0.3s infinite;
.loading li.green
  {background: #0F0;
  animation: loading-animated 3s ease-in-out 0.5s infinite;
.loading li.blue
  { background:
  animation: loading-animated 3s ease-in-out 0.7s infinite;
@-webkit-keyframes loading-animated
  {0% {
    -webkit-transform: translateX(-200px) scale(0);
  50% {
   -webkit-transform: translateX(0px) scale(1.5);
  100% {
    -webkit-transform: translateX(200px) scale(0);
```

```
}
@keyframes loading-animated {
```

```
0% {
      transform: translateX(-200px) scale(0);
    50% {
      transform: translateX(0px) scale(1.5);
   100% {
      transform: translateX(200px) scale(0);
  #progress-message{
    position:absolute; top:60%; width:100%;
    font-family:Arial, Helvetica, sans-serif;
    text-transform:uppercase;
    letter-spacing:2.5px;
    font-size:10px;
    color:#fff;
    text-align:center;
    animation: blink 2s infinite;
#logo, #meniLista,
  #formular1{margin: 0px 50px;
#lista
 { border:
 none;
 background-color: #0000;
  color: #ffff;
#navMeni {
background-image: url('../images/bbbb.jpg');
margin: 0px !important;
#meniLista li a
  {color:#ffff;
#logo {
  background-color: #ff8177;
  background-image: linear-gradient(to top, #ff0844 0%, #ffb199 100%);
  background-size: 100%;
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  text-decoration: none;
  font-size: 2rem;
#main {
  color: rgb(255, 255, 255);
  /*background-color: rgb(20 20 20) !important;*/
 background-image: url('../images/bbbb.jpg');
 margin: 0px !important;
```

.main_content{

```
max-width: 100%;
.main content h1
 { font-size:
 3.7rem;
 background-color: #ff8177;
 background-image: linear-gradient(to top, #ff0844 0%, #ffb199 100%);
 background-size: 100%;
 -webkit-background-clip: text;
 -webkit-text-fill-color: transparent;
.main_content h2
 { font-size:
 3.7rem; margin-top:
 10px;
 background-color: #ff8177;
 background-image: linear-gradient(-20deg, #b721ff 0%, #21d4fd 100%);
 background-size: 100%;
 -webkit-background-clip: text;
 -webkit-text-fill-color: transparent;
.main content p
 { margin-top:
 1rem; font-size:
 2rem; font-weight:
 700;
.main__btn {
 font-size: 1rem;
 background-image: linear-gradient(to top, #f77062 0%, #fe5196 100%);
 padding: 14px 32px;
 border: none;
 border-radius: 4px;
 color: #fff;
 margin-top: 2rem;
 cursor: pointer;
 position: relative;
 transition: all 0.35s;
 outline: none;
.main_btn a
 { position:
 relative;z-index: 2;
 color: #fff;
 text-decoration: none;
.main_btn:after
 { position:
 absolute; content:
 top: 0;
```

```
left: 0;
width: 0;
height: 100%;
background: #4837ff;
```

```
transition: all 0.35s;
  border-radius: 4px;
.main__btn:hover
  {color: #fff;
.main__btn:hover:after
  {width: 100%;
.main_img--container
  {text-align: center;
#carousel-inner
 img{ width:
  50% !important; margin:
 40px auto; border-
 radius: 4px;
.centar{
 position: relative;
 margin: 0px auto;
.card-service img
  {width: 450px;
.card-title
 { position:
 absolute;top: 70px;
 left: 30px;
 color: #ffff;
 font-weight: bold;
  font-size: 25px;
taster-service
 { position:
  absolute;bottom:
 8rem:
 left: 4rem;
 width: 8rem;
  background-image: linear-gradient(to top, rgb(165 183 202) 0%, rgb(167 74 255)
100%);
 border: none;
 color: #000000;
  font-weight: bold;
 font-size: 20px;
  opacity: 0.9;
#stilNaslova{ margin:
 5rem auto;
```

```
background-color: #ff8177;
```

background-image: linear-gradient(-20deg, #b721ff 0%, #21d4fd 100%);

```
background-size: 100%;
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  font-weight: bold;
footer {
  background-image: url('../images/bbbb.jpg');
  margin: 0px !important;
footer ul
  li{ display: block;
    padding: 7px;
footer ul li a{
  color: rgb(255 65 96);
.pozadina {
  background-color: #252525 !important;
#footerLinks1, #footerLinks2
  {margin-top: 15px;
#footerLinks1 h5, #footerLinks2
    h5{background-color: #ff8177;
    background-image: linear-gradient(to top, #ff0844 0%, #ffb199 100%);
    background-size: 100%;
    -webkit-background-clip: text;
    -webkit-text-fill-color: transparent;
    text-decoration: none;
    font-size: 1.5rem;
#top-arrow {
  z-index: 99;
  right: 20px;
 width: 52px;
  height: 52px;
  bottom: 20px;
  border: none;
  outline: none;
  display: none;
  position: fixed;
  cursor: pointer;
  border-radius: 50%;
  background-color: #f77062;
.add-to-cart {
  font-weight: bold;
#cart-block
 { right: 15px;
 width: 140px;
```

```
height: 50px;
  bottom: 20px;
  border: none;
  border-radius: 4px;
  position: fixed;
  cursor: pointer;
  background-color: #f77062;
.fa-shopping-
  cart{ position:
  relative; font-size:
  20px; margin-right:
  10px;color: #000;
#cart-block span
 { color: black;
 font-size: 13px;
  font-weight: 700;
#message{ right:
  15px; bottom:
  80px;border:
  none;
  border-radius: 4px;
  position: fixed;
  cursor: pointer;
  color: white;
  background-color: #f77062e6;
  padding: 7px;
  display:none;
#message
  span{ font-size:
  15px;
  font-weight: bold;
  color: black;
/*SHOP*/
.open {
  background-color: #f9f9f9;
  color: #000;
.card{
  background-color: #efefef17;
 margin: 1rem;
.blabla{ height:
  35rem;
.bg-cart{
  background-color: #c88c8c;
```

font-weight: bold;

