Web sajt

MechaBoards

Web Programiranje 2   Autor : Miloš Milinković
                                             Indeks : 11/22

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•Dinamički ispis navigacionog menija u Headeru (zaglavlju stranice)

•Dinamički ispis najnovijih proizvoda na početnoj (index) stranici

•Dinamički ispis proizvoda na svakoj od stranica od njihovih kategorija (mechanical.html, membrane.html, accessories.html) kao i dinamički ispis svih proizvoda na stranici products.html

•Dinamički ispis dodatnih kategorija kojem proizvod može da pripada (switch types)

•Dinamički ispis stranice za prikaz pojedinog proizvoda (product.html)

•Sortiranje i filtriranje proizvoda po više kriterijuma (stranice products.html, mechanical.htlm, membrane.html, accessories.html)

•Menjanje količine i dodavanje odabranog proizvoda u „korpu"

•Dinamički ispis stranice „korpe" sa formom o poručivanju i potvrdi podudžbine

•Ispis broja stavki u korpi u nav meniju pored ikonice za korpu

•Validacija elemenata forme na stranici „korpe"

Template

•Za izradu sajta prepravljen je template sa stranice
https://milinkovicmilos.github.io/WebCamp/

Organizacija

Organizaciona šema
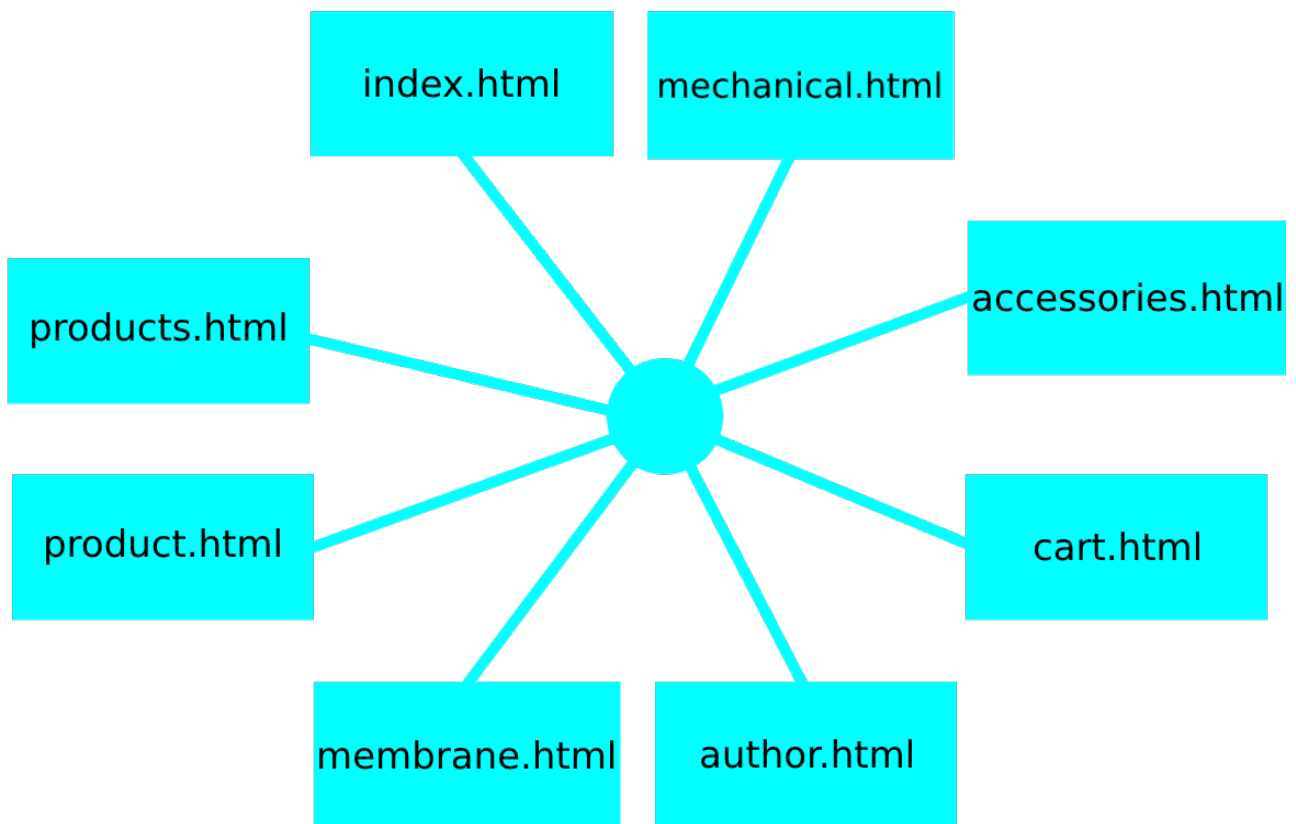
Mapa sajta

```xml
<?xml version="1.0"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <url>
        <loc>https://milinkovicmilos.github.io/MechaBoards/index.html</loc>
        <lastmod>2024-03-04</lastmod>
        <changefreq>daily</changefreq>
