Visoka škola strukovnih studija za informacione i komunikacione
tehnologije

DOKUMENTACIJA

WEB PROGRAMIRANJE 2

Dinamički web sajt

https://keytech-world.netlify.app/index.html

Nikola Timotić

173/20

Smer: Internet tehnologije

Modul: Web Programiranje

Sadržaj

1 Uvod

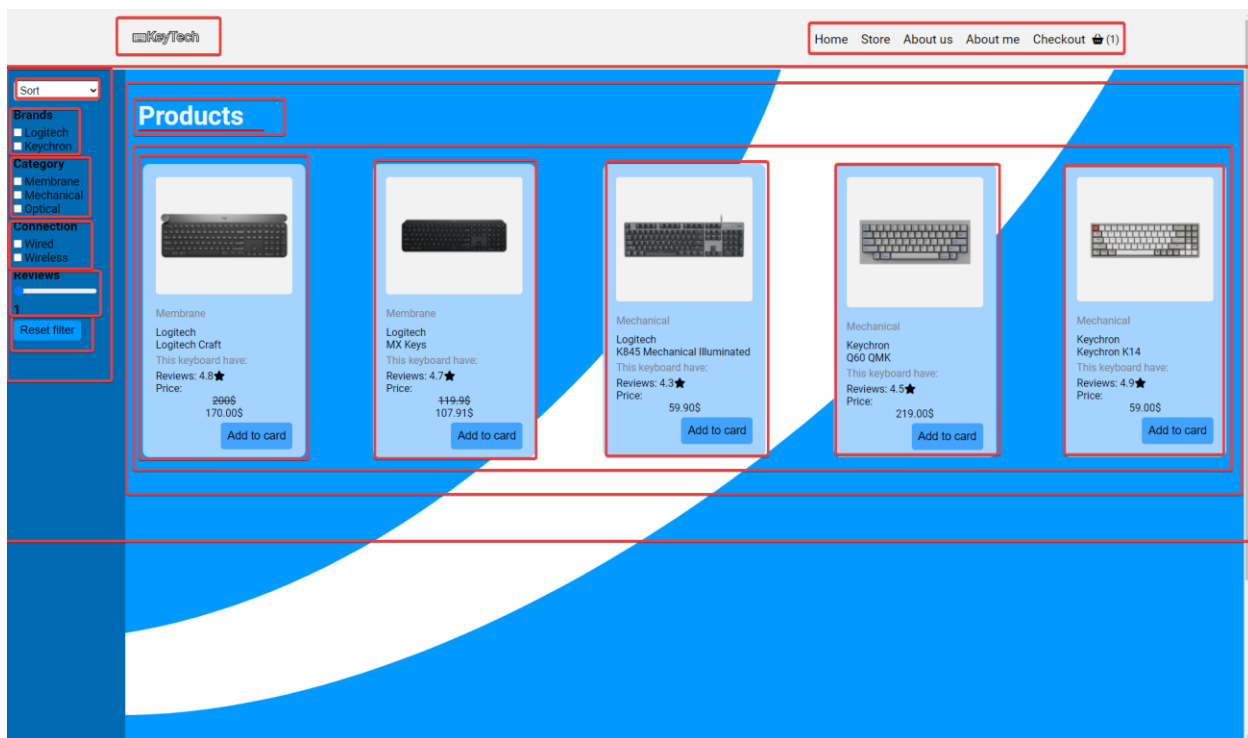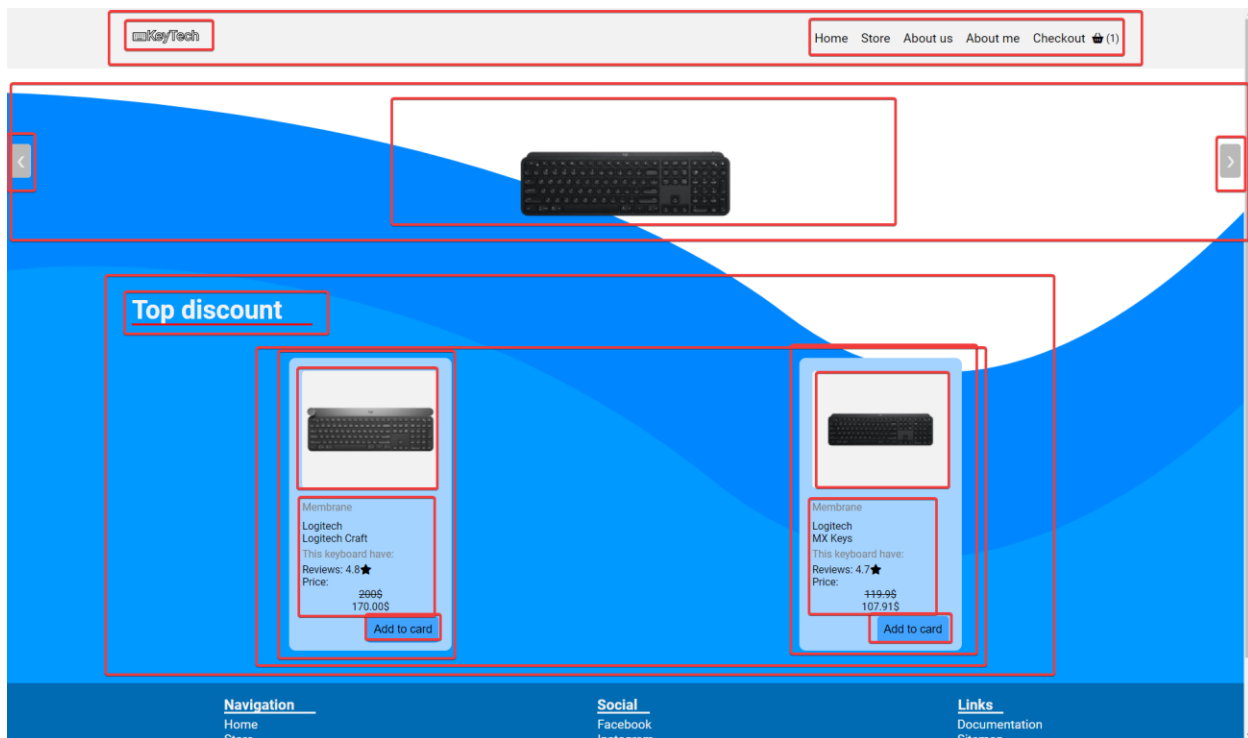## 1.1 Korišćeni programski jezici i tehonologije

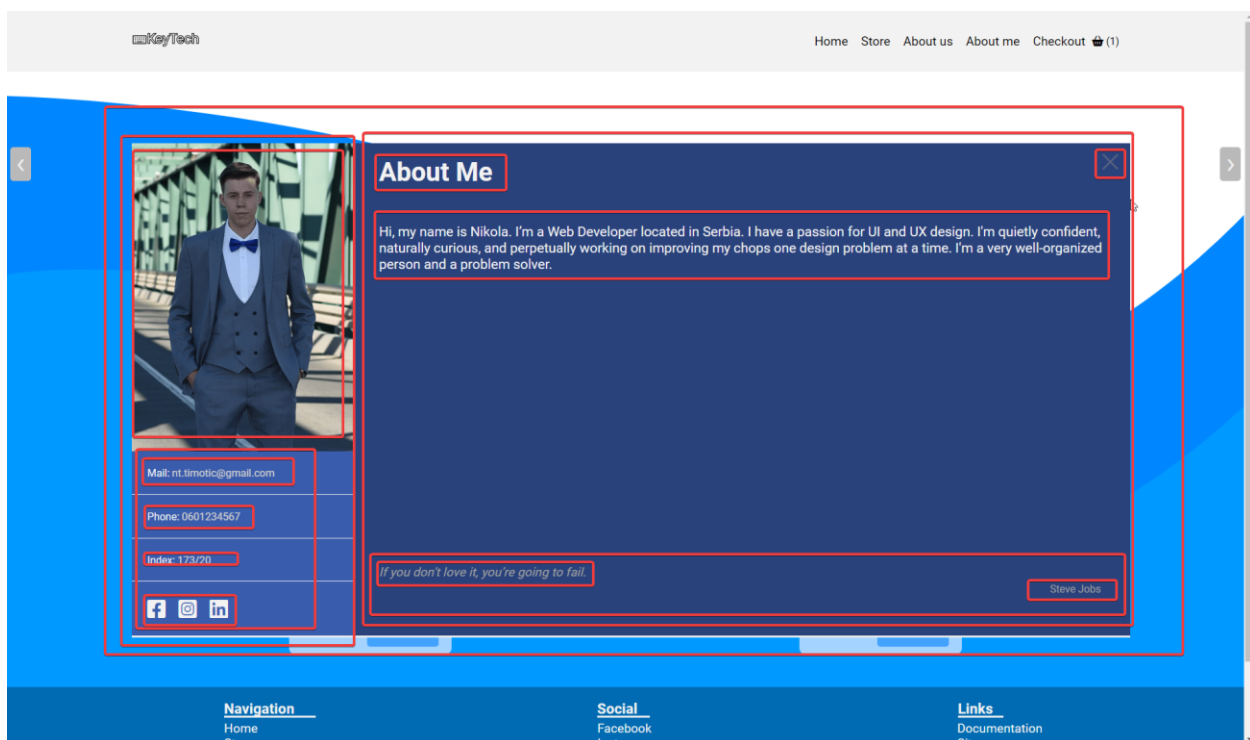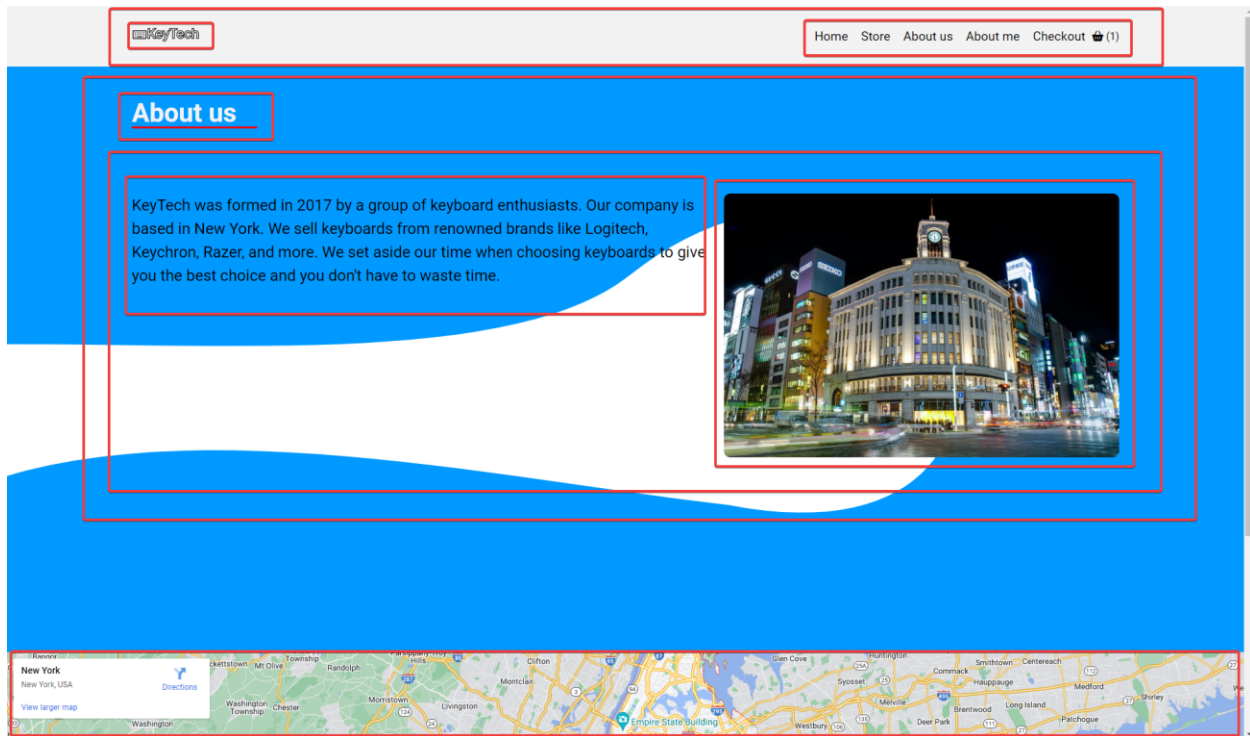- Za izradu sajta su korišćeni: HTML, CSS, JavaScript, Ajax, XML.
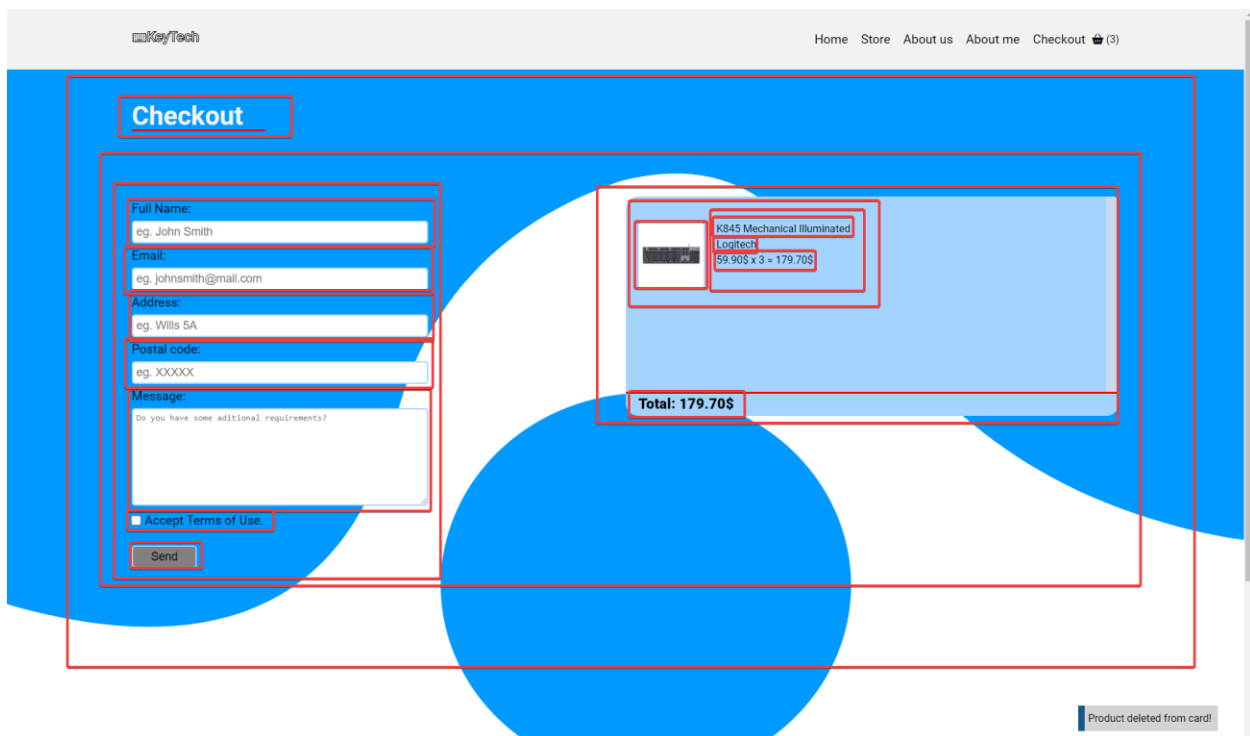
1.2 Opis funkcionalnosti