```
color:#000;
.card-body{
  background-color: #efefef17 !important;
  color:#ffff !important;
.section-products
 { margin-right:
 10%;
 min-width: min-content;
 width:100%;
#ddlBrend, #ddlKat, #ddlPop, #ddlSistem, #ddlSort
  {padding: 8px;
 color: #ffff;
  text-align: center;
  background-color: #808080a8;
  border-radius: 4px;
 border: none;
 width: 10rem;
#ddlBrend option, #ddlKat option, #ddlPop option, #ddlSistem option, #ddlSort
  background-color: #1e1f1fc4;
.radioButtonIzgled{
 display: flex;
 color: white;
  flex-direction: column-reverse;
 align-items: center;
 margin-left: 2rem;
.popusti{ margi
  n: 10px;
header label
  { color:#ffff;
  padding: 10px;
.myButton
 { padding: 8px;
  border-radius: 4px;
  background-color: #70707026;
 border: none;
 color: #d5752e;
  margin-bottom: 2rem;
#sidebarToggle {
  background-color: #ff8177;
  background-image: linear-gradient(to top, #ff0844 0%, #ffb199 100%);
```

background-size: 100%;

```
-webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  text-decoration: none;
  font-size: 1.4rem;
  border: none;
  margin-top: 2rem;
body {
  background-image: url('../images/bbbb.jpg');
  margin: 0px !important;
.proizvodi
  { display: flex;
  flex-wrap: wrap;
 width: 100%;
 margin: 10px auto;
 height: auto;
.section-products
 { padding: 80px 0 54px;
.section-products .header
  {margin-bottom: 50px;
.section-products .header h3
 {font-size: 1rem;
  color: #fe302f;
  font-weight: 500;
.section-products .header h2
  {font-size: 2.2rem;
  font-weight: 400;
  color: #ffff;
.section-products .single-product .part-1
  {position: relative;
 width:100%;
 height: 325px;
 max-height: 500px;
  margin-bottom: 20px;
  overflow: hidden;
section-products .single-product .part-1::before
 {position: absolute;
  content: "";
  top: 0;
  left: 0;
  width: 100%;
 height: 100%;
  z-index: -1;
  transition: all 0.3s;
```

```
.section-products .single-product:hover .part-1::before
 {transform: scale(1.2,1.2) rotate(5deg);
.section-products .part-1::before
  {transition: all 0.3s ease 0s;
 border-radius: 25px;
.section-products .discount
 {position: absolute;
 top: 15px;
 left: 20px;
 color: #ffffff;
 background-color: #fe2f2fca;
 padding: 2px 8px;
 text-transform: uppercase;
 font-size: 0.85rem;
 font-weight: bold;
.section-products .single-product .part-1 .new
 {left: 0;
 background-color: #444444;
.section-products .single-product .part-1 ul
 {position: absolute;
 bottom: -41px;
 left: 20px;
 margin: 0;
 padding: 0;
 list-style: none;
 opacity: 0;
 transition: bottom 0.5s, opacity 0.5s;
.section-products .single-product:hover .part-1 ul
 {bottom: 30px;
 opacity: 1;
.section-products .single-product .part-1 ul li
 {display: inline-block;
 margin-right: 4px;
.section-products .single-product .part-1 ul li a
 {display: inline-block;
 width: 40px;
 height: 40px;
 line-height: 40px;
 background-color: #ffffff;
 color: #444444;
 text-align: center;
 box-shadow: 0 2px 20px rgb(50 50 50 / 10%);
 transition: color 0.2s;
```

```
.section-products .single-product .part-1 ul li a:hover
  {color: #fe302f;
.part-2
 { padding:
  20px;
.section-products .single-product .part-2 .product-title
  {font-size: 1rem;
.section-products .single-product .part-2 h4
  {display: inline-block;
  font-size: 1.3rem;
.product-old-price
  {opacity: 0.7;
 color: #ed0000;
 font-weight: bolder;
 margin: 0rem;
.product-price
  { margin-top:
  20px;
.single-product img
 {margin-top: 2rem;
  max-width: 100%;
.section-products .single-product .part-2 .product-old-price::after
 {position: absolute;
  content: "";
 top: 50%;
  left: 0;
 width: 100%;
  height: 1px;
 background-color: #444444;
  transform: translateY(-50%);
main{
  /*background-color: #ffffff2e; */
 width: 100%;
 margin: 60px auto;
  font-family: sans-serif;
header ul li{
  list-style: none;
 padding: 20px;
 margin: 10px;
  float: left;
  font-size: 20px;
```

```
border-radius: 35px;
```

```
header {
  position: relative;
  display: flex;
  flex-wrap: wrap;
  -webkit-box-align: center;
  align-items: center;
  -webkit-box-pack: justify;
  justify-content: space-between;
  padding: 2rem 3rem;
  background-color: #0f0e0e30;
.specifikacija p{
  text-align-last: left;
  margin: 15px 10px;
.part-2 h5 {
   color: #9f0000 !important;
   position: absolute;
   top: 86%;
   left: 19rem;
.modalTaster{
  background-color: #bebebe !important;
  border: none;
  color: #000;
  font-size: 14px;
  font-weight: 600;
 width: 200px;
  margin: 20px auto;
#img-autor {
 width: 246px;
 height: 500px;
 border-radius: 10px;
  margin: 20px;
.center-block
  { background:
  #0f0f0f42;border-
  radius: 25px; color:
  #fff;
  display: flex;
  flex-direction: row;
 flex-wrap: wrap;
  margin: 30px auto;
row-block
  { margin:
  6rem;
```