        <priority>1</priority>
    </url>
    <url>
        <loc>https://milinkovicmilos.github.io/MechaBoards/accessories.html</loc>
        <lastmod>2024-03-04</lastmod>
        <changefreq>daily</changefreq>
        <priority>1</priority>
    </url>
    <url>
        <loc>https://milinkovicmilos.github.io/MechaBoards/cart.html</loc>
        <lastmod>2024-03-04</lastmod>
        <changefreq>monthly</changefreq>
        <priority>1</priority>
    </url>
    <url>
        <loc>https://milinkovicmilos.github.io/MechaBoards/mechanical.html</loc>
```

```xml
        <lastmod>2024-03-04</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.9</priority>
    </url>
    <url>
        <loc>https://milinkovicmilos.github.io/MechaBoards/membrane.html</loc>
        <lastmod>2024-03-04</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.9</priority>
    </url>
    <url>
        <loc>https://milinkovicmilos.github.io/MechaBoards/produts.html</loc>
        <lastmod>2024-03-04</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.9</priority>
    </url>
    <url>
        <loc>https://milinkovicmilos.github.io/MechaBoards/product.html</loc>
        <lastmod>2024-03-04</lastmod>
        <changefreq>monthly</changefreq>
        <priority>0.7</priority>
    </url>
    <url>
        <loc>https://milinkovicmilos.github.io/BizConsulting/author.html</loc>
        <lastmod>2024-03-04</lastmod>
        <changefreq>yearly</changefreq>
        <priority>0.5</priority>
    </url>
</urlset>
```