- Dinamičko kreiranje i ispisivanje menia korišćenjem Ajax zahteva;
- Dinamičko kreiranje i ispisivanje footer-a korišćenjem Ajax zahteva;
- Dinamičko kreiranje i ispisivanje proizvoda korišćenjem Ajax zahteva;
- Dinamičko kreiranje i ispisivanje kategorija proizvoda korišćenjem Ajax zahteva;
- Interaktivni slajder;
- Sinhronizovano filtriranje proizvoda po kategoriji, tipu, ocenama i načinu povezivanja;
- Sortiranja proizvoda po: imenu opadajućem, imenu rastućem, ceni opadajućem, ceni rastućem, ocenama opadajućem i ocenama rastućem redosledu.
- Dinamičko ispisivanje i izračunavanje cene na osnovu zadatog popusta.
- Dinamičko ispisivanje "Top discount" ponude.
- Interaktivna korpa koja rad sa "LocalStorage".
- Ispisivanje broja proizvoda u korpi.
- Ispisivanje količine dodatih primeraka nekog proizvoda.
- Interaktivna promena količine odabranog proizvoda klikom na "+", odnosno "-" dugme koje se nalazi unutar korpe.
- Brisanje pojedinačnih i svih prozvoda iz korpe.
- Korišćenje modala za ispisivanje "About me" sekcije.
- Dinamičko ispisivanje citata i autora unutar "About me" sekcije.
- Interaktivni meni za mobilne uređaje.
- Forma za kupovinu proizvoda.
- Obaveštenje prilikom dodavanja proizvoda u korpu, brisanje, kupovina i greške ukoliko je taj proizvod već u korpi, odnosno, ako je mejl već poslat.

1.3   Template

- Za izradu sajta njie korišćen templejt.

■KeyTech

About us

KeyTech was formed in 2017 by a group of keyboard enthusiasts. Our company is based in New York. We sell keyboards from renowned brands like Logitech, Keychron, Razer, and more. We set aside our time when choosing keyboards to give you the best choice and you don't have to waste time.

New York
New York, USA
View larger map
Directions

■KeyTech

About Me

Hi, my name is Nikola. I'm a Web Developer located in Serbia. I have a passion for UI and UX design. I'm quietly confident, naturally curious, and perpetually working on improving my chops one design problem at a time. I'm a very well-organized person and a problem solver.

If you don't love it, you're going to fail.

Steve Jobs

Mail: nt.timotic@gmail.com

Phone: 0601234567

Index: 173/20

Navigation
Home
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Links
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Sitemap

3

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New York, USA
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Github

Links
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Sitemap
RSS
Robots

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Checkout

Full Name:
eg. John Smith

Email:
eg. johnsmith@mail.com

Address:
eg. Wills 5A

Postal code:
eg. XXXXX

Message:
Do you have some aditional requirements?

☐ Accept Terms of Use.

Send

K845 Mechanical Illuminated
Logitech
59.90$ x 3 = 179.70$

Total: 179.70$

Product deleted from card!

4

Home Store About us About me

Card   ☒

Logitech Craft
Logitech
170.00$ x 1 = 170.00$

− 1 +   ▣

Total: 170.00$

Checkout   Clear

Top discount

Membrane
Logitech
Logitech Craft
This keyboard have:
Reviews: 4.8★
Price:
~~200$~~
170.00$

Add to card

Membrane
Logitech
MX Keys
This keyboard have:
Reviews: 4.7★
Price:
~~119.9$~~
107.91$

Add to card

Navigation
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Top discount

Membrane

Logitech
Logitech Craft

This keyboard have:

Reviews: 4.8★
Price:

~~200$~~
170.00$

Add to card

Membrane

Logitech
MX Keys

This keyboard have:

Reviews: 4.7★
Price:

~~119.9$~~
107.91$

Add to card
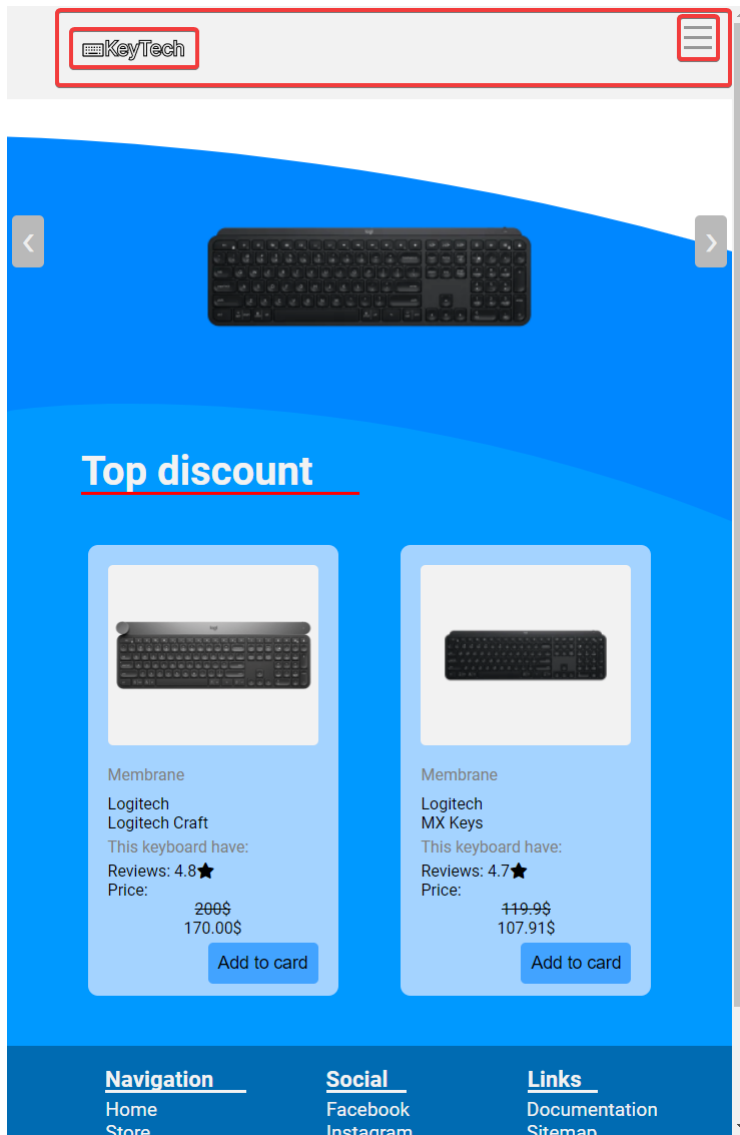
Navigation

Home
Store

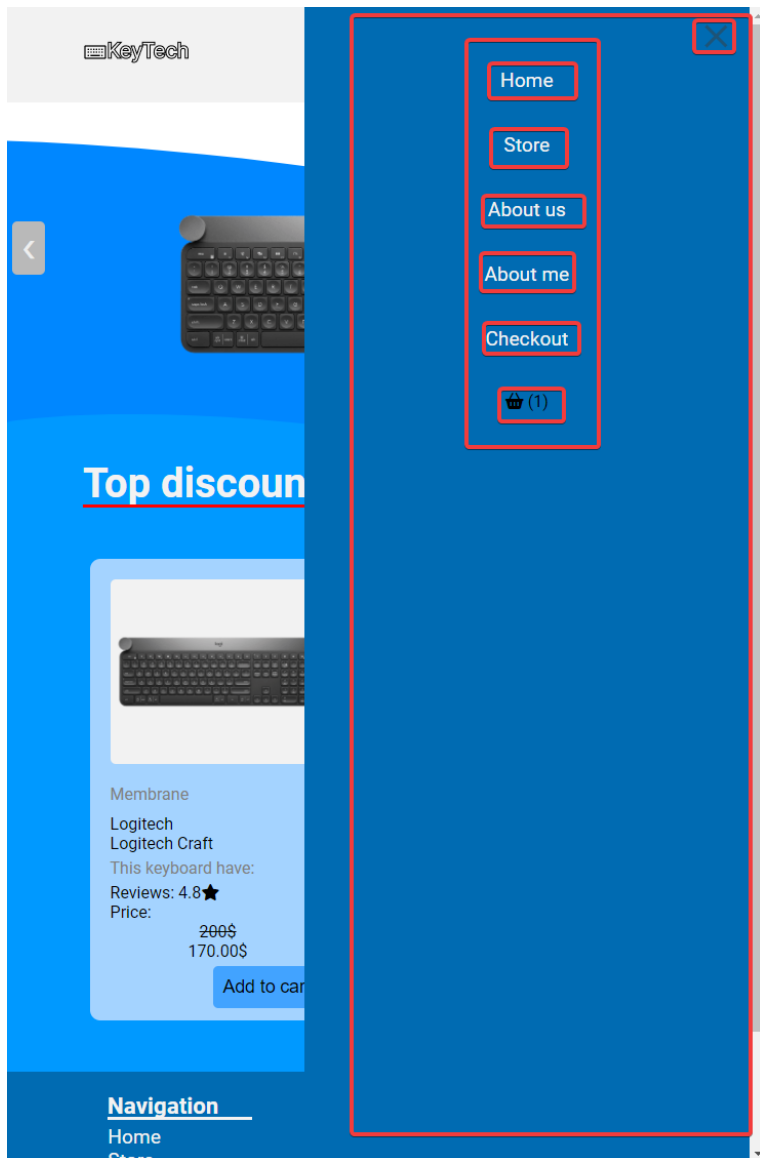**Social**

Facebook
Instagram

Links

Documentation
Sitemap

Deleted all products from card

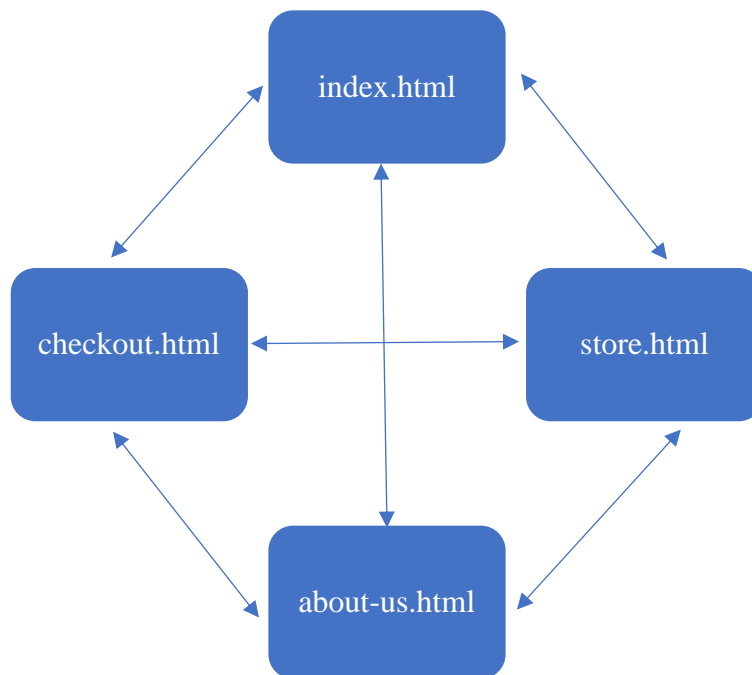Product added to card!

Product already in card!

Product deleted from card!