```
#proba {
   margin: 2.8em 0 2.8em;
```

```
#proba input[type="checkbox"]
  {margin: 0 0.3rem;
#grad {
 margin: 0 0.5rem;
span {
  color:red;
'*CART*/
thead th {
 width: 100%;
  padding: 2rem;
.decreaseQty, .increaseQty{
  font-size: 25px;
   font-weight: bold;
    color: #f77062;
.decreaseQty.disabled
  {pointer-events: none;
  color: gray;
#stil{
  color:white;
.invert-
 price{ padding:
 4rem;
btn-
 remove{ borde
 r: none;
   background-color: #4d515200;
   font-size: 21px;
   padding: 4px 55px;
#cart-sum
  strong{ margin-
  top: 1rem;
#removeAll {
  text-decoration: none;
  color: #ff8177;
.timetable_sub tbody tr:nth-child(odd)
  {background-color: #08060640
.backToShop{
margin-bottom:10rem;
```

```
margin-left: 2rem;
}
.backToShop a {
```

```
text-decoration: none;
  color:#ffff;
.backToShop span {
  text-decoration: none;
  color:#ff8177;
  font-weight: bold;
#apply
  button{ margin-
 top: 1rem;border:
  none; width: 100%;
  border-radius: 4px;
  background-color: #ccb4b0;
  color: black;
  font-weight: bolder;
  font-size: 17px;
  padding: 17px;
/*CONTACT FORM*/
form {
 max-width: 580px;
 margin: 10px auto;
 padding: 10px 20px;
  background: #f4f7f8;
  border-radius: 8px;
h1 {
 margin: 0 0 30px 0;
  text-align: center;
input[type="text"],
input[type="password"],
input[type="date"],
input[type="datetime"],
input[type="email"],
input[type="number"],
input[type="search"],
input[type="tel"],
input[type="time"],
input[type="url"],
textarea,
#form select {
  background: rgba(255,255,255,0.1);
 border: none;
  font-size: 16px;
  height: auto;
 margin: 0;
  outline: 0;
  padding: 15px;
 width: 100%;
```

```
background-color: #e8eeef;
 color: #8a97a0;
 box-shadow: 0 1px 0 rgba(0,0,0,0.03) inset;
 margin-bottom: 5px;
#form input[type="radio"],
#form input[type="checkbox"] {
 margin: 0 4px 8px 0;
#form select
 { padding: 6px;
 height: 32px;
 border-radius: 2px;
#form button {
 padding: 19px 39px 18px 39px;
 color: #FFF;
 background-color: #ff8177;
 font-size: 18px;
 text-align: center;
 font-style: normal;
 border-radius: 5px;
 width: 100%;
 border: none;
 border-width: 1px 1px 3px;
 box-shadow: 0 -1px 0 rgb(255 255 255 / 10%) inset;
 margin-bottom: 10px;
 margin-top: 30px;
fieldset
 { border:
 none;
legend {
 font-size: 1.4em;
 margin-bottom: 10px;
 margin-top: 20px;
#form label
 { display: block;
 margin-bottom: 8px;
 margin-top: 30px;
#form label.light
 {font-weight: 300;
 display: inline;
.number {
 background-color: #ff8177;
 color: #fff;
 height: 30px;
```

width: 30px;

```
display: inline-block;
font-size: 0.8em;
margin-right: 4px;
line-height: 30px;
text-align: center;
text-shadow: 0 1px 0 rgba(255,255,255,0.2);
border-radius: 100%;
}
.tekst1 {font-size: 100%; color: #721c24; }
.tekst2 {padding-top: 40px;}
.izgled{
  text-align: center;
}
```

3.3 JS + AJAX

ajax.js

```
const BASEURL = 'assets/data/';
 const data = {};
 var url = window.location.pathname;
 function ajaxFetch(filePath, result) {
  $.ajax({
    url: BASEURL + filePath,
    method: "get",
    dataType: "json",
     success: result,
     error: function(xhr, ex){
       // console.log(xhr);
      var msg = '';
      if (xhr.status === 0) {
      msg = 'Not connect.\n Verify Network.';
       } else if (xhr.status == 404) {
      msg = 'Requested page not found. [404]';
       } else if (xhr.status == 500) {
      msg = 'Internal Server Error [500].';
       } else if (ex === 'parsererror')
       { msg = 'Requested JSON parse
       failed.';
       } else if (ex === 'timeout')
       {msg = 'Time out error.';
       } else if (ex === 'abort')
       { msg = 'Ajax request
       aborted.';
       } else {
      msg = 'Uncaught Error.\n' + xhr.responseText;
       console.error(msg);
  });
window.onload = function() {
  $(document).ready(function() {
    $('#loading').show();
    setTimeout(function() {
       $('#loading').fadeOut();
    }, 3000);
  });
  ajaxFetch('nav-meni.json', createNav);
  ajaxFetch('footer.json', createFooter);
  $('.navbar-
toggler').click(function(){ const BASEURL
 'assets/data/';
```

const data = {};

```
var url = window.location.pathname;
function ajaxFetch(filePath, result) {
 $.ajax({
   url: BASEURL + filePath,
   method: "get",
   dataType: "json",
   success: result,
   error: function(xhr, ex){
     // console.log(xhr);
     var msg = '';
     if (xhr.status === 0) {
     msg = 'Not connect.\n Verify Network.';
     } else if (xhr.status == 404) {
     msg = 'Requested page not found. [404]';
     } else if (xhr.status == 500) {
     msg = 'Internal Server Error [500].';
     } else if (ex === 'parsererror')
     { msg = 'Requested JSON parse
     failed.';
      } else if (ex === 'timeout')
     {msg = 'Time out error.';
     } else if (ex === 'abort')
     { msg = 'Ajax request
     aborted.';
     } else {
     msg = 'Uncaught Error.\n' + xhr.responseText;
     console.error(msg);
 });
window.onload = function() {
 $(document).ready(function() {
   $('#loading').show();
   setTimeout(function() {
     $('#loading').fadeOut();
   }, 3000);
 });
 ajaxFetch('nav-meni.json', createNav);
 ajaxFetch('footer.json', createFooter);
 $('.navbar-toggler').click(function(){
   if ($('.navbar-collapse').hasClass('show')) {
     $('.navbar-collapse').removeClass('show').toggle(500);
   } else {
     $('.navbar-collapse').addClass('show').toggle(500);
 });
 $(document).ready(() => {
   const topArrow = $("#top-arrow");
   topArrow.hide();
```