Slike i opis funkcionalnosti

• Dinamički ispis navigacionog menija. Sadržaj navigacionog meni se asinhrono dohvata sa servera iz datoteke navigation.json

• Animacija za ucitavanje se korisniku prikazuje dok se ceka da se sa servera dohvate svi neophodni fajlovi za iscrtavanje stranice. Prilikom i iscrtavanja svih neophodnih elemenata animacija se uklanja

• Dinamički ispis najnovijih proizvoda na stranici index.htm
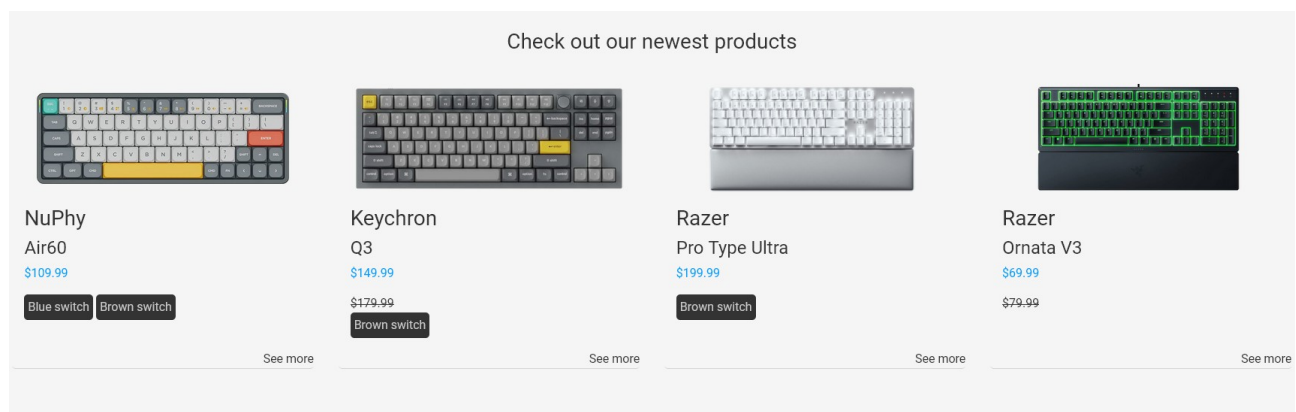
- Ukoliko je proizvod dostupan u vise varijanti (različiti switchevi) to se korisniku prikazuje ispod naziva i cene proizvoda i klikom korisnika vodi da poruči željeni proizvod u željenoj varijanti
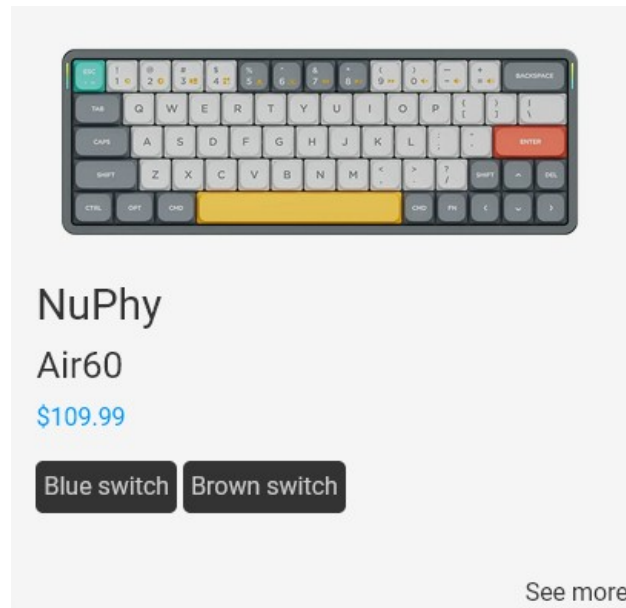
- Dinamički ispis stranice sa svim proizvodima (products.html) sa mogućnostima sortiranja i filtriranja po više kriterijuma