2 Organizacija

2.1 Šema

2.2 Mapa sajta (sitemap)

```xml
<urlset
xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <url>
    <loc>https://keytech-
world.netlify.app/index.html</loc>
    <lastmod>2022-04-15T08:00:00+00:00</lastmod>
    <changefreq>daily</changefreq>
    <priority>0.95</priority>
  </url>
  <url>
    <loc>https://keytech-
world.netlify.app/store.html</loc>
    <lastmod>2022-04-15T08:00:00+00:00</lastmod>
    <changefreq>daily</changefreq>
    <priority>0.90</priority>
```

```xml
    </url>
    <url>
      <loc>https://keytech-
world.netlify.app/checkout.html</loc>
      <lastmod>2022-04-15T08:00:00+00:00</lastmod>
      <changefreq>weekly</changefreq>
      <priority>0.85</priority>
    </url>
    <url>
      <loc>https://keytech-world.netlify.app/about-
us.html</loc>
      <lastmod>2022-04-15T08:00:00+00:00</lastmod>
      <changefreq>monthly</changefreq>
      <priority>0.70</priority>
    </url>
</urlset>
```

2.3   Slike stranica i opis funkcionalnosti

2.3.1   Pozivanje i učitavanje JSON datoteka u memoriju sa izvršavanjem "callback" funkcija

- Za pozivanje i učitavanje JSON datoteke, korišćena je "fetchData()".
- Ona se poziva sa jednim ili dva argumenta.
- Prvi argument, koji je obavezan, je ime JSON datoteke.
- Prilikom učitavanja JSON datoteke, funkcija "fetchData()" upisuje pozvane podatke u LocalStorage.
- Drugi argument je "callback" funkcija koja se izvršava neposredno posle učitanih podataka, kojoj se ti podaci prosleđuju.

### 2.3.2 Dinamičko kreiranje i ispisivanje menia i footer-a linkova
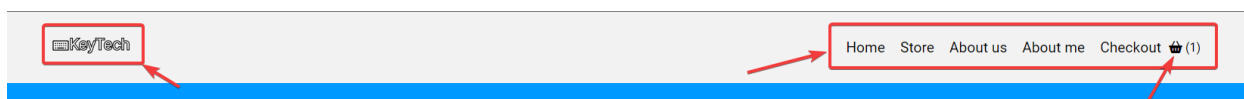
- Za kreiranje navigacionog menia, footer-a korišćena je "callback" funkcija "createNavBar", koja predstavlja skup dodatnih funkcija kojima se prosledjuje povratni podatak iz "fetchData()" funckije.

2.3.3 Dianmičko kreiranje i ispisivanje proizvoda
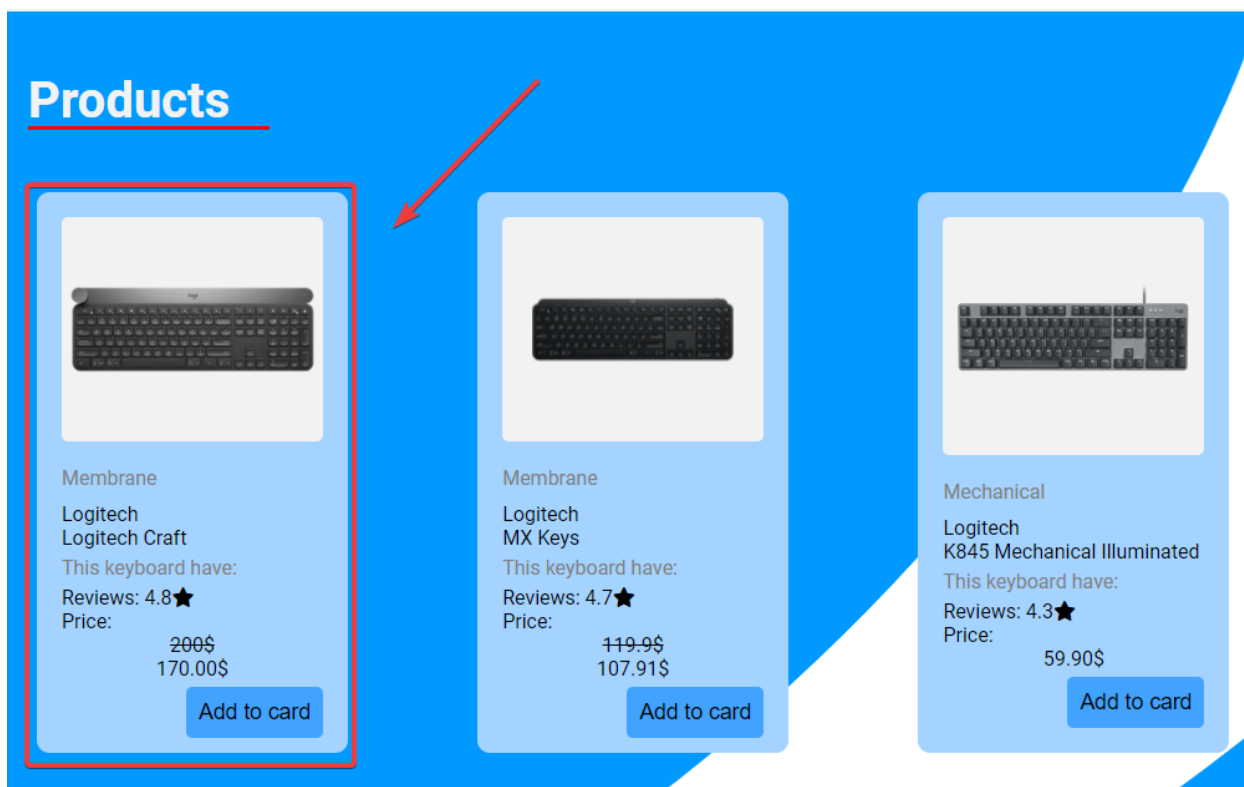

- Za dinamičko ispisivanje i kreiranje proizvoda, korišćena je funkcija "callback" funkcija "showProducts()", koja se poziva preko funkcija "fetchData()".
- Kao ulazni argument, prihvata niz objekata proizvoda.
- Navedena funckija je korišćena i prilikom filtriranja proizvoda.

2.3.4 Soritranje proizvoda
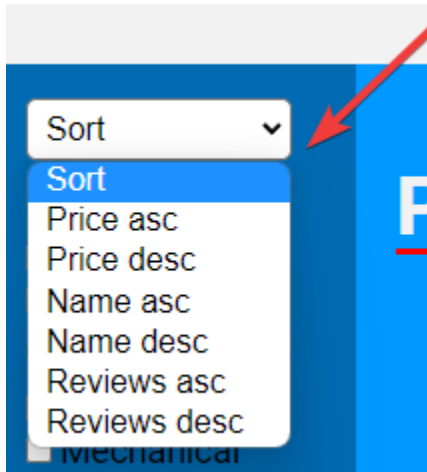
- Za sortiranje proizvoda, korišćena je funkcija "sortProducts()", koja kao ulazni parametar ima selektovan objekat padajuće liste.
- Nakon sortiranje, poziva se funkcija "showProducts()", koja kao ulazni parametar poseduje sortiranu listu porizvoda.
- Sortiranje je moguće po više kriteriuma:
  o Ceni rastuće;
  o Ceni opadajuće;
  o Nazivu rastućem;
  o Nazivu opadajućem,
  o Oceni rastućem;
  o Oceni opadajućem;

2.3.5 Filtriranje proizvoda po više kriterijuma
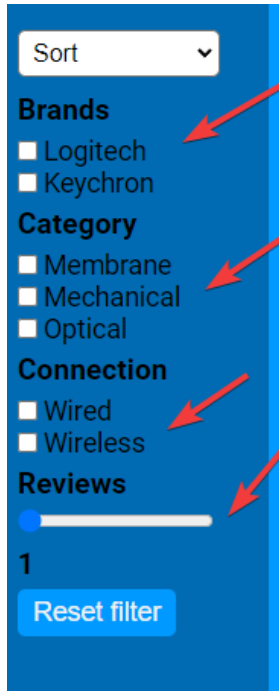
- Prilikom kreiranja liste filtera, svakom elementu filtera je dodat ".addEventListener()", koja prilikom interakcija sa elementima pozova funkciju "filterProducts()", koja kreira kopiju proizvoda LocalStorage i prosleđuje je kao ulazni argument glavno funkciji "showProducts()".
- Ona dalje poziva pod funkcije ("brandsFilter", "categoryFilter", "connectionType", "reviewsFilter"), koje kao ulazni parametar imaju listu elemenata, koja već može biti filtrirana zavisno od redosleda izvršavanja.

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" />
    <link rel="stylesheet" type="text/css"
href="assets/css/style.min.css" />
    <link rel="icon" type="image/x-icon"
href="assets/img/favicon.ico" />
    <meta name="keywords" content="Logitech, KeyTech,
mx, keys, craft, top, discount" />
    <meta name="description" content="KeyTech - World of
keyboard. Don't wait, buy your Logitech, Razer,
Keychron, or any from our offer." />
    <title>KeyTech | World of keyboards</title>
  </head>
  <body>
    <nav>
      <div id="nav-warpper" class="wrapper">
        <a href="index.html"><img
src="assets/img/logo.png" id="logo" alt="logo" /></a>
        <div id="nav-close-container">
          <div id="nav-close" class="close"></div>
        </div>
      </div>
    </nav>
    <header id="landing-page">
      <div class="slideshow-container">
```

```html
      <div class="slide">
        <img src="assets/img/logitech-craft.png"
alt="logitech craft keyboard" />
      </div>
      <div class="slide">
        <img src="assets/img/keychron-K14.png"
alt="keychron k14 keyboard" />
      </div>
      <div class="slide">
        <img src="assets/img/Keychron-Q60-QMK.png"
alt="Keychron q60 keyboard" />
      </div>
      <div class="slide">
        <img src="assets/img/logitech-mx-keys.png"
alt="logitech mx keyboard" />
      </div>
      <a id="neg" class="prev">&#10094;</a>
      <a id="pos" class="next">&#10095;</a>
    </div>
    <div class="wrapper">
      <h1>Top discount</h1>
      <section id="products"></section>
    </div>
  </header>
  <section class="shopping-card-container">
    <div id="card-close"></div>
    <p id="card-heading">Card</p>
    <div id="card-products"></div>
    <div>
      <p id="card-total-price"></p>
    </div>
    <div id="card-btns">
      <a href="checkout.html" class="btn-
sec">Checkout</a>
      <input type="button" class="btn-sec" id="delete-
all-products" value="Clear" />
```

```
        </div>
      </section>
      <footer id="footer"></footer>
      <script
src="https://kit.fontawesome.com/92e251ce56.js"
crossorigin="anonymous"></script>
      <script src="assets/js/main.min.js"></script>
  </body>
</html>
```

3.1.2 store.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" />
    <link rel="stylesheet" type="text/css"
href="assets/css/style.min.css" />
    <link rel="icon" type="image/x-icon"
href="assets/img/favicon.ico" />
    <meta name="keywords" content="keytech, reviews,
logitech, mx, craft, keychron, products" />
    <meta name="description" content="KeyTech - World of
the keyboard. Don't wait, there are plenty of keyboards
waiting for you to choose one of many from our offer."
/>
    <title>KeyTech | Store</title>
  </head>
  <body>
    <nav>
```

```html
      <div id="nav-warpper" class="wrapper">
        <a href="index.html"><img
src="assets/img/logo.png" id="logo" alt="logo" /></a>
        <div id="nav-close-container">
          <div id="nav-close" class="close"></div>
        </div>
      </div>
    </nav>
    <header id="store">
      <div id="store-container">
        <div id="right-products-container">
          <h1>Products</h1>
          <div id="products"></div>
        </div>
        <div id="side-filter">
          <div id="sort-products">
            <select name="sortProduct" id="sort-product-
placeholder">
              <option value="0">Sort</option>
              <option value="1">Price asc</option>
              <option value="2">Price desc</option>
              <option value="3">Name asc</option>
              <option value="4">Name desc</option>
              <option value="5">Reviews asc</option>
              <option value="6">Reviews desc</option>
            </select>
          </div>
          <div id="brands-filter"></div>
          <div id="category-filter"></div>
          <div id="connection-type-filter"></div>
          <div id="reviews-filter"></div>
          <input type="button" class="btn-sec"
id="reset-filter" value="Reset filter" />
        </div>
      </div>
    </header>
```

```html
    <section class="shopping-card-container">
      <div id="card-close"></div>
      <p id="card-heading">Card</p>
      <div id="card-products"></div>
      <div>
        <p id="card-total-price"></p>
      </div>
      <div id="card-btns">
        <a href="checkout.html" class="btn-
sec">Checkout</a>
        <input type="button" class="btn-sec" id="delete-
all-products" value="Clear" />
      </div>
    </section>
    <footer id="footer"></footer>
    <script
src="https://kit.fontawesome.com/92e251ce56.js"
crossorigin="anonymous"></script>
    <script src="assets/js/main.min.js"></script>
  </body>
</html>
```

3.1.3 checkout.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" />
```

```html
    <link rel="stylesheet" type="text/css"
href="assets/css/style.min.css" />
    <link rel="icon" type="image/x-icon"
href="assets/img/favicon.ico" />
    <meta name="keywords" content="keytech, checkout,
logitech, razer, mx" />
    <meta name="description" content="This is checkout
page for our company. Buy a new keyboard." />
    <title>KeyTech | Checkout</title>
  </head>
  <body>
    <nav>
      <div id="nav-warpper" class="wrapper">
        <a href="index.html"><img
src="assets/img/logo.png" id="logo" alt="logo" /></a>
        <div id="nav-close-container">
          <div id="nav-close" class="close"></div>
        </div>
      </div>
    </nav>
    <header id="checkout">
      <div class="wrapper">
        <h1>Checkout</h1>
        <div id="checkout-container">
          <div id="checkout-left">
            <form>
              <div id="form-top">
                <div class="label-container">
                  <label for="fullName">Full
Name:</label>
                  <input type="text" name="fullName"
id="fullName" placeholder="eg. John Smith" />
                  <p></p>
                </div>
                <div class="label-container">
                  <label for="email">Email:</label>
```