```
$(window).on("scroll", () => topArrow.toggle($(window).scrollTop() > 100));
topArrow.on("click", () => $("html,body").animate({ scrollTop: 0 }, 600));
```

```
});
 const url = window.location.pathname;
 if (url === '/' || url === '/index.html')
   {ajaxFetch("slajder.json", createSlider);
   animacijaServices();
     document.querySelector('.main btn').addEventListener("click", function()
     document.getElementById("h1").scrollIntoView();
   });
 if(url==='/register.html'){ ajaxFetch("inpu
  ts.json", checkValidation);
  numberOfCharacters();
 if (url === '/author.html') {
 if(url ==
   "/cart.html"){showData
   (); applyOrder();
 if (url === '/shop.html')
   { ajaxFetch('brands.json', result
   createDropdownList(result, 'ddlBrend', 'Select brand:', 'listaBrendova',
brend'));
   ajaxFetch('categories.json', result =>
   createDropdownList(result, 'ddlKat', 'Select product:', 'ListaKategorije',
kat'));
   ajaxFetch("discounts.json",
     function(rezultat){displaysDiscounts(rezultat)
     ; saveToLocalStorage("popusti", rezultat);
     const products = retrieveFromLocalStorage("allProducts");
   const selectedFilter = null; // nema odabranog filtera
   displaysDiscounts(products, selectedFilter);
 });
   ajaxFetch('system.json', result =>
   createDropdownList(result, 'ddlSistem', 'Operative
system:','operativniSistem', 'system'));
   ajaxFetch('sortiranje.json', result =>
   createDropdownList(result, 'ddlSort', 'Sort product by:', 'Sortiranje',
sort'));
   ajaxFetch('products.json', result =>
     { displayProducts(result);
     saveToLocalStorage("allProducts", result);
     printNumberOfProducts();
   });
   $("#search").on("input", changeFilter);
   $(document).on("change", 'input[name="popusti"]', changeFilter);
```

```
$(document).on("change", "#ddlKat", changeFilter);
```

```
$(document).on("change", "#ddlBrend", changeFilter);
    $(document).on("change", "#ddlSistem", changeFilter);
    $(document).on("change", "#ddlSort", changeFilter);
function changeFilter() {
 let products = retrieveFromLocalStorage("allProducts");
 let filters = ["kat", "brend", "sistem"];
 filters.forEach(filter => {
   products = filterBy(products, filter);
 });
 products = sortBy(products);
 const selectedFilter = $('input[name="popusti"]:checked').val() || null;
 products = filterByEnteredCharacters(products);
 products = filterBySelectedDiscount(products, selectedFilter);
  displayProducts(products);
function
 filterByEnteredCharacters(arr){let
words = $("#search").val();
var newArr = arr.filter((x) =>
(x.naziv.toLowerCase().includes(words.toLowerCase())));
if(newArr.length === 0){
     displayNoProducts();
return newArr;
function filterBySelectedDiscount(arr, hasDiscount) {
return hasDiscount === "1" ? arr.filter(x => x.popustID !== null) : hasDiscount
=== "2" ?
                              arr.filter(x => x.popustID === null) : arr;
function filterBy(nizProizvoda, tip){
 //console.log(nizProizvoda);
   let filteredArray = [];
   let id = null;
   let property = null;
   if(tip === "kat"){
     id = $("#ddlKat").val();
      property = "kategorijaID";
   if(tip === "brend"){
     id = $("#ddlBrend").val();
      property = "brendID";
    if(tip === "sistem"){
      id = $("#ddlSistem").val();
```

```
property = "operativniSistem";
```

```
if(id === "0"){
     filteredArray = nizProizvoda;
   else{
     filteredArray = nizProizvoda.filter(proizvod => proizvod[property] == id);
     if(property === "operativniSistem")
       { filteredArray = nizProizvoda.filter(product
         Array.isArray(product[property]) &&
product[property].includes(parseInt(id)));
   return filteredArray;
};
function sortBy(arr){
 let izbor = $("#ddlSort").val();
 //console.log(izbor);
 let sortedProducts = arr.sort((a, b) =>
 izbor === "1" ? b.cena.trenutnaCena - a.cena.trenutnaCena :
 izbor === "2" ? a.cena.trenutnaCena - b.cena.trenutnaCena :
 izbor === "3" ? a.naziv < b.naziv ? -1 : a.naziv > b.naziv ? 1 : 0 :
 izbor === "4" ? a.naziv > b.naziv ? -1 : a.naziv < b.naziv ? 1 : 0 :</pre>
 izbor === "5" ? a.godinaObjave - b.godinaObjave :
 izbor === "6" ? b.godinaObjave - a.godinaObjave : 0
 return sortedProducts;
function createDropdownList(data, listId, label, blockId, type)
 {let html = `<div class="mb-3">
              <label class="form-label">${label}</label>
               <select class="form-select" id="${listId}">
                    <option value="0">Choose</option>`;
     for(let item of data) {
         if(type === "pop")
             {html +=
                  <option value="1">With discount</option>
                 <option value="null">Without discount</option>`;
             break;
         else {
             html += `<option value="${item.id}">${item.naziv}</option>`;
   html += `</select></div>`;
 document.querySelector(`#${blockId}`).innerHTML = html;
const displaysDiscounts = (arr, selectedFilter) =>
  {html= `
```