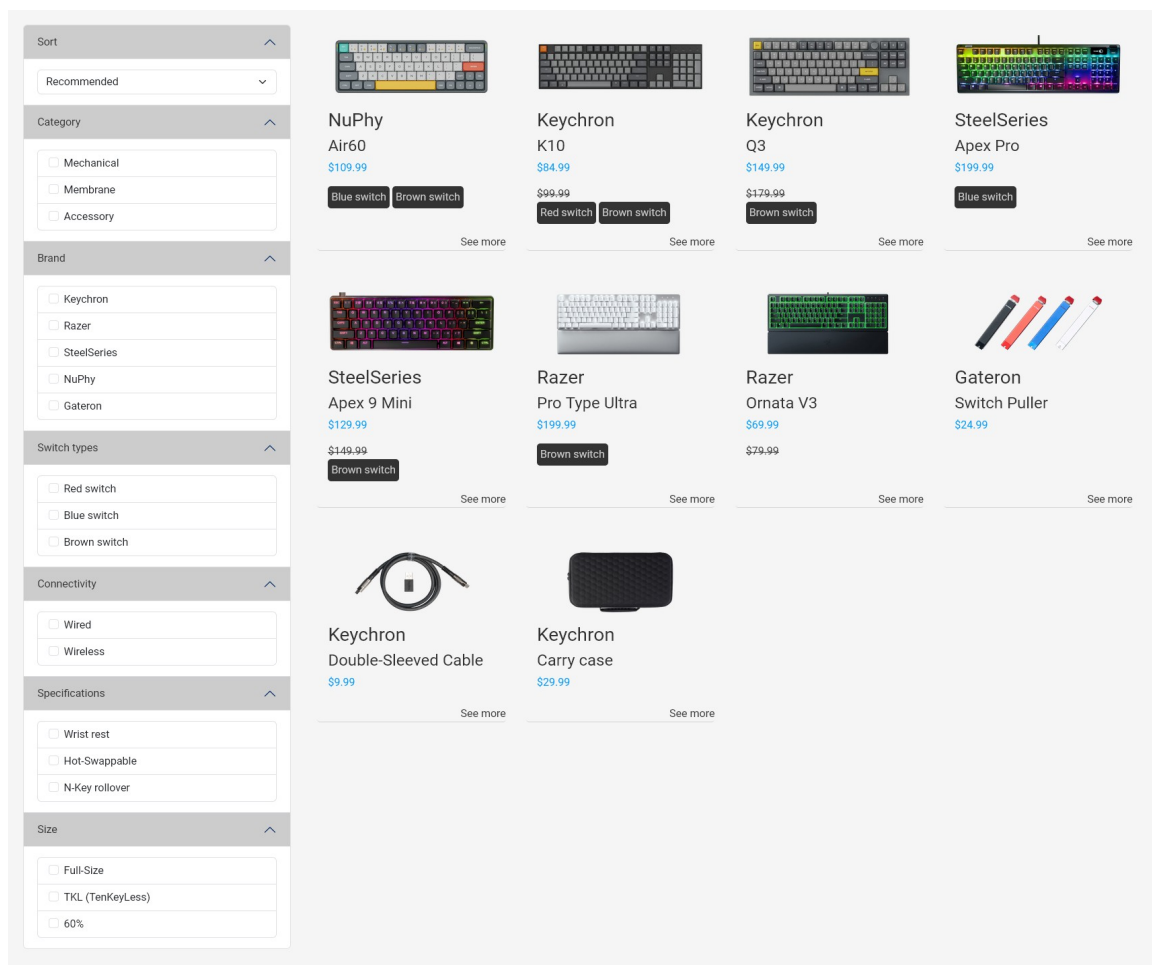
- Dinamički ispis stranice sa mehaničkim tastaturama (mechanical.html) sa mogućnostima sortiranja i filtriranja po više kriterijuma
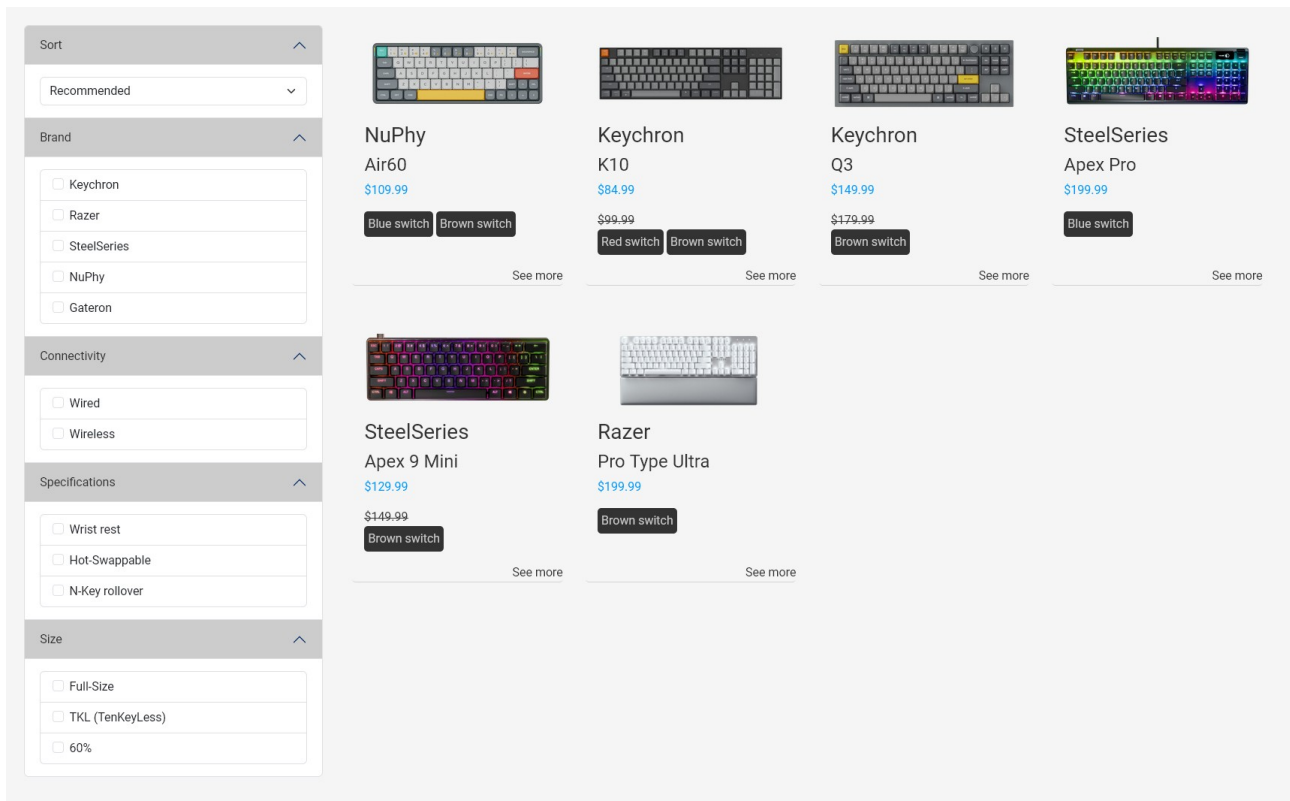
- Dinamički ispis stranice sa membranskim tastaturama (membrane.html) sa mogućnostima sortiranja i filtriranja po više kriterijuma