```html
                <input type="text" name="email"
id="email" placeholder="eg. johnsmith@mail.com" />
                  <p></p>
                </div>
              </div>
              <div id="form-address">
                <div class="label-container">
                  <label for="address">Address:</label>
                  <input type="text" name="address"
id="address" placeholder="eg. Wills 5A" />
                  <p></p>
                </div>
                <div class="label-container">
                  <label for="postal-code">Postal
code:</label>
                  <input type="number" id="postal-code"
name="postal-code" min="10000" max="99999"
placeholder="eg. XXXXX" />
                  <p></p>
                </div>
              </div>
              <div id="form-textarea">
                <div class="label-container">
                  <label for="message">Message:</label>
                  <textarea name="message" id="message"
placeholder="Do you have some aditional
requirements?"></textarea>
                  <p></p>
                </div>
              </div>
              <div id="form-bottom">
                <div class="label-container">
                  <input type="checkbox" id="accept-tos"
name="accept-tos" />
                  <label for="accept-tos">Accept Terms
of Use.</label>
```

```html
                    <p></p>
                  </div>
                  <div class="button-container">
                    <input class="btn-primary"
type="button" value="Send" id="contact-submit" />
                    <p></p>
                  </div>
                </div>
              </form>
            </div>
            <div id="checkout-right">
              <div id="checkout-product-list"></div>
              <p id="checkout-total"></p>
            </div>
          </div>
        </div>
      </header>
      <section class="shopping-card-container">
        <div id="card-close"></div>
        <p id="card-heading">Card</p>
        <div id="card-products"></div>
        <div>
          <p id="card-total-price"></p>
        </div>
        <div id="card-btns">
          <a href="checkout.html" class="btn-
sec">Checkout</a>
          <input type="button" class="btn-sec" id="delete-
all-products" value="Clear" />
        </div>
      </section>
      <footer id="footer"></footer>
      <script
src="https://kit.fontawesome.com/92e251ce56.js"
crossorigin="anonymous"></script>
      <script src="assets/js/main.min.js"></script>
```

```
    </body>
</html>
```

3.1.4 about-us.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" />
    <link rel="stylesheet" type="text/css"
href="assets/css/style.min.css" />
    <link rel="icon" type="image/x-icon"
href="assets/img/favicon.ico" />
    <meta name="keywords" content="KeyTech, keyboard,
enthusiasts, new york, razer, logitech, keychron,
choice" />
    <meta name="description" content="We are a group of
keyboard enthusiasts. Our company is based in New York.
Our job is to offer the best keyboards, and it's up to
you to choose." />
    <title>KeyTech | About Us</title>
  </head>
  <body>
    <nav>
      <div id="nav-warpper" class="wrapper">
        <a href="index.html"><img
src="assets/img/logo.png" id="logo" alt="logo" /></a>
        <div id="nav-close-container">
          <div id="nav-close" class="close"></div>
        </div>
```

```html
      </div>
    </nav>
    <header id="about-us">
      <div class="wrapper">
        <h1>About us</h1>
        <div id="about-us-container">
          <p>KeyTech was formed in 2017 by a group of
keyboard enthusiasts. Our company is based in New York.
We sell keyboards from renowned brands like Logitech,
Keychron, Razer, and more. We set aside our time when
choosing keyboards to give you the best choice and you
don't have to waste time.</p>
          <img src="assets/img/store.jpg" alt="Store
building" />
        </div>
      </div>
    </header>
    <section id="about-us-map">
      <iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3
!1d193595.15831093167!2d-
74.11976278775128!3d40.69766374797441!2m3!1f0!2f0!3f0!3m
2!1i1024!2i768!4f13.1!3m3!1m2!1s0x89c24fa5d33f083b%3A0xc
80b8f06e177fe62!2sNew%20York%2C%20NY%2C%20USA!5e0!3m2!1s
en!2srs!4v1650319694935!5m2!1sen!2srs" loading="lazy"
referrerpolicy="no-referrer-when-downgrade"></iframe>
    </section>
    <section class="shopping-card-container">
      <div id="card-close"></div>
      <p id="card-heading">Card</p>
      <div id="card-products"></div>
      <div>
        <p id="card-total-price"></p>
      </div>
      <div id="card-btns">
```

```html
        <a href="checkout.html" class="btn-
sec">Checkout</a>
        <input type="button" class="btn-sec" id="delete-
all-products" value="Clear" />
      </div>
    </section>
    <footer id="footer"></footer>
    <script
src="https://kit.fontawesome.com/92e251ce56.js"
crossorigin="anonymous"></script>
    <script src="assets/js/main.min.js"></script>
  </body>
</html>
```