```
<input type="radio" class="popusti" name="popusti" value="1" />With
Discounts
     <input type="radio" class="popusti" name="popusti" value="2" />Without
Discounts
$("#ListaPopusta").html(html);
function saveToLocalStorage(key,
  value){ localStorage.setItem(key,
  JSON.stringify(value));
function retrieveFromLocalStorage(key){
  return JSON.parse(localStorage.getItem(key));
function displayProducts(arrProducts)
  {if(arrProducts.length == 0){
    displayNoProducts();
 else {
    let ispisivanje = arrProducts.map(blok =>
{return `
      <div class="col-md-4 mt-2">
           <div class="card blabla">
              <div class="card-body">
                  <div class="card-img-actions">
                  ${layoutDiscounts(blok.popustID, "popusti")}
                  <div class="single-product text-center">
                    <img src="${blok.slika}" alt="${blok.naziv}" class="img-</pre>
fluid" width="200px" height="auto"/>
                  </div>
                 </div>
                  </div>
                <div class="card-body bg-light text-center">
                  <div class="mb-2 izgled">
                    <h6 class="font-weight-semibold mb-2">
                      ${blok.naziv}
                    </h6>
                     ${displayPrice(blok)}
                      <div class="text-muted mb-3"> <button type="button"</pre>
class="btn btn-primary modalTaster"
                                           id="tasterSpec-${blok.id}" data-
toggle="modal"
                                          data-target="#exampleModalLong-
${blok.id}">
                                              View specifications
                                          </button> ${displaySpecifications(blok,
blok.id)}
                                          </div>
                                          <div class="snipcart-details</pre>
```

```
<input type="button" data-id=${blok.id}</pre>
value="Add to cart" class="button btn add-to-cart" />
                                     </div>
                                  </div>
                             </div>
                       </div> `
             });
             $("#proizvodi").html(ispisivanje);
             $(".add-to-cart").click(addToCart);
        }
function layoutDiscounts(id,
 key){if (!id) {return "";}
 let arrDiscounts = retrieveFromLocalStorage(key);
 let obj = arrDiscounts.find(obj => obj.id === id);
 return obj ? `${obj.procenat}% OFF` : "";
function displayPrice(blok)
 {let html = "";
 let price = blok.cena;
   if (price.staraCena != null)
     { html += `<h6 class="product-
price"><del>$${price.staraCena}</del></h6>`
     html += `<h4 class="product-
price"><strong>$${price.trenutnaCena}</strong></h4>`;
     return html;
function displaySpecifications(data, id) {
 $('#tasterSpec-' + id).on('click', function() {
   $('#exampleModalLong-' + id).modal('show');
 });
 let html = "";
 for (let spec of data.specifikacije)
   {if(spec.naziv && spec.vrednost) {
       html += `<div class="specifikacija">
                 <strong>${spec.naziv}:</strong>
${spec.vrednost}
             </div>`;
 return `<div class="modal fade" id="exampleModalLong-${id}" tabindex="-1"</pre>
role="dialog" aria-labelledby="exampleModalLongTitle" aria-hidden="true">
           <div class="modal-dialog" role="document">
             <div class="modal-content">
                <div class="modal-header">
                  <h5 class="modal-title" id="exampleModalLongTitle"</pre>
style="color:black;">${data.naziv}</h5>
                 <button type="button" class="close" data-dismiss="modal" aria-</pre>
```

label="Close">

```
<span aria-hidden="true">&times;</span>
                  </button>
                </div>
                <div class="modal-body">
                  <div class="part-1">
                    <div class="card-body">
                    <div class="card-img-actions">
                    ${layoutDiscounts(data.popustID, "popusti")}
                    <div class="single-product text-center">
                    <img src="${data.slika}" alt="${data.naziv}" class="img-</pre>
fluid" width="200px" height="auto"/>
                 </div>
                 </div>
                </div>
                    <div class="part-2">
                     ${displayPrice(data)}
                    </div>
                 </div>
                 ${html}
               </div>
                <div class="snipcart-details top_brand_home_details item_add</pre>
single-item hvr-outline-out">
                       <input type="button" data-id=${data.id} value="Add to</pre>
cart" class="button btn add-to-cart" />
                    </div>
                </div>
           </div>
         </div>`;
};
function displayNoProducts()
 { document.getElementById("proizvodi").innerHTML
  'No products available.';
*KORPA*/
function showData() {
 retrieveFromLocalStorage("cart") == null ? showEmptyCart() : printCart();
function showEmptyCart(){
 $("#content").html(`Empty cart.`);
 $("#cart-sum").html("");
 $("#apply").html("");
function printCart(){
 let allProducts = retrieveFromLocalStorage("allProducts");
 let productsCart = retrieveFromLocalStorage("cart");
 let productsForDisplay = allProducts.filter(el =>
     {for(let pCart of productsCart){
         if(el.id ==
              pCart.id){ el.qty =
             pCart.qty;return
```

```
true;
```

```
return false;
 })
 printTable(productsForDisplay);
function printTable(products){
 let tableRows = products.map(p => table(p)).join('');
 let sum = products.reduce((acc, p) => acc + (p.cena.trenutnaCena * p.qty), 0);
 const roundTwoDecimal = `$${Math.round(sum * 100) / 100}`;
 const html = `
   <thead>
      Product
        Product Name
        Base Price
        Quantity
        Price
        <a href="#" id="removeAll">Remove</a>
      </thead>
    ${tableRows}
    $('#content').html(html);
 $('.btn-remove').click(removeFromCart);
 $('#cart-sum').html(`<strong class="d-block text-center">Total price:
${roundTwoDecimal}</strong>`);
 $('#apply').html(`<button type="button" class="btn btn-primary d-block mx-</pre>
auto">Apply</button>`);
 $("#removeAll").click(function(){
   $('.timetable_sub tbody tr').remove();
   localStorage.removeItem("cart");
   showEmptyCart();
 });
 function table(p){
   return `
   <a href="#">
          <img src="${p.slika}" style='height:100px' alt="${p.slika}"</pre>
class="img-responsive">
      </a>
   ${p.naziv}
   $${p.cena.trenutnaCena}
   <a href="#" class="decreaseQty ${p.qty === 1 ? 'disabled' : ''}" data-
id="${p.id}">-</a>
```