3.2 CSS
3.2.1 style.css

```css
@import
url("https://fonts.googleapis.com/css2?family=Roboto:wgh
t@300;400;700;900&display=swap");

:root {
  --primary-font: #f2f2f2;
}

/* CSS reset */
*,
*::before,
*::after {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}
```

```css
body {
  font-size: 100%;
  font-family: "Roboto", sans-serif;
}

a {
  text-decoration: none;
}

ul {
  list-style-type: none;
}

img {
  max-width: 100%;
}
h1 {
  display: inline-block;
  margin: 50px 0;
  font-size: 2.5rem;
  position: relative;
}
h1::after {
  content: "";
  position: absolute;
  bottom: 0;
  left: 0;
  width: 120%;
  height: 3px;
  background-color: red;
}
.wrapper {
  margin: 0 10vw;
}
body {
```

```css
    position: relative;
}
nav {
  position: fixed;
  margin-top: -90px;
  width: 100%;
  background-color: var(--primary-font);
  z-index: 2;
}
nav ul li a {
  font-size: 1.2rem;
}

header {
  margin-top: 90px;
}

nav .wrapper {
  display: flex;
  justify-content: space-between;
  align-items: center;
  padding: 30px 0;
  z-index: 3;
}
.navbar-list {
  display: flex;
  justify-content: space-between;
  align-items: center;
}
.navbar-list li {
  list-style-type: none;
}

.navbar-list li a {
  padding: 5px;
  margin: 0 5px;
```

```css
  color: black;
  position: relative;
}
.navbar-list li a:hover::after {
  content: "";
  position: absolute;
  bottom: 0;
  left: 0;
  width: 100%;
  height: 3px;
  background-color: red;
  transition: all 1s;
}

#nav-close-container {
  display: none;
  position: relative;
  width: 28px;
  height: 24px;
  z-index: 2;
}
#nav-close-container:hover .close {
  opacity: 1;
}
#nav-close {
  z-index: 2;
}
#nav-close,
#nav-close::after,
#nav-close::before {
  background-color: #3d3d3d;
}

/* Landing page */
#landing-page {
```

```css
    background-image: url("/assets/img/header-
graphic.svg");
    background-repeat: no-repeat;
    background-size: cover;
}
#landing-page h1 {
    color: var(--primary-font);
}
header {
    position: relative;
}
#store-container {
    display: flex;
    flex-direction: row-reverse;
    min-height: 100vh;
}
#side-filter {
    width: 200px;
    padding-top: 20px;
    padding-left: 10px;
    background-color: #006bb2;
}
#side-filter p {
    font-size: 1.2rem;
    font-weight: 600;
    pointer-events: none;
    margin: 5px 0;
}
#side-filter label,
input {
    font-size: 1.1rem;
}
#sort-product-placeholder {
    font-size: 1rem;
    padding: 5px;
    margin-bottom: 5px;
```

```css
  border-radius: 5px;
}

footer {
  background-color: #006bb2;
}
footer .wrapper {
  display: flex;
  align-items: center;
  flex-direction: column;
}

#footer-top {
  display: flex;
  position: relative;
  justify-content: space-between;
  align-items: flex-start;
  padding: 20px 0 10px 0;
}
#footer-top::after {
  position: absolute;
  content: "";
  bottom: 0;
  left: 0;
  width: 100%;
  height: 2px;
  background-color: #00497a;
  border-radius: 50%;
}
#footer-top > div {
  width: 30vw;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
}
```

```css
#footer-top > div > p {
  font-weight: 600;
  margin-bottom: 5px;
  position: relative;
  font-size: 1.4rem;
  color: var(--primary-font);
}
#footer-top > div > p::after {
  position: absolute;
  content: "";
  bottom: 0;
  left: 0;
  width: 130%;
  height: 3px;
  background-color: var(--primary-font);
}
#footer-top ul li a {
  color: var(--primary-font);
  font-size: 1.2rem;
}

#footerNav p {
  margin-left: 25px;
}
#footerSocial p {
  margin-left: -25px;
}
#footerDocument p {
  margin-left: -75px;
}
#footer-bottom {
  padding: 10px 0;
}
#footer-bottom p {
  color: #002d4b;
}
```

```css
/* Product */
#products {
  display: flex;
  flex-wrap: wrap;
  justify-content: space-around;
  gap: 50px;
  width: 100%;
  padding-bottom: 50px;
}
#right-products-container {
  background-image: url("/assets/img/store-
background.svg");
  background-repeat: no-repeat;
  background-size: cover;
  width: 100%;
}
#right-products-container h1 {
  margin-left: 20px;
  color: var(--primary-font);
}
.product {
  display: flex;
  flex-direction: column;
  position: relative;
  height: 450px;
  width: 250px;
  background-color: rgb(164 211 255);
  padding: 20px;
  border-radius: 10px;
}
.product img {
  margin-bottom: 20px;
  border-radius: 5px;
  background-color: var(--primary-font);
  height: 200px;
  object-fit: contain;
```

```css
}
.product .product-category-name {
  color: gray;
  margin-bottom: 10px;
}
.product .product-add-to-card-btn {
  align-self: flex-end;
  display: block;
  padding: 5px 10px;
}
.product .product-description {
  padding: 5px 0;
  color: gray;
}
.product .product-price {
  display: flex;
  flex-direction: column;
}
.product .product-price .product-price-new,
.product .product-price .product-price-old {
  align-self: center;
}
.product .product-add-to-card-btn {
  background-color: #42a3ff;
  border: 0;
  padding: 10px;
  border-radius: 5px;
  margin-top: 5px;
}

/* Shop card menu */
.shopping-card-container {
  top: 0;
  right: -100%;
  position: fixed;
  display: flex;
```

```css
  flex-direction: column;
  min-width: 400px;
  height: 100%;
  background-color: #004d80;
  padding: 20px;
  overflow-y: scroll;
  overflow-y: auto;
  overflow-y: scroll;
  direction: ltr;
  scrollbar-color: #d4aa70 #e4e4e4;
  scrollbar-width: thin;
  transition: all 1s;
  z-index: 3;
  color: var(--primary-font);
}
.shopping-card-active {
  right: 0;
  transition: all 0.5s;
}

.shopping-card-container::-webkit-scrollbar {
  width: 20px;
}
.shopping-card-container::-webkit-scrollbar-track {
  background-color: #e4e4e4;
}
.shopping-card-container::-webkit-scrollbar-thumb {
  border-radius: 100px;
  border: 3px solid transparent;
  background-clip: content-box;
  background-color: #929292;
}
#card-close {
  position: absolute;
  right: 30px;
  top: 20px;
```

```css
  width: 26px;
  height: 26px;
}
#card-close::before {
  content: "";
  position: absolute;
  top: 0;
  left: 13px;
  width: 3px;
  height: 25px;
  background-color: rgb(180, 180, 180);
  transform: rotate(45deg);
}
#card-close::after {
  content: "";
  position: absolute;
  top: 0;
  left: 13px;
  width: 3px;
  height: 25px;
  background-color: rgb(180, 180, 180);
  transform: rotate(-45deg);
}
#card-heading {
  position: relative;
  font-size: 2rem;
  margin: 20px 0;
}
#card-heading::after {
  content: "";
  position: absolute;
  bottom: 0;
  left: 0;
  width: 45%;
  height: 3px;
  background-color: rgb(255, 255, 255);
```

```css
}
.card-product {
  padding: 20px 0;
  display: flex;
}
.card-product img {
  height: 100px;
  width: 100px;
  object-fit: contain;
  margin-right: 20px;
  background-color: #ffffff;
  border-radius: 5px;
}
.card-product-right {
  width: 80%;
}
.card-product-right p {
  margin-bottom: 5px;
}
.card-product-tools {
  display: flex;
  justify-content: space-between;
  margin-top: 20px;
}
/* .card-product-tools i {
  display: block;
} */
.card-product-quantity {
  display: flex;
  justify-content: space-between;
  margin-right: 25px;
}
.card-product-quantity input[type="button"] {
  width: 25px;
  height: 25px;
}
```

```css
.card-product-quantity p {
  position: relative;
  padding: 0 10px;
  margin: 0 5px;
}
.card-product-quantity p::after {
  position: absolute;
  content: "";
  bottom: 0;
  left: 0;
  width: 100%;
  height: 2px;
  background-color: red;
}
.card-product:last-child {
  position: relative;
}
.card-product:last-child::after {
  position: absolute;
  content: "";
  bottom: 0;
  left: 0;
  width: 100%;
  height: 3px;
  background-color: red;
}
/* Empty card */
#empty-card {
  margin-bottom: 10px;
  font-size: 1.2rem;
  font-weight: 500;
}
.fa-trash:hover {
  color: red;
}
/* Btns */
```

```css
#card-btns {
  display: flex;
  justify-content: space-between;
  margin-top: 10px;
}
.btn-sec {
  background-color: #0099ff;
  padding: 5px 10px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  color: #f2f2f2;
}
.btn-sec:hover {
  background-color: #003355;
  color: var(--primary-font);
}

/* Message modal */
.message {
  position: fixed;
  bottom: 20px;
  right: 40px;
  padding: 10px;
  background-color: rgb(211, 211, 211);
  animation: addToCardMessageAnimation 5s;
  opacity: 0;
  z-index: 5;
}
.message::before {
  content: "";
  position: absolute;
  width: 10px;
  height: 100%;
  top: 0;
  left: -5px;
```

```css
  background-color: #135988;
}

/* Slideshow */
.slideshow-container {
  height: 300px;
  position: relative;
}

.slide {
  display: none;
  height: 100%;
  text-align: center;
  transition: all;
}
.slide img {
  object-fit: scale-down;
  height: 120%;
}
.prev,
.next {
  position: absolute;
  background: rgb(185, 185, 185);
  padding: 10px;
  top: 43%;
  font-size: 24px;
  margin-top: -10px;
  color: #eee;
  border-radius: 5px;
  user-select: none;
  cursor: pointer;
  transition: all 0.2s;
}

.prev {
  left: 5px;
```

```css
}
.next {
  right: 5px;
}


/* Checkout */
#checkout {
  min-height: 100vh;
  background-image: url("/assets/img/checkout-bg.svg");
  background-position: top;
  background-repeat: no-repeat;
  background-size: cover;
}
#checkout h1 {
  color: var(--primary-font);
}
#checkout-container {
  display: flex;
}
#checkout-left,
#checkout-right {
  width: 50%;
}
#checkout-left input,
#checkout-left textarea {
  border: 2px solid rgb(164, 211, 255);
  border-radius: 5px;
}
#checkout-right {
  background-color: rgb(164, 211, 255);
  border-radius: 20px;
  height: 50%;
}
#checkout-product-list {
  display: flex;
  flex-direction: column;
```

```css
  overflow-y: scroll;
  overflow-y: auto;
  overflow-y: scroll;
  direction: ltr;
  scrollbar-color: #d4aa70 #e4e4e4;
  scrollbar-width: thin;
  height: 300px;
  padding: 20px;
}

#checkout-product-list::-webkit-scrollbar {
  width: 20px;
}
#checkout-product-list::-webkit-scrollbar-track {
  border-radius: 0 10px 0 0;
  background-color: rgb(201 220 237);
}
#checkout-product-list::-webkit-scrollbar-thumb {
  border-radius: 100px;
  border: 3px solid transparent;
  background-clip: content-box;
  background-color: #a0a0a0;
}

#checkout-total {
  font-weight: 800;
  font-size: 1.4rem;
  padding: 5px 20px;
  position: relative;
}
#checkout-total::before {
  content: "";
  top: 0;
  left: 0;
  width: 100%;
  height: 3px;
```

```css
  background-color: red;
  position: absolute;
}


#checkout-product-list .card-product:last-child::after {
  display: none;
}


.label-container label {
  display: block;
  font-size: 1.2rem;
  padding: 7px 0;
}
#form-bottom label {
  display: inline-block;
}
#form-bottom input[type="checkbox"] {
  transform: scale(1.2);
  margin-right: 3px;
}


.label-container input[type="text"],
.label-container input[type="number"] {
  padding: 5px;
  width: 60%;
}
.label-container textarea {
  padding: 5px;
  min-height: 150px;
  width: 60%;
}
.button-container .btn-primary {
  height: 35px;
  width: 100px;
  display: block;
  margin-top: 20px;
```

```css
}
.btn-primary {
  background-color: gray;
  position: relative;
  border: none;
  z-index: 1;
  cursor: pointer;
  display: block;
  border-bottom: #65a10e 2px solid;
}
.btn-primary:hover {
  transition: 0.5s ease-in-out;
  background-color: rgb(17, 148, 17);
}
.bad-form-element {
  color: red;
  padding-top: 5px;
}
#checkout-container {
  margin-top: 50px;
}
/* About me */
#about-me-container {
  position: absolute;
  top: 10vh;
  left: 10vw;
  animation: fadeIn 1s;
}
#about-me {
  background-color: #2a427c;
  max-height: 100vh;
  width: 80vw;
  margin: 0 auto;
  display: flex;
  position: relative;
}
```

```css
#about-me-right {
  padding: 20px 40px;
}
#about-me-left {
  min-width: 200px;
  background-color: #3a5cad;
}
#about-me-righ {
  width: 70%;
}
#about-me-content {
  height: 80%;
  display: flex;
  flex-direction: column;
  justify-content: space-between;
}
#about-me-left img {
  display: block;
  max-height: 70%;
  background-color: #2b2b2b;
  object-fit: cover;
}
#about-social {
  display: flex;
  flex-direction: row;
}
#about-me-info-content li {
  padding: 7%;
  position: relative;
}
#about-me-info-content li::after {
  content: "";
  position: absolute;
  bottom: 0;
  left: 0;
  width: 100%;
```

```css
  height: 1px;
  background-color: var(--primary-font);
}
#about-me-info-content li {
  color: var(--primary-font);
}
#about-me-info-content li a,
#about-me-info-content li p span {
  color: var(--primary-font);
  filter: brightness(0.85);
}
#about-social ul {
  display: flex;
}
#about-social {
  padding: 7%;
}
#about-social li a {
  font-size: 2rem;
  margin-right: 20px;
  color: var(--primary-font);
}
#about-me-right h2 {
  font-size: 2.5rem;
  position: relative;
  display: inline-block;
  margin-bottom: 5%;
  color: var(--primary-font);
}
#about-me-right h2::after {
  content: "";
  position: absolute;
  bottom: 0;
  left: 0;
  width: 120%;
  height: 3px;
```

```css
  background-color: var(--primary);
}
#about-me-text {
  font-size: 1.3rem;
  color: var(--primary-font);
}
/* Quotes */
#quote-box {
  opacity: 0;
  animation: fade infinite 2s;
  color: rgb(160, 160, 160);
}
#quote {
  font-size: 1.2rem;
}
#author {
  text-align: right;
  padding: 5px;
}
#about-me #about-me-close {
  position: absolute;
  top: 20px;
  right: 20px;
  width: 28px;
  height: 24px;
}
#about-me #about-me-close .close {
  position: absolute;
  width: 32px;
  right: 10px;
  top: 10px;
}
#about-me-close:hover .close {
  opacity: 1;
}
#about-me::after {
```

```css
  content: "";
  position: absolute;
  bottom: 0;
  left: 0;
  width: 100%;
  height: 3px;
  background-color: var(--primary-font);
}
#about-me-close::before,
#about-me-close::after {
  background-color: gray;
}
.cross::before,
.cross::after {
  background-color: red;
}
.close {
  position: absolute;
  left: 0;
  top: 10px;
  width: 100%;
  height: 3px;
  opacity: 0.5;
  transition: all 0.3s;
  background-color: rgb(128, 128, 128);
  transition: all 0.3s ease;
}
.close:hover {
  opacity: 1;
}
.close:before,
.close:after {
  content: "";
  position: absolute;
  left: 0;
  height: 3px;
```

```css
    width: 100%;
    background-color: var(--primary-font);
}
.close:before {
    top: -10px;
}
.close:after {
    top: 10px;
}
.cross::before {
    transform: rotate(-45deg) translate(-8px, 6px);
    opacity: 1;
    background-color: rgb(128, 128, 128);
}
.cross {
    height: 0;
    transform: rotate(180deg);
}
.cross::after {
    transform: rotate(45deg) translate(-8px, -6px);
    opacity: 1;
    background-color: rgb(128, 128, 128);
}

/* About us */
#about-us {
    min-height: 80vh;
    background-image: url("/assets/img/about-us-bg.svg");
    background-position: bottom;
    background-repeat: no-repeat;
    background-size: cover;
}
#about-us h1 {
    color: var(--primary-font);
}
#about-us-container {
```

```css
  display: flex;
  margin-top: 50px;
  gap: 20px;
}
#about-us-container p {
  font-size: 1.5rem;
  line-height: 1.5;
}
#about-us-container img {
  width: 40%;
  border-radius: 10px;
  object-fit: cover;
}
#about-us-map iframe {
  display: block;
  background-color: #0099ff;
  height: 30vh;
  width: 100%;
  border: 0;
}
/* Response */
@media only screen and (max-width: 1025px) {
  #checkout-left input[type="text"],
  .label-container input[type="number"],
  #checkout-left textarea {
    width: 80%;
  }
}

@media only screen and (max-width: 769px) {
  /* Navigation */
  .navbar-list {
    position: fixed;
    right: 10vw;
    top: 0;
    flex-direction: column;
```

```css
  justify-content: flex-start;
  height: 100vh;
  width: 60%;
  padding-top: 40px;
  transform: translateX(100%);
  transition: transform 0.5s ease-in-out;
  background-color: #006bb2;
  margin: 0 -10vw;
}
.navbar-list li {
  padding: 20px;
}
.navbar-list li a {
  color: var(--primary-font);
}
#nav-close-container {
  display: block;
  position: fixed;
  right: 20px;
  top: 20px;
  z-index: 5;
}
.nav-active {
  transform: translateX(0%);
}

/* About me */
#about-me-container {
  left: 5vw;
}
#about-me {
  max-height: unset;
  width: 90vw;
}
#about-me-right {
  padding: 20px;
```

```css
  }
  #about-me-right h2 {
    font-size: 1.5rem;
  }
  #about-me-text {
    font-size: 1.1rem;
  }
  #quote {
    font-size: 1rem;
  }
  #checkout-container {
    flex-direction: column-reverse;
    gap: 30px;
  }
  #checkout-right,
  #checkout-left {
    width: 100%;
    padding-bottom: 50px;
  }
  #checkout-left input[type="text"],
  .label-container input[type="number"],
  #checkout-left textarea {
    width: 100%;
  }
  /* About us */
  #about-us h1 {
    margin: 50px 0 0 0;
  }
  #about-us-container {
    flex-direction: column;
  }
  #about-us-container img {
    width: 100%;
    margin-bottom: 20px;
  }
}
```

```css
@media only screen and (max-width: 481px) {
  #about-me {
    flex-direction: column-reverse;
  }
  #about-me-left {
    display: flex;
    flex-direction: column-reverse;
  }
  #quote-box {
    padding-top: 20px;
  }
  .sponsor-item i {
    font-size: 5rem;
  }
  #store-container {
    flex-direction: column-reverse;
  }
  #side-filter {
    width: 100%;
    display: flex;
    justify-content: center;
    align-items: center;
    flex-direction: row;
    flex-wrap: wrap;
    gap: 5%;
  }
  #side-filter > div {
    width: 40%;
  }
  #side-filter > input {
    display: block;
    width: 40%;
  }
  #footer-top {
    flex-wrap: wrap;
```

```css
    justify-content: center;
    gap: 25px;
  }
  .shopping-card-container {
    width: 100%;
    min-width: auto;
  }
}

/* Animations */
@keyframes addToCardMessageAnimation {
  0% {
    right: -100px;
  }
  25% {
    right: 40px;
  }
  50% {
    opacity: 1;
  }
  80% {
    opacity: 1;
  }
  100% {
    opacity: 0;
  }
}
@keyframes fade {
  20% {
    opacity: 1;
  }
  80% {
    opacity: 1;
  }
}
```

3.3 JS

3.3.1 main.js

```js
window.onload = () => {
  fetchData("navLinks", createNavBar);
  fetchData("categories");
  fetchData("brands");
  fetchData("connectionTypes");
  fetchData("quotes");
  fetchData("navLinks", createFooterNavLinks);
  fetchData("socialLinks", createFooterSocialLinks);
  fetchData("documentLinks", createFooterDocumentLinks);

  function fetchData(fileName, callBack) {
    fetch(`./assets/data/${fileName}.json`)
      .then((response1) => response1.json())
      .then((response2) => {
        if (callBack != null) {
          callBack(response2);
        }
        return response2;
      })
      .then((response3) => {
        localStorage.setItem(`${fileName}Local`,
JSON.stringify(response3));
        return response3;
      })
      .then((response4) => {
        return response4;
      });
  }

  function createNavBar(data) {
    navLinks("nav-warpper", data);
    navLinkShop("navbar-container");
```

```javascript
    eventListener("shopping-card", "id", "click",
openCard);
    eventListener("card-close", "id", "click",
closeCard);
    createFooter();
  }

  function navLinkShop(ulID) {
    let ulTag = document.getElementById(`${ulID}`);
    let liTag = document.createElement("li");
    let iTag = document.createElement("i");
    iTag.setAttribute("class", "fa-solid fa-basket-
shopping");
    iTag.setAttribute("id", "shopping-card");
    liTag.appendChild(iTag);
    let pTag = document.createElement("span");
    pTag.setAttribute("id", "incard-product-number");
    liTag.appendChild(pTag);
    ulTag.appendChild(liTag);
    inCardCount();
  }

  function navLinks(id, navLinksLocal) {
    let container = document.getElementById(`${id}`);
    let ulTag = document.createElement("ul");
    ulTag.setAttribute("id", "navbar-container");
    ulTag.setAttribute("class", "navbar-list");
    for (let link of navLinksLocal) {
      let liTag = document.createElement("li");
      let aTag = document.createElement("a");
      let aTagContent =
document.createTextNode(`${link.name}`);
      aTag.append(aTagContent);
      aTag.setAttribute("href", `${link.link}`);
      liTag.appendChild(aTag);
      ulTag.appendChild(liTag);
```

```
      }
    container.appendChild(ulTag);
  }


  function brandsFilter(productsArray) {
    let selectedBrands = [];
    let brandsElements =
document.querySelectorAll(".brands-filter-
item:checked");
    for (let element of brandsElements) {
      selectedBrands.push(parseInt(element.value));
    }
    if (selectedBrands.length != 0) {
      return productsArray.filter(function (el) {
        for (let item of selectedBrands) {
          if (el.brandID == item) {
            return el;
          }
        }
      });
    }
    return productsArray;
  }

  function categoryFilter(productsArray) {
    let selectedCategory = [];
    let categoryElements =
document.querySelectorAll(".category-filter-
item:checked");
    for (let element of categoryElements) {
      selectedCategory.push(parseInt(element.value));
    }
    if (selectedCategory.length != 0) {
      return productsArray.filter(function (el) {
        for (let item of selectedCategory) {
          if (el.brandID == item) {
```

```javascript
            return el;
          }
        }
      });
    }
    return productsArray;
  }

  function connectionTypeFilter(productsArray) {
    let connectionTypes = [];
    let connectionTypeElement =
document.querySelectorAll(".connection-type-filter-
item:checked");
    for (let element of connectionTypeElement) {
      connectionTypes.push(parseInt(element.value));
    }
    if (connectionTypes.length != 0) {
      return productsArray.filter(function (el) {
        for (let item of connectionTypes) {
          if (el.connectionTypeID == item) {
            return el;
          }
        }
      });
    }
    return productsArray;
  }

  function showProducts(productsArray) {
    productsArray = brandsFilter(productsArray);
    productsArray = categoryFilter(productsArray);
    productsArray = connectionTypeFilter(productsArray);
    productsArray = reviewsFilter(productsArray);
    let html = "";
    let container = document.getElementById("products");
    if (productsArray.length != 0) {
```

```javascript
    for (let product of productsArray) {
      html += `<div class="product">
                <img src="${product.image.src}"
alt="${product.image.alt}" />
                <p class="product-category-
name">${categoryName(product.categoryID)}</p>
                <p class="product-
brandname">${showBrand(product.brandID)}</p>
                <p class="product-
name">${product.name}</p>
                <p class="product-
description">${product.descript}</p>
                <p class="product-reviews">Reviews:
${product.score}<i class="fa-solid fa-star"></i></p>
                <div class="product-price">
                  <p>Price:</p>
                  <s class="product-price-
old">${product.price.discount != 0 ? product.price.old +
"$" : ""}</s>
                  <p class="product-price-
new">${priceCalculator(product.price.old,
product.price.discount)}$</p>
                </div>
                <input class="product-add-to-card-btn"
type="button" data-id="${product.id}" value="Add to
card" />
            </div>`;
    }
  } else {
    html += `<div id="product-message">
                <h2>There is no products with selected
criteria!</h2>
              </div>`;
  }
  container.innerHTML = html;
  inCardProductsShow();
```

```javascript
    let scoreP = document.getElementById("reviews-range-
place");
    if (scoreP != null) {
      let rangeSlider =
document.getElementById("reviews-range-sllider");
      scoreP.innerHTML = rangeSlider.value / 10;
    }
    eventListener("product-add-to-card-btn", "class",
"click", addToCard);
  }
  function categoryName(productCategoryID) {
    let categoriesArray = jsonParse("categoriesLocal");
    let categoryName = categoriesArray.filter(function
(el) {
      return el.id == productCategoryID;
    });
    return categoryName[0].name;
  }
  function priceCalculator(productPrice,
productDiscount) {
    let price = productPrice * ((100 - productDiscount)
/ 100);
    return price.toFixed(2);
  }
  function showBrand(brandID) {
    let html = "";
    let brandsArray = jsonParse("brandsLocal");
    for (let brand of brandsArray) {
      if (brand.id == brandID) {
        html += `${brand.name}`;
      }
    }
    return html;
  }

  function filterProducts() {
```

```javascript
    let productsArray = jsonParse("productsLocal");
    showProducts(productsArray);
  }
  // Make side filters
  function showFiltersBrand(data) {
    showProductsFilter("Brands", "brands-filter", data,
"brands-filter-item");
  }
  function showFiltersCategory(data) {
    showProductsFilter("Category", "category-filter",
data, "category-filter-item");
  }
  function showFiltersConnectionType(data) {
    showProductsFilter("Connection", "connection-type-
filter", data, "connection-type-filter-item");
  }

  function showProductsFilter(filterName, containerName,
arrayName, className) {
    let html = "";
    html += `<p>${filterName}</p>
              <ul>`;
    let container =
document.getElementById(containerName);
    for (let item of arrayName) {
      html += `<li>
                    <input type="checkbox"
name="${item.name}" class="${className}"
value="${item.id}" id="${item.name}">
                    <label
for="${item.name}">${item.name} </label>
                </li>`;
    }
    html += `</ul>`;
    container.innerHTML = html;
```

```javascript
    eventListener(className, "class", "change",
filterProducts);
  }

  // Show Reviews side filter

  function showReviews() {
    let container = document.getElementById("reviews-
filter");
    let html = `<p>Reviews</p>
        <div class="slidecontainer">
          <input type="range" min="10" max="50"
value="1" class="slider reviews-filter-item"
id="reviews-range-sllider" />
          <p id="reviews-range-place"></p>
        </div>`;
    container.innerHTML = html;
    let score = document.getElementById("reviews-range-
sllider");
    let scoreP = document.getElementById("reviews-range-
place");
    scoreP.innerHTML = "1";
    score.addEventListener("click", filterProducts);
  }
  // Filter products per reviews
  function reviewsFilter(productsArray) {
    let scoreContainer =
document.getElementById("reviews-range-sllider");
    let score;
    if (scoreContainer == null) {
      score = 1;
    } else {
      score = scoreContainer.value / 10;
    }
    return productsArray.filter(function (el) {
      if (el.score >= score) {
```

```javascript
      return el;
    }
  });
}

function createFooter() {
  let footerId = document.getElementById("footer");
  let footerWrapper = document.createElement("div");
  footerWrapper.setAttribute("class", "wrapper");
  let footerTop = document.createElement("div");
  let navLinksLocal = jsonParse("navLinksLocal");
  footerTop.setAttribute("id", "footer-top");
  let footerBottom = document.createElement("div");
  let footerCopyright = document.createElement("p");
  let footerCopyrightContent =
document.createTextNode("© Copyright 2022");
  footerCopyright.appendChild(footerCopyrightContent);
  footerBottom.appendChild(footerCopyright);
  footerBottom.setAttribute("id", "footer-bottom");
  footerWrapper.appendChild(footerTop);
  footerWrapper.appendChild(footerBottom);
  footerId.appendChild(footerWrapper);
}

function createFooterNavLinks(data) {
  let footerTop = document.getElementById("footer-
top");
  createUlLinks(data, footerTop, "footerNav",
"Navigation");
  aboutMePage();
}
function createFooterSocialLinks(data) {
  let footerTop = document.getElementById("footer-
top");
  createUlLinks(data, footerTop, "footerSocial",
"Social");
```

```javascript
  }
  function createFooterDocumentLinks(data) {
    let footerTop = document.getElementById("footer-
top");
    createUlLinks(data, footerTop, "footerDocument",
"Links");
  }

  function createUlLinks(dataArray, mainContainer,
divId, pContent) {
    let divContainer = document.createElement("div");
    divContainer.setAttribute("id", `${divId}`);
    let pContaier = document.createElement("p");
    let pContaierContent =
document.createTextNode(`${pContent}`);
    pContaier.appendChild(pContaierContent);
    divContainer.appendChild(pContaier);
    let containerUl = document.createElement("ul");
    divContainer.appendChild(containerUl);
    for (let link of dataArray) {
      let navLinksLi = document.createElement("li");
      let navLinksA = document.createElement("a");
      let navLinksAContent =
document.createTextNode(`${link.name}`);
      navLinksA.setAttribute("href", `${link.link}`);
      navLinksA.appendChild(navLinksAContent);
      navLinksLi.appendChild(navLinksA);
      containerUl.appendChild(navLinksLi);
    }
    mainContainer.appendChild(divContainer);
  }

  function eventListener(name, tagType, eventMethod,
functionName) {
    if (tagType == "id") {
      let item = document.querySelector(`#${name}`);
```

```javascript
      item.addEventListener(`${eventMethod}`,
functionName);
    } else {
      let items = document.querySelectorAll(`.${name}`);
      for (let item of items) {
        item.addEventListener(`${eventMethod}`,
functionName);
      }
    }
  }

  function addToCard() {
    let dataID = this.getAttribute("data-id");
    if (localStorage.getItem("addToCardList")) {
      let addToCardList = jsonParse("addToCardList");
      if (addToCardList.filter((e) => e.id ==
dataID).length) {
        cardMessages("Product already in card!");
      } else {
        addToCardList.push({
          id: dataID,
          quantity: 1,
        });
        cardMessages("Product added to card!");
        localStorage.setItem("addToCardList",
JSON.stringify(addToCardList));
      }
    } else {
      let jsonTe = [];
      jsonTe[0] = {
        id: dataID,
        quantity: 1,
      };
      localStorage.setItem("addToCardList",
JSON.stringify(jsonTe));
      cardMessages("Product added to card!");
```

```
    }
    inCardCount();
    inCardProductsShow();
    classGe();
  }

  // Test shopping-card-container
  function openCard() {
    let shoppingCardContainer =
document.querySelector(".shopping-card-container");
    shoppingCardContainer.classList.add("shopping-card-
active");
  }
  function closeCard() {
    let shoppingCardContainer =
document.querySelector(".shopping-card-container");
    shoppingCardContainer.classList.remove("shopping-
card-active");
  }

  // Add to card
  const addToCardBtnsList =
document.querySelectorAll(".product-add-to-card-btn");
  for (let addToCardBtn of addToCardBtnsList) {
    addToCardBtn.addEventListener("click", function () {
      let dataID = this.getAttribute("data-id");
      if (localStorage.getItem("addToCardList")) {
        let addToCardList = jsonParse("addToCardList");
        if (addToCardList.filter((e) => e.id ==
dataID).length) {
          cardMessages("Product already in card!");
        } else {
          addToCardList.push({
            id: dataID,
            quantity: 1,
          });
```

```javascript
          cardMessages("Product added to card!");
          localStorage.setItem("addToCardList",
JSON.stringify(addToCardList));
        }
      } else {
        let jsonTe = [];
        jsonTe[0] = {
          id: dataID,
          quantity: 1,
        };
        localStorage.setItem("addToCardList",
JSON.stringify(jsonTe));
      }
      inCardCount();
      inCardProductsShow();
    });
  }

  // Add to card message
  function cardMessages(text) {
    let messageDivTest =
document.querySelector(".message");
    if (messageDivTest) {
      messageDivTest.parentNode.removeChild(messageDivTe
st);
    }
    let messageDiv = document.createElement("div");
    messageDiv.setAttribute("class", "message");
    let pTag = document.createElement("p");
    let pTagContent =
document.createTextNode(`${text}`);
    pTag.appendChild(pTagContent);
    messageDiv.appendChild(pTag);
    let bodyTag = document.getElementsByTagName("body");
    bodyTag[0].appendChild(messageDiv);
    var clearElement = setInterval(() => {
```

```javascript
      if (messageDiv.parentElement == null) {
        clearInterval(clearElement);
      } else {
        messageDiv.parentElement.removeChild(messageDiv)
;
      }
    }, 5000);
  }

  // In card counter
  function inCardCount() {
    let pTag = document.getElementById("incard-product-
number");
    if (localStorage.getItem("addToCardList")) {
      let cardCounts =
jsonParse("addToCardList").length;
      pTag.innerHTML = ` (${cardCounts})`;
    } else {
      pTag.innerHTML = " (0)";
    }
  }
  // InCardProducts
  function inCardProductsShow() {
    let addToCardList = jsonParse("addToCardList");
    let container = document.getElementById("card-
products");
    let checkoutContainer =
document.getElementById("checkout-product-list");
    container.innerHTML = "";
    if (addToCardList != null) {
      for (let item of addToCardList) {
        let cardProdict = document.createElement("div");
        cardProdict.setAttribute("class", "card-
product");
        let imgContainer =
document.createElement("img");
```

```javascript
        imgContainer.setAttribute("src",
`${showInCardProductData(item.id, "image", "src")}`);
        imgContainer.setAttribute("alt",
`${showInCardProductData(item.id, "image", "alt")}`);
        cardProdict.appendChild(imgContainer);
        let cardProduictsRight =
document.createElement("div");
        cardProduictsRight.setAttribute("class", "card-
product-right");
        cardProdict.appendChild(cardProduictsRight);
        let pProductName = document.createElement("p");
        let pProductNameContent =
document.createTextNode(`${showInCardProductData(item.id
, "name")}`);
        pProductName.appendChild(pProductNameContent);
        cardProduictsRight.appendChild(pProductName);
        let pBrandName = document.createElement("p");
        let pPBrandNameContent =
document.createTextNode(`${showInCardProductData(item.id
, "brandID")}`);
        pBrandName.appendChild(pPBrandNameContent);
        cardProduictsRight.appendChild(pBrandName);
        let pProductPrice = document.createElement("p");
        let pProductPriceContent =
document.createTextNode(`${showInCardProductData(item.id
, "price", "new")}`);
        pProductPrice.appendChild(pProductPriceContent);
        cardProduictsRight.appendChild(pProductPrice);
        let cardProductTools =
document.createElement("div");
        cardProductTools.setAttribute("class", "card-
product-tools");
        cardProduictsRight.appendChild(cardProductTools)
;
        let cardProductQuantity =
document.createElement("div");
```

```
        cardProductQuantity.setAttribute("class", "card-
product-quantity");
        let inputValueMinus =
document.createElement("input");
        inputValueMinus.setAttribute("type", "button");
        inputValueMinus.setAttribute("class",
"quantityRegul");
        inputValueMinus.setAttribute("data-id",
`${item.id}`);
        inputValueMinus.setAttribute("value", "-");
        cardProductQuantity.appendChild(inputValueMinus)
;
        let itemQuantity = document.createElement("p");
        let itemQuantityContent =
document.createTextNode(`${item.quantity}`);
        itemQuantity.appendChild(itemQuantityContent);
        cardProductQuantity.appendChild(itemQuantity);
        let inputValuePlus =
document.createElement("input");
        inputValuePlus.setAttribute("type", "button");
        inputValuePlus.setAttribute("class",
"quantityRegul");
        inputValuePlus.setAttribute("data-id",
`${item.id}`);
        inputValuePlus.setAttribute("value", "+");
        cardProductQuantity.appendChild(inputValuePlus);
        cardProductTools.appendChild(cardProductQuantity
);
        let iBin = document.createElement("i");
        iBin.setAttribute("class", "fa fa-trash");
        iBin.setAttribute("data-id", `${item.id}`);
        iBin.setAttribute("aria-hidden", "true");
        cardProductTools.appendChild(iBin);
        container.appendChild(cardProdict);
      }
    } else {
```

```javascript
        let pTag = document.createElement("p");
        let pTagContent = document.createTextNode("Card is
empty.");
        pTag.appendChild(pTagContent);
        pTag.setAttribute("id", "empty-card");
        container.appendChild(pTag);
    }

    if (addToCardList != null && checkoutContainer !=
null) {
        container = document.getElementById("checkout-
product-list");
        container.innerHTML = "";
        for (let item of addToCardList) {
            let cardProdict = document.createElement("div");
            cardProdict.setAttribute("class", "card-
product");
            let imgContainer =
document.createElement("img");
            imgContainer.setAttribute("src",
`${showInCardProductData(item.id, "image", "src")}`);
            imgContainer.setAttribute("alt",
`${showInCardProductData(item.id, "image", "alt")}`);
            cardProdict.appendChild(imgContainer);
            let cardProduictsRight =
document.createElement("div");
            cardProduictsRight.setAttribute("class", "card-
product-right");
            cardProdict.appendChild(cardProduictsRight);
            let pProductName = document.createElement("p");
            let pProductNameContent =
document.createTextNode(`${showInCardProductData(item.id
, "name")}`);
            pProductName.appendChild(pProductNameContent);
            cardProduictsRight.appendChild(pProductName);
            let pBrandName = document.createElement("p");
```

```javascript
        let pPBrandNameContent =
document.createTextNode(`${showInCardProductData(item.id
, "brandID")}`);
        pBrandName.appendChild(pPBrandNameContent);
        cardProduictsRight.appendChild(pBrandName);
        let pProductPrice = document.createElement("p");
        let pProductPriceContent =