```
${p.qty}
   <a href="#" class="increaseQty" data-id="${p.id}">+</a>
   $${p.cena.trenutnaCena * p.qty}
   <div class="rem">
           <div class=""><button class='btn-remove' data-id='${p.id}'><i</pre>
class="fa fa-trash"></i></button> </div>
       </div>
   `
 $(".decreaseQty").click(decreaseQty);
 $(".increaseQty").click(increaseQty);
function removeFromCart() {
 const idP = $(this).data("id");
 let productsCart = retrieveFromLocalStorage("cart");
 const filtered = [];
 for (let i = 0; i < productsCart.length; i++)</pre>
   {if (productsCart[i].id !== idP) {
     filtered.push(productsCart[i]);
 if (filtered.length === 0)
   { localStorage.removeItem("cart");
 } else {
   saveToLocalStorage("cart", filtered);
 showData();
function addToCart(){
 let idP = $(this).data("id");
 // console.log(idP)
 let productsCart = retrieveFromLocalStorage("cart");
 $("#message").html("<span>You have successfully added to the
cart!</span>").fadeIn();
 setTimeout(function() {
     $("#message").fadeOut();
 }, 3000);
 if(productsCart ==
     null){ addFirstItemToCart();
     printNumberOfProducts();
 else{
     if(productIsAlreadyInCart()){ updateQty
         ();
     else{
```

```
addItemToCart();
          printNumberOfProducts();
  function
      addFirstItemToCart(){let
      products = [
              id: idP,
              qty: 1
     ];
      saveToLocalStorage("cart", products);
 function productIsAlreadyInCart(){
      return productsCart.filter(el => el.id == idP).length;
  function updateQty(){
      let productsLS = retrieveFromLocalStorage("cart");
      for(let p of productsLS){
          if(p.id ==
              idP){p.qty++;
              break;
      saveToLocalStorage("cart", productsLS);
  function addItemToCart(){
      let productLS = retrieveFromLocalStorage("cart");
      productLS.push({
          id: idP,
          qty: 1
      saveToLocalStorage("cart", productLS);
function printNumberOfProducts(){
    let productsCart = retrieveFromLocalStorage("cart");
    if(productsCart == null){
        $("#broj-proizvoda").html(`(0)`);
   else{
        let numberOfProducts = productsCart.length;
        $("#broj-proizvoda").html(`(${numberOfProducts})`)
function
      increaseQty(e){ e.preventDefault();
      let id = $(this).data("id");
      let products = retrieveFromLocalStorage("cart");
      let index = products.findIndex(p => p.id === id);
```

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```
if (index !== -1) {
```

```
products[index].qty += 1;
        saveToLocalStorage("cart", products);
        printCart();
function
      decreaseQty(e){ e.preventDefault();
      let id = $(this).data("id");
      let products = retrieveFromLocalStorage("cart");
      let index = products.findIndex(p => p.id === id);
      if (index !== -1 && products[index].qty > 1) {
        products[index].qty -= 1;
        saveToLocalStorage("cart", products);
        printCart();
/*OBRADA FORME*/
function
    checkValidation(inputs){  var
    regexes = {
      fullName: /^[A-Za-zčćžđšČĆŽĐŠ\s]+$/,
      email: /^[^\s@]+@[^\s@]+\.[^\s@]+$/,
      password: /.{8,}/
    };
    inputs.forEach(function(input)
      { var $input = $('#' +
      input.name);
      var $error = $('#' + input.name + '-error');
      var regex = regexes[input.type];
      $error.text('');
      $input.blur(function() {
        var value = $(this).val();
        if (value === '') {
          $error.text(input.errorMessages.empty);
        } else if (regex && !regex.test(value)) {
          $error.text(input.errorMessages.invalid);
        } else {
          $error.text('');
      });
   });
  function checkIfTownIsSelected(){
    $("#grad").blur(function()
        { var grad =
        $(this).val();
        var errorText = (grad == "" || ( $(this).is('select') && (grad == null
|| grad == ""))) ? "Select a city" : "";
       $("#grad-error").text(errorText);
```

```
function isButtonClicked(){
```

```
$("#submit-btn").click(function(e)
     {e.preventDefault();
     var hasError = false;
     $("input, select").each(function()
       {var value = $(this).val();
       if (value == "") {
         var errorText = "This field is required.";
         $(this).next(".text-danger").text(errorText);
         hasError = true;
     });
       var age = $("input[name='user_age']:checked").val();
       if (!age) {
         $("#age-error").text("Select your age.");
         hasError = true;
       } else {
         $("#age-error").text("");
       var interests = $("input[name='user_interest']:checked");
       if (interests.length === 0) {
         $("#interests-error").text("Choose at least one answer.");
         hasError = true;
       } else {
         $("#interests-error").text("");
       if (hasError) {
         $("#success-message").hide();
         $("#error-message").show();
       } else {
         $("#error-message").hide();
         $("#success-message").show();
   });
 checkIfTownIsSelected();
 isButtonClicked();
function applyOrder() {
 $('#apply').click(function(e)
   {e.preventDefault();
   if ($('.alert-success').length) return;
   $(this).after(`
     <div id="loading">
       class="blue">
         class="green">
         class="pink">
```

```
<div id="progress-message" style="font-weight: bolder;">Please
wait</div>
     </div>
   `);
   $('.backToShop, .timetable_sub tbody tr').remove();
   setTimeout(function() {
     $('#loading').fadeOut(500, function() {
       $('#apply').after(`<div class="d-flex flex-column align-items-center my-</pre>
       <a href="shop.html"><i class="fa fa-arrow-left mr-2"></i>Return to the
<span class="font-weight-bold">shop</span> page.</a>
       You have applied successfully!
       </div>`
                        );
       localStorage.removeItem("cart");
       $("#content, #cart-sum, #apply").empty();
     });
   }, 2000);
 });
/*Header,footer,slider*/
function createNav(arr) {
 let html = arr.map(link =>
     {if (link.opcije) {
         return `<div class="dropdown">
                <button class="dropdown-toggle nav-link" id="lista"</pre>
type="button" data-toggle="dropdown">
                  ${link.name}
                </button>
                <div class="dropdown-menu links" id="ddlLista" aria-</pre>
labelledby="dropdownMenuButton">
                  ${link.opcije.map(el => `<a class="dropdown-item"
href="${el.href}">${el.name}</a>`).join('')}
                </div>
            </div>`
     } else {
         return `
                <a class="nav-link" href="${link.href}">${link.name}</a>
             }).join('');
 $('#meniLista').html(html);
function createFooter(links) {
 const footerLinks1 = document.getElementById('footerLinks1');
 const footerLinks2 = document.getElementById('footerLinks2');
```

```
let footer1 = "";
 let footer2 = "";
 for (let i = 0; i < links.length; i++)</pre>
    {const link = links[i];
   let html = `<h5>${link.naslov}</h5>`;
    for (let j = 0; j < link.linkovi.length; j++) {</pre>
      const elem = link.linkovi[j];
     html += `<a href="${elem.href}" class="text-</pre>
white">${elem.ime}</a>`;
   html += ``;
   if (i === 0) {
     footer1 += html;
   } else {
     footer2 += html;
  footerLinks1.innerHTML = footer1;
 footerLinks2.innerHTML = footer2;
};
function animacijaServices(){
   $('.services card .dugme').click(() => window.location.href = "shop.html");
          document.querySelectorAll('.services__card').forEach(e => {
            e.addEventListener('mouseenter', () =>
                {e.style.transform = "scale(1.075)";
                e.style.transition = "0.2s ease-in";
                e.style.cursor = "pointer";
            });
            e.addEventListener('mouseleave', () =>
                { e.style.transform = "scale(1)";
                e.style.transition = "0.2s ease-out";
            });
          });
function createSlider(slajder) {
 var carouselInner = document.getElementById("carousel-inner");
 for (var i = 0; i < slajder.length; i++) {</pre>
   var carouselItem = document.createElement("div");
    carouselItem.classList.add("carousel-item");
   if (i === 0)
      { carouselItem.classList.add("active");
    var img = document.createElement("img");
    img.classList.add("d-block", "w-100");
    img.setAttribute("src", slajder[i].src);
    img.setAttribute("alt", slajder[i].alt);
    carouselItem.appendChild(img);
    carouselInner.appendChild(carouselItem);
function numberOfCharacters(){
```

```
$(document).ready(function() {
    $('#poruka').keyup(function() {
       var charCount = $(this).val().length;
       $('#charCount').text(charCount + ' / 200');
       if (charCount > 200) {
          $(this).val($(this).val().substr(0, 200));
          $('#charCount').text('200 / 200');
          $(this).attr('disabled', 'disabled');
       } else {
          $(this).removeAttr('disabled');
       }
    });
    });
};
}cht).text('200 / 200'
```