document.createTextNode(`${showInCardProductData(item.id
, "price", "new")}`);
        pProductPrice.appendChild(pProductPriceContent);
        cardProduictsRight.appendChild(pProductPrice);
        container.appendChild(cardProdict);
      }
    } else if (checkoutContainer != null) {
      container = document.getElementById("checkout-
product-list");
      container.innerHTML = "";
    }
    deleteProducts();
    classGe();
  }

  function totalPrice() {
    let addToCardList = jsonParse("addToCardList");
    let totalPrice = 0;
    let priceContainer = document.getElementById("card-
total-price");
    let checkoutContainer =
document.getElementById("checkout-total");

    if (addToCardList != null && addToCardList !=
"undefined") {
      let quantityPrice = addToCardList.map(function
(el) {
        let productsArray = jsonParse("productsLocal");
        for (let item of productsArray) {
```

```javascript
        if (item.id == el.id) {
          return el.quantity *
priceCalculator(item.price.old, item.price.discount);
        }
      }
    });
    for (let item of quantityPrice) {
      totalPrice += item;
    }
    priceContainer.innerHTML = `Total:
${totalPrice.toFixed(2)}$`;
  }
  if (checkoutContainer != null && addToCardList !=
"undefined") {
    checkoutContainer.innerHTML = `Total:
${totalPrice.toFixed(2)}$`;
  }
}
function calculateItemPrice(itemID, price = null) {
  let addToCardList = jsonParse("addToCardList");
  let filtered = addToCardList.filter(function (el) {
    return el.id == itemID;
  });
  if (price == null) {
    let productsArray = jsonParse("productsLocal");
    let filteredPrice = productsArray.filter(function
(el) {
      return el.id == itemID;
    });
    price =
priceCalculator(filteredPrice[0].price.old,
filteredPrice[0].price.discount);
  }
  let totalPrice = filtered[0].quantity * price;
  return `${price}$ x ${filtered[0].quantity} =
${totalPrice.toFixed(2)}$`;
```

```javascript
    }

  function showInCardProductData(itemID, objectName,
objectName2 = null) {
    let productsArray = jsonParse("productsLocal");
    let productName = productsArray.filter(function (el)
{
      return el.id == itemID;
    });
    if (objectName == "brandID") {
      let brandsArray = jsonParse("brandsLocal");
      for (let item of brandsArray) {
        if (productName[0].brandID == item.id) {
          return item.name;
        }
      }
    }
    if (objectName == "price") {
      return calculateItemPrice(productName[0].id,
productName[0][objectName][objectName2]);
    }
    if (objectName2 != null) {
      return productName[0][objectName][objectName2];
    } else {
      return productName[0][objectName];
    }
  }
  function classGe() {
    let quantityRegulList =
document.querySelectorAll(".quantityRegul");
    for (let item of quantityRegulList) {
      item.addEventListener("click", function () {
        let dataQuantity = jsonParse("addToCardList");
        if (this.value == "+") {
          for (let data of dataQuantity) {
```

```javascript
            if (data.id == this.getAttribute("data-id"))
{
                data.quantity += 1;
                localStorage.setItem("addToCardList",
JSON.stringify(dataQuantity));
                this.parentElement.getElementsByTagName("p
")[0].innerHTML = data.quantity;
              }
            }
          } else {
            for (let data of dataQuantity) {
              if (data.id == this.getAttribute("data-id"))
{
                if (data.quantity > 1) {
                  data.quantity -= 1;
                  localStorage.setItem("addToCardList",
JSON.stringify(dataQuantity));
                  this.parentElement.getElementsByTagName(
"p")[0].innerHTML = data.quantity;
                }
              }
            }
          }
        totalPrice();
        calculateItemPrice(item.getAttribute("data-
id"));

        inCardProductsShow();
      });
    }
  }

  function deleteProducts() {
    let binItems = document.querySelectorAll(".fa-
trash");
    for (let item of binItems) {
      item.addEventListener("click", () => {
```

```javascript
            let addToCardList = jsonParse("addToCardList");
            for (let data of addToCardList) {
              if (data.id == item.getAttribute("data-id")) {
                let filteredList =
addToCardList.filter(function (el) {
                    return el.id !== `${data.id}`;
                });
                localStorage.setItem("addToCardList",
JSON.stringify(filteredList));
              }
            }
            if (jsonParse("addToCardList").length == 0) {
              localStorage.removeItem("addToCardList");
            }
            inCardProductsShow();
            cardMessages("Product deleted from card!");
          });
        }
        totalPrice();
      }
      function deleteAllProducts() {
        localStorage.removeItem("addToCardList");
        cardMessages("Deleted all products from card");
        inCardProductsShow();
        totalPrice();
      }

      eventListener("delete-all-products", "id", "click",
deleteAllProducts);
      function jsonParse(data) {
        let jsonData =
JSON.parse(localStorage.getItem(`${data}`));
        return jsonData;
      }
      function resetFilters() {
```

```
    let brandsFilters =
document.querySelectorAll(".brands-filter-item");
    let categoriesFilters =
document.querySelectorAll(".category-filter-item");
    let connectionTypesFilters =
document.querySelectorAll(".connection-type-filter-
item");
    resetCheckbox(brandsFilters);
    resetCheckbox(categoriesFilters);
    resetCheckbox(connectionTypesFilters);
    let reviewsFilter =
document.getElementById("reviews-range-sllider");
    reviewsFilter.value = 1;
    let productsArray = jsonParse("productsLocal");
    showProducts(productsArray);
  }
  function resetCheckbox(arrayName) {
    for (let item of arrayName) {
      item.checked = false;
    }
  }

  inCardProductsShow();
  function sortProduct(container) {
    container.addEventListener("change", function () {
      let productsArray = jsonParse("productsLocal");
      productsArray.sort(function (a, b) {
        if (sortingPlaceholder.value == 0) {
          return 0;
        } else if (sortingPlaceholder.value == 1) {
          a = parseFloat(priceCalculator(a.price.old,
a.price.discount));
          b = parseFloat(priceCalculator(b.price.old,
b.price.discount));
          if (a < b) {
            return -1;
```

```
          }
          if (a > b) {
            return 1;
          }
          if (a == b) {
            return 0;
          }
        } else if (sortingPlaceholder.value == 2) {
          a = parseFloat(priceCalculator(a.price.old,
a.price.discount));
          b = parseFloat(priceCalculator(b.price.old,
b.price.discount));
          if (a > b) {
            return -1;
          }
          if (a < b) {
            return 1;
          } else {
            return 0;
          }
        } else if (sortingPlaceholder.value == 3) {
          if (a.name < b.name) {
            return -1;
          }
          if (a.name > b.name) {
            return 1;
          } else {
            return 0;
          }
        } else if (sortingPlaceholder.value == 4) {
          if (a.name > b.name) {
            return -1;
          }
          if (a.name < b.name) {
            return 1;
          } else {
```

```javascript
                return 0;
              }
            }
          });
          showProducts(productsArray);
        });
      }

  const url = window.location.pathname;
  if (url == "/store.html") {
    fetchData("products", showProducts);
    fetchData("brands", showFiltersBrand);
    fetchData("categories", showFiltersCategory);
    fetchData("connectionTypes",
showFiltersConnectionType);
    showReviews();
    var sortingPlaceholder =
document.getElementById("sort-product-placeholder");
    sortProduct(sortingPlaceholder);
    // sortingPlaceholder.addEventListener("change",
function () {
    //  let productsArray = jsonParse("productsLocal");
    //  productsArray.sort(function (a, b) {
    //     if (sortingPlaceholder.value == 0) {
    //       return 0;
    //     } else if (sortingPlaceholder.value == 1) {
    //       a = parseFloat(priceCalculator(a.price.old,
a.price.discount));
    //       b = parseFloat(priceCalculator(b.price.old,
b.price.discount));
    //       if (a < b) {
    //         return -1;
    //       }
    //       if (a > b) {
    //         return 1;
    //       }
```

```
//        if (a == b) {
//            return 0;
//        }
//      } else if (sortingPlaceholder.value == 2) {
//        a = parseFloat(priceCalculator(a.price.old,
a.price.discount));
//        b = parseFloat(priceCalculator(b.price.old,
b.price.discount));
//        if (a > b) {
//            return -1;
//        }
//        if (a < b) {
//            return 1;
//        } else {
//            return 0;
//        }
//      } else if (sortingPlaceholder.value == 3) {
//        if (a.name < b.name) {
//            return -1;
//        }
//        if (a.name > b.name) {
//            return 1;
//        } else {
//            return 0;
//        }
//      } else if (sortingPlaceholder.value == 4) {
//        if (a.name > b.name) {
//            return -1;
//        }
//        if (a.name < b.name) {
//            return 1;
//        } else {
//            return 0;
//        }
//      }
//    });
```

```javascript
    //   showProducts(productsArray);
    // });
    let resetBtn = document.getElementById("reset-
filter");
    resetBtn.addEventListener("click", resetFilters);
  } else if (url == "/index.html" || url == "/") {
    fetchData("products", topDiscountProducts);
    let slideIndex = 0;
    let slideTimer;
    const slideDelay = 3;
    const slides =
document.getElementsByClassName("slide");
    ShowSlide = (index) => {
      if (index == slides.length) slideIndex = 0;
      else if (index < 0) slideIndex = slides.length -
1;
      else slideIndex = index;
      for (i = 0; i < slides.length; i++) {
        slides[i].style.display = "none";
      }
      SlideReset();
      slides[slideIndex].style.display = "block";
    };
    SlideReset = () => {
      window.clearInterval(slideTimer);
      setTimeout(function () {
        slideTimer = window.setInterval(function () {
          ShowSlide((slideIndex += 1));
        }, slideDelay * 1000);
      }, 10);
    };
    neg.addEventListener("click", function () {
      ShowSlide((slideIndex -= 1));
    });
    pos.addEventListener("click", function () {
      ShowSlide((slideIndex += 1));
```

```
        });
    ShowSlide(slideIndex);
  } else if (url == "/checkout.html") {
    inCardProductsShow();

    // Buying form validation
    let contactSubmit =
document.getElementById("contact-submit");
    let mailNotSent = true;
    contactSubmit.addEventListener("click", () => {
      const regularFullName = /^[A-ZČĆŽĐŠ][a-
zćčžđš]{1,14}\s([A-ZČĆŽĐŠ][a-zćčžđš]{1,14})?\s?[A-
ZČĆŽŠĐ][a-zćčžđš]{1,19}$/;
      let fullNameField =
document.getElementById("fullName");
      let fullNameFieldValue = fullNameField.value;
      let fullNameConfirm;
      let mailConfirm;
      let messageConfirm;
      if (regularFullName.test(fullNameFieldValue)) {
        fullNameField.nextElementSibling.innerHTML = "";
        fullNameField.nextElementSibling.setAttribute("c
lass", "good-form-element");
        fullNameConfirm = true;
      } else {
        fullNameField.nextElementSibling.innerHTML =
"Full Name is not as expected";
        fullNameField.nextElementSibling.setAttribute("c
lass", "bad-form-element");
        fullNameConfirm = false;
      }
      const regularMail = /^[a-zA-Z0-9]([a-z]|[0-
9])+\.?-?_?([a-z]|[0-9])*\.?([a-z]|[0-9])*\@[a-
z]{3,}\.([a-z]{2,4}\.)?([a-z]{2,4})$/g;
      let mailField = document.getElementById("email");
      let mailFieldFieldValue = mailField.value;
```

```javascript
      if (regularMail.test(mailFieldFieldValue)) {
        mailField.nextElementSibling.innerHTML = "";
        mailField.nextElementSibling.setAttribute("class
", "good-form-element");
        mailConfirm = true;
      } else {
        mailField.nextElementSibling.innerHTML = "E-mail
is not as expected!";
        mailField.nextElementSibling.setAttribute("class
", "bad-form-element");
        mailConfirm = false;
      }
      const regularPostalCode = /^[0-9]{5}$/;
      let postalCode = document.getElementById("postal-
code");
      postalCodeFieldValue = postalCode.value;
      if (regularPostalCode.test(postalCodeFieldValue))
{
        postalCode.nextElementSibling.innerHTML = "";
        postalCode.nextElementSibling.setAttribute("clas
s", "good-form-element");
        postalCodeConfirm = true;
      } else {
        postalCode.nextElementSibling.innerHTML =
"Postal code is not as expected!";
        postalCode.nextElementSibling.setAttribute("clas
s", "bad-form-element");
        postalCodeConfirm = false;
      }
      const regularStreetAddress = /^[A-Za-
zČĆŽĐŠčćžđš'\.\-\s\,0-9]{3,}$/;
      let streetAddress =
document.getElementById("address");
      streetAddressFieldValue = streetAddress.value;
      if
(regularStreetAddress.test(streetAddressFieldValue)) {
```

```javascript
            streetAddress.nextElementSibling.innerHTML = "";
            streetAddress.nextElementSibling.setAttribute("class", "good-form-element");
            streetAddressConfirm = true;
        } else {
            streetAddress.nextElementSibling.innerHTML =
"Address is not as expected!";
            streetAddress.nextElementSibling.setAttribute("class", "bad-form-element");
            streetAddressConfirm = false;
        }
        let acceptToS = document.getElementById("accept-tos");
        if (acceptToS.checked == true) {
            acceptToS.nextElementSibling.nextElementSibling.innerHTML = "";
            acceptToS.nextElementSibling.nextElementSibling.setAttribute("class", "good-form-element");
            acceptToSConfirm = true;
        } else {
            acceptToS.nextElementSibling.nextElementSibling.innerHTML = "You must accept our Terms Of Use!";
            acceptToS.nextElementSibling.nextElementSibling.setAttribute("class", "bad-form-element");
            acceptToSConfirm = false;
        }
        let messageBox =
document.getElementById("message");
        if (messageBox.value.length > 450) {
            messageBox.nextElementSibling.innerHTML =
"Message can't be longer than 450 characters!";
            messageBox.nextElementSibling.setAttribute("class", "bad-form-element");
            messageConfirm = false;
        } else if (messageBox.value.length > 0 &&
messageBox.value.length < 20) {
```

```javascript
        messageBox.nextElementSibling.innerHTML =
"Message can't be smaller then 20 characters!";
        messageBox.nextElementSibling.setAttribute("clas
s", "bad-form-element");
        messageConfirm = false;
      } else {
        messageBox.nextElementSibling.innerHTML = "";
        messageBox.nextElementSibling.setAttribute("clas
s", "good-form-element");
        messageConfirm = true;
      }
      let addToCardLocal = jsonParse("addToCardList");
      if (fullNameConfirm && mailConfirm &&
postalCodeConfirm && streetAddressConfirm &&
acceptToSConfirm && messageConfirm && mailNotSent &&
addToCardLocal != null) {
        cardMessages("Mail sent!");
        mailNotSent = false;
      } else if (mailNotSent == false) {
        cardMessages("Mail already sent!");
      } else if (addToCardLocal == null) {
        cardMessages("Card is empty!");
      }
    });
  }

  function topDiscountProducts(data) {
    let filteredDiscount = data.filter(function (el) {
      return el.price.discount >= 10;
    });
    showProducts(filteredDiscount);
  }

  function aboutMePage() {
    let aboutMeLink =
document.querySelectorAll(`[href="#about-me.html"]`);
```

```javascript
    for (let item of aboutMeLink) {
      item.addEventListener("click", () => {
        let bodyEl =
document.getElementsByTagName("body");
        let header =
document.getElementsByTagName("header");
        let aboutMeContainer =
document.querySelector("#about-me-container");
        if (aboutMeContainer == null) {
          header[0].innerHTML += `<section id="about-me-
container">
            <div id="about-me">
              <div id="about-me-left">
                <img src="assets/img/nikola-timotic.png"
alt="profile-img" />
                <div id="about-me-info">
                  <ul id="about-me-info-content">
                    <li>
                      <p>
                        Mail:
                        <a
href="mailto:nt&#46;timotic&#64;gmail&#46;com">nt&#46;ti
motic&#64;gmail&#46;com</a>
                      </p>
                    </li>
                    <li>
                      <p>
                        Phone:
                        <a href="tel:060-123-
4567">0601234567</a>
                      </p>
                    </li>
                    <li>
                      <p>Index: <span>173/20</span></p>
                    </li>
                  </ul>
```

```html
                    <ul id="about-social">
                      <li>
                        <a
href="https://www.facebook.com">
                          <i class="fab fa-facebook-
square"></i>
                        </a>
                      </li>
                      <li>
                        <a
href="https://www.instagram.com">
                          <i class="fab fa-instagram-
square"></i>
                        </a>
                      </li>
                      <li>
                        <a
href="https://www.linkedin.com/in/nikolatimotic/">
                          <i class="fab fa-linkedin"></i>
                        </a>
                      </li>
                    </ul>
                  </div>
                </div>
                <div id="about-me-right">
                  <h2>About Me</h2>
                  <div id="about-me-content">
                    <p id="about-me-text">Hi, my name is
Nikola. I'm a Web Developer located in Serbia. I have a
passion for UI and UX design. I'm quietly confident,
naturally curious, and perpetually working on improving
my chops one design problem at a time. I'm a very well-
organized person and a problem solver.</p>
                    <div id="quote-box">
                      <cite id="quote"></cite>
                      <p id="author"></p>
```

```
            </div>
              </div>
            </div>
            <div id="about-me-close">
              <div class="close cross" id="about-me-
exit"></div>
            </div>
          </div>
        </section>`;
        quoteGeneratorInterval =
setInterval(quoteGenerator, 2000);
        aboutMeModalRemoved = false;
      }
      // About me
      let aboutMeExit =
document.getElementById("about-me-close");
      aboutMeExit.addEventListener("click", () => {
        header[0].removeChild(header[0].lastChild);
        aboutMeModalRemoved = true;
        clearInterval(quoteGeneratorInterval);
      });
    });
  }
}
// Quote generator
var random1;
var random2;

function quoteGenerator() {
  let quoteList = jsonParse("quotesLocal");
  if (!aboutMeModalRemoved) {
    random1 = Math.floor(Math.random() *
quoteList.length);
    while (random1 == random2) {
      random1 = Math.floor(Math.random() *
quoteList.length);
```

```
        }
      document.getElementById("quote").innerHTML =
quoteList[random1].quote;
      document.getElementById("author").innerHTML =
quoteList[random1].author;
      random2 = random1;
    } else {
      clearInterval(quoteGeneratorInterval);
    }
  }
  var burger = document.getElementById("nav-close-
container");
  burger.addEventListener("click", () => {
    document.getElementById("nav-
close").classList.toggle("cross");
    document.getElementById("navbar-
container").classList.toggle("nav-active");
  });
};
```