3.4 data/ JSON

categories.json

```
[
        "id": 1,
        "naziv": "Monitors"
    },
        {
            "id": 2,
            "naziv": "Cases"
        },
        {
            "id": 3,
            "naziv": "Motherboards"
        },
        {
            "id": 4,
            "naziv": "Graphics"
        }
}
```

brands.json

```
[
        "id": 1,
        "naziv": "Samsung"
},
        "id": 2,
        "naziv": "LG"
},
        "id": 3,
        "naziv": "Apple"
},
        {
        "id": 4,
        "naziv": "Asus"
}
]
```

dicsounts.json

system.json

slajder.json

```
{
    "src": "assets/images/slider1.jpg",
    "alt": "First slide"
},
{
    "src": "assets/images/slider2.jpg",
    "alt": "Second slide"
},
{
    "src": "assets/images/slider3.jpg",
    "alt": "Third slide"
},
{
    "src": "assets/images/slider4.jpg",
    "alt": "Third slide"
}
```

nav-meni.json

footer.json

```
"naslov": "Quick links",
"linkovi": [
   "ime": "Home",
   "href": "index.html"
  },
   "ime": "Shop",
   "href": "shop.html"
 },
   "ime": "Author",
   "href": "author.html"
 },
    "ime": "Contact",
   "href": "register.html"
"naslov": "Useful links",
"linkovi": [
    "ime": "Sitemap",
   "href": "root/sitemap.xml"
  },
    "ime": "Documentation",
    "href": "#"
```

```
{
    "ime": "Terms",
    "href": "#"
    },
    {
       "ime": "Privacy Policy",
       "href": "#"
    }
    ]
}
```

inputs.json

```
"name": "ime",
  "type": "fullName",
  "errorMessages": {
    "empty": "Enter a name.",
    "invalid": "The name can only contain letters and spaces."
},
 "name": "email",
  "type": "email",
  "errorMessages": {
    "empty":" Enter a email.",
    "invalid": "Please enter a valid email address."
},
  "name": "password",
  "type": "password",
  "errorMessages": {
    "empty": "Enter a password.",
    "invalid": "The code must have at least 8 characters."
```

sortiranje.json

```
{
    "id": 1,
        "naziv": "Price Desc"
},
    {
        "id": 2,
        "naziv": "Price Asc"
},
    {
        "id": 3,
        "naziv": "Name A-Z"
},
    {
        "id": 4,
        "naziv": "Name Z-A"
},
    {
        "id": 5,
        "naziv": "Oldest - Newest"
},
    {
        "id": 6,
        "naziv": "Newest - oldest"
}
```