3.4 JSON

3.4.1 brands.json

```json
[
  {
    "id": 0,
    "name": "Logitech"
  },
  {
    "id": 1,
    "name": "Keychron"
  }
```

```
]
```

3.4.2 categories.json

```
[
  {
    "id": 0,
    "name": "Membrane"
  },
  {
    "id": 1,
    "name": "Mechanical"
  },
  {
    "id": 2,
    "name": "Optical"
  }
]
```

3.4.3 connectionTypes.json

```
[
  {
    "id": 0,
    "name": "Wired"
  },
  {
    "id": 1,
    "name": "Wireless"
  }
]
```

3.4.4 documentLinks.json

```json
[
  {
    "id": 0,
    "name": "Documentation",
    "link": "documentation.pdf"
  },
  {
    "id": 1,
    "name": "Sitemap",
    "link": "sitemap.xml"
  },
  {
    "id": 2,
    "name": "RSS",
    "link": "rss.xml"
  },
  {
    "id": 3,
    "name": "Robots",
    "link": "robots.txt"
  }
]
```

3.4.5 navLinks.json

```json
[
  {
    "id": 0,
    "name": "Home",
```

```
      "link": "index.html"
  },
  {
      "id": 1,
      "name": "Store",
      "link": "store.html"
  },
  {
      "id": 2,
      "name": "About us",
      "link": "about-us.html"
  },
  {
      "id": 3,
      "name": "About me",
      "link": "#about-me.html"
  },
  {
      "id": 4,
      "name": "Checkout",
      "link": "checkout.html",
      "icon": "fa-solid fa-basket-shopping"
  }
]
```

3.4.6 products.json

```
[
  {
      "id": 0,
      "name": "Logitech Craft",
      "image": {
        "src": "assets/img/logitech-craft.png",
        "alt": "logitech craft keyboard"
      },
      "brandID": 0,
```

```json
    "categoryID": 0,
    "connectionTypeID": 1,
    "price": {
      "old": 200,
      "discount": 15
    },
    "descript": "This keyboard have: ",
    "score": 4.8
  },
  {
    "id": 1,
    "name": "MX Keys",
    "image": {
      "src": "assets/img/logitech-mx-keys.png",
      "alt": "logitech mx keys keyboard"
    },
    "brandID": 0,
    "categoryID": 0,
    "connectionTypeID": 1,
    "price": {
      "old": 119.9,
      "discount": 10
    },
    "descript": "This keyboard have: ",
    "score": 4.7
  },
  {
    "id": 2,
    "name": "K845 Mechanical Illuminated",
    "image": {
      "src": "assets/img/k845-mechanical-
illuminated.png",
      "alt": "k845 mechanical illuminated keyboard"
    },
    "brandID": 0,
    "categoryID": 1,
```

```json
    "connectionTypeID": 0,
    "price": {
      "old": 59.9,
      "discount": 0
    },
    "descript": "This keyboard have: ",
    "score": 4.3
  },
  {
    "id": 3,
    "name": "Q60 QMK",
    "image": {
      "src": "assets/img/Keychron-Q60-QMK.png",
      "alt": "Keychron Q60 QMK keyboard"
    },
    "brandID": 1,
    "categoryID": 1,
    "connectionTypeID": 1,
    "price": {
      "old": 219,
      "discount": 0
    },
    "descript": "This keyboard have: ",
    "score": 4.5
  },
  {
    "id": 4,
    "name": "Keychron K14",
    "image": {
      "src": "assets/img/keychron-K14.png",
      "alt": "Keychron Q60 QMK keyboard"
    },
    "brandID": 1,
    "categoryID": 1,
    "connectionTypeID": 1,
    "price": {
```

```
      "old": 59,
      "discount": 0
    },
    "descript": "This keyboard have: ",
    "score": 4.9
  }
]
```

3.4.7 quotes.json

```
[
  {
    "quote": "Knowledge is power.",
    "author": "Francis Bacon"
  },
  {
    "quote": "First, solve the problem. Then, write the
code.",
    "author": "John Johnson"
  },
  {
    "quote": "Code is like humor. When you have to
explain it, it's bad.",
    "author": "Cory House"
  },
  {
    "quote": "Talk is cheap. Show me the code.",
    "author": "Linus Torvalds"
  },
  {
    "quote": "If you don't love it, you're going to
fail.",
    "author": "Steve Jobs"
  },
```

```json
  {
    "quote": "Before software can be reusable it first
has to be usable.",
    "author": "Ralph Johnson"
  }
]
```

3.4.8 socialLinks.json

```json
[
  {
    "id": 0,
    "name": "Facebook",
    "link": "https://www.facebook.com"
  },
  {
    "id": 1,
    "name": "Instagram",
    "link": "https://www.instagram.com"
  },
  {
    "id": 2,
    "name": "Linked in",
    "link": "https://www.linkedin.com/"
  },
  {
    "id": 3,
    "name": "Github",
    "link": "https://github.com/"
  }
]
```