products.json

```
[
    "id": 1,
    "naziv": "Pro Display XDR",
    "slika": "assets/images/apple-monitor.png",
    "kategorijaID": 1,
    "brendID": 3,
    "popustID": 1,
    "cena":
        { "staraCena":79.99,
        "trenutnaCena": 49.99
      },
      "godinaObjave": 2016,
      "operativniSistem": [1,3],
      "specifikacije": [
        {
            "naziv": "Resolution",
            "vrednost": "218 pixels per inch"
```

```
},
      "naziv": "Display",
      "vrednost": "5K Retina display"
    },
      "naziv": "Camera",
      "vrednost": "12MP Ultra Wide camera with 122° field of view"
    },
      "naziv": null,
      "vrednost": null
},
  "id": 2,
  "naziv": "ASUS 34" Ultrawide HDR Gaming Monitor",
  "slika": "assets/images/asus-monitor.png",
  "kategorijaID": 1,
  "brendID": 4,
  "popustID": null,
  "cena": {
    "staraCena": null,
    "trenutnaCena": 189.99
   },
   "godinaObjave": 2020,
   "operativniSistem": [1,2],
   "specifikacije": [
      "naziv": "Resolution",
      "vrednost": "6016 x 3384 6K Resolution"
    },
      "naziv": "Refresh rate",
      "vrednost": "48Hz - 170Hz"
    },
      "naziv": "Weight",
      "vrednost": 3.85
    },
      "naziv": "sRGB",
      "vrednost": 130
```

```
"id": 3,
"naziv": "LG 28MQ780-B 28 Inch SDQHD",
"slika": "assets/images/lg-monitors.png",
"kategorijaID": 1,
"brendID": 2,
"popustID": 2,
"cena":
 { "staraCena":279.99,
  "trenutnaCena": 139.99
 },
 "godinaObjave": 2019,
 "operativniSistem": [1],
 "specifikacije": [
    "naziv": "Resolution",
   "vrednost": "3840x2160 pixels"
  },
    "naziv": "Refresh rate",
    "vrednost": "58Hz - 62Hz"
  },
    "naziv": "Weight",
    "vrednost": 7.2
  },
    "naziv": "sRGB",
    "vrednost": 99
"id": 4,
"naziv": "31,5 4K UHD IPS UltraGear™",
"slika": "assets/images/samsung-monitor.png",
"kategorijaID": 1,
"brendID": 1,
"popustID": null,
"cena": {
  "staraCena":null,
 "trenutnaCena": 259.99
 "godinaObjave": 2021,
 "operativniSistem": [2],
 "specifikacije": [
    "naziv": "Resolution",
    "vrednost": "1920x1080 pixels"
```

```
},
     "naziv": "Refresh rate",
     "vrednost": "60Hz"
    },
      "naziv": "Weight",
      "vrednost": 3.6
    },
      "naziv": null,
     "vrednost": null
},
  "id": 5,
  "naziv": "NZXT H510 - CA-H510B-B1",
  "slika": "assets/images/case-purple.png",
  "kategorijaID": 2,
  "brendID": 1,
  "popustID": null,
  "cena": {
    "staraCena":null,
   "trenutnaCena": 160.99
   },
   "godinaObjave": 2017,
   "operativniSistem": [1],
   "specifikacije": [
     "naziv": "Color",
      "vrednost": "Black"
    },
      "naziv": "Hard Disk Form Factor",
      "vrednost": 3.5
    },
      "naziv": "Cooling Method",
      "vrednost": "Air"
    },
      "naziv": "Case Type",
      "vrednost": "Tower"
```

```
"id": 6,
  "naziv": "Antec DF700 Flux",
  "slika": "assets/images/giga-case.png",
  "kategorijaID": 2,
  "brendID": 1,
  "popustID": null,
  "cena": {
    "staraCena":null,
    "trenutnaCena": 250.99
   "godinaObjave": 2020,
   "operativniSistem": [1],
   "specifikacije": [
      "naziv": "Color",
      "vrednost": "NX410 W"
    },
      "naziv": null,
      "vrednost": null
    },
      "naziv": "Cooling Method",
      "vrednost": "Air"
    },
      "naziv": "Case Type",
      "vrednost": "Mid Tower"
},
  "id": 7,
  "naziv": "AMANSON PC CASE ATX",
  "slika": "assets/images/master-case.png",
  "kategorijaID": 2,
  "brendID": 4,
  "popustID": 1,
   "cena":
   { "staraCena":179.99,
   "trenutnaCena": 63.99
   },
   "godinaObjave": 2021,
   "operativniSistem": [1],
   "specifikacije": [
      "naziv": "Number of Expansion Slots",
```

```
"vrednost": 7
    },
      "naziv": "Motherboard Compatability",
      "vrednost": "ATX"
    },
      "naziv": "Cooling Method",
      "vrednost": "Micro ATX"
    },
      "naziv": "Fan Size",
      "vrednost": "120 Millimeters"
},
  "id": 8,
  "naziv": "AeroCool Cylon RGB",
  "slika": "assets/images/pink-case.png",
  "kategorijaID": 2,
  "brendID": 2,
  "popustID": null,
  "cena": {
    "staraCena":null,
    "trenutnaCena": 79.99
   },
   "godinaObjave": 2022,
   "operativniSistem": [1,2,3],
   "specifikacije": [
      "naziv": "Hard Disk Form Factor",
      "vrednost": "3.5 Inches"
    },
      "naziv": null,
      "vrednost": null
    },
      "naziv": "Item Dimensions LxWxH",
      "vrednost": "23.07 x 13.19 x 23.62 inches"
    },
      "naziv": "Case Type",
      "vrednost": "Mid Tower"
```

```
"id": 9,
  "naziv": "ROG MAXIMUS XIII HERO",
  "slika": "assets/images/maximus XIII hero.png",
  "kategorijaID": 3,
  "brendID": 2,
  "popustID": null,
  "cena": {
    "staraCena":null,
    "trenutnaCena": 199.99
   },
   "godinaObjave": 2020,
   "operativniSistem": [2],
   "specifikacije": [
      "naziv": "Form Factor",
      "vrednost": "Micro-ATX"
    },
      "naziv": "Chipset",
      "vrednost": "AMD A320"
    },
      "naziv": "RAM",
      "vrednost": "2x DDR4 @ 3200 MHz"
    },
      "naziv": "Audio Chip",
      "vrednost": "Realtek ALC887"
},
  "id": 10,
  "naziv": "Z390 gaming X",
  "slika": "assets/images/Z390 gaming X.png",
  "kategorijaID": 3,
  "brendID": 1,
  "popustID": 2,
   "cena":
   { "staraCena":115.99,
    "trenutnaCena": 72.99
   },
   "godinaObjave": 2015,
   "operativniSistem": [2],
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