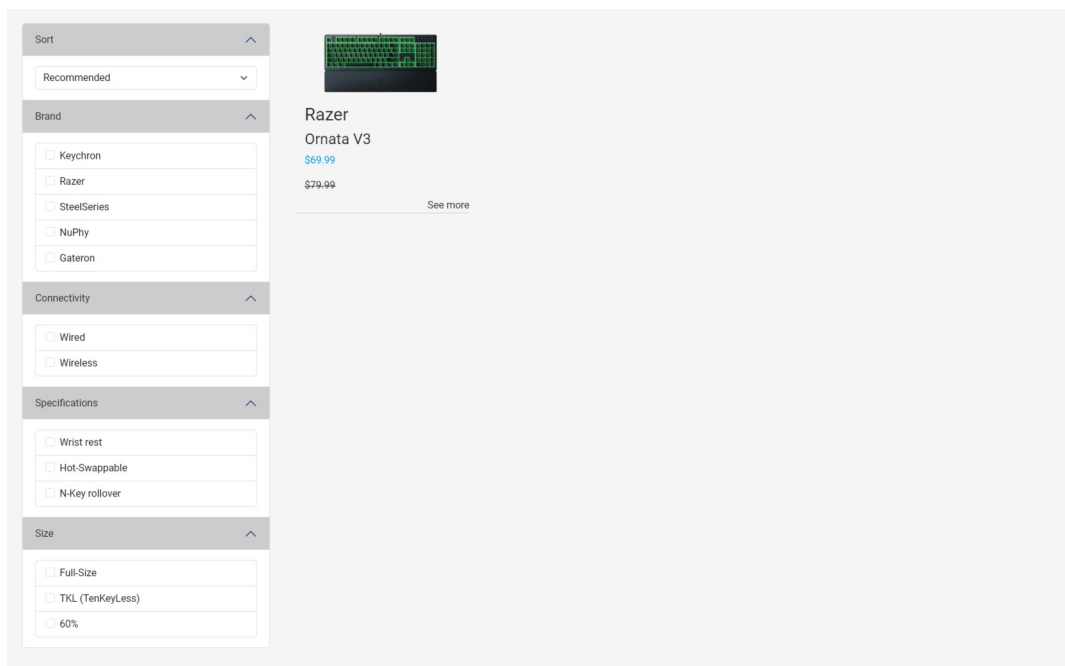
- Dinamički ispis stranice za pribor (accessories.html) sa mogućnostima sortiranja i filtriranja po više kriterijuma
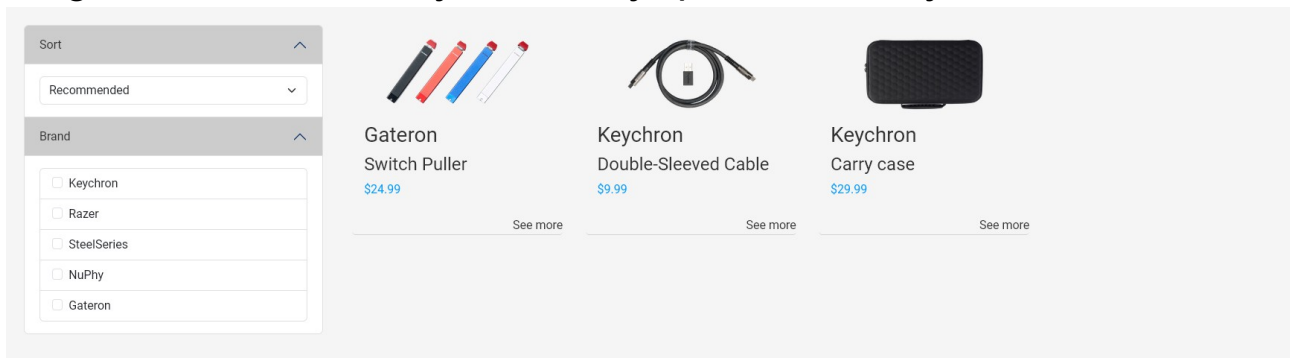
- Dinamički ispis stranice o pojedinačnom proizvodu
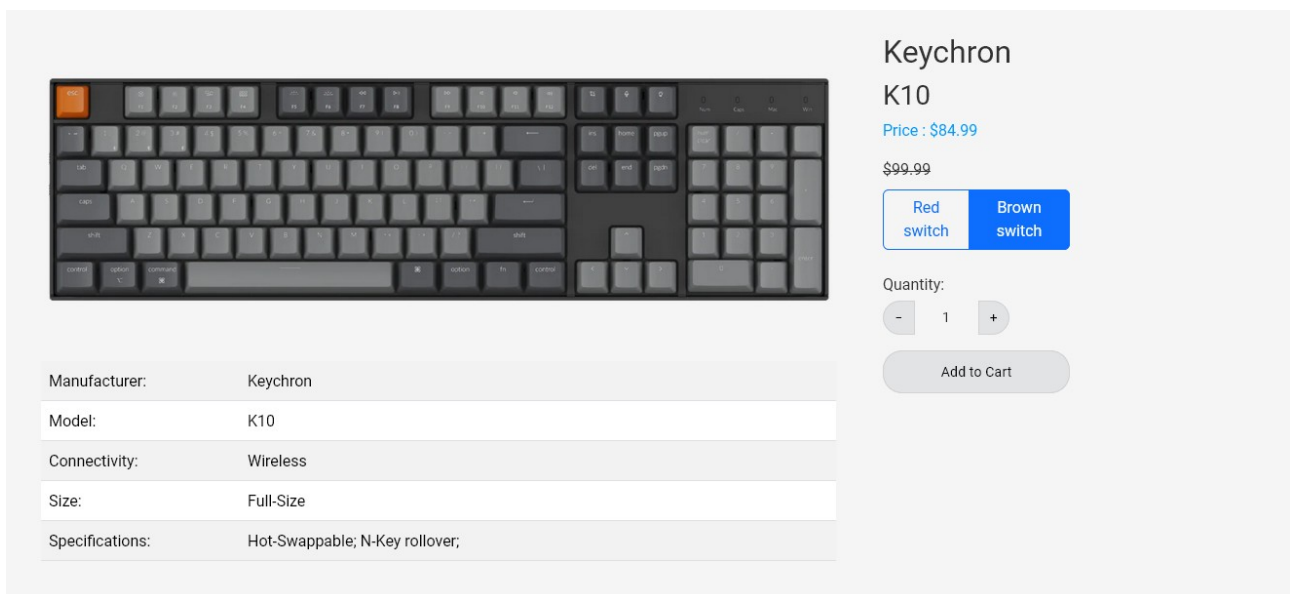
- Po odabiru proizvoda i količine korisniku se prikazuje mogućnost da ostane na stranici ili da se preusmeri na „korpu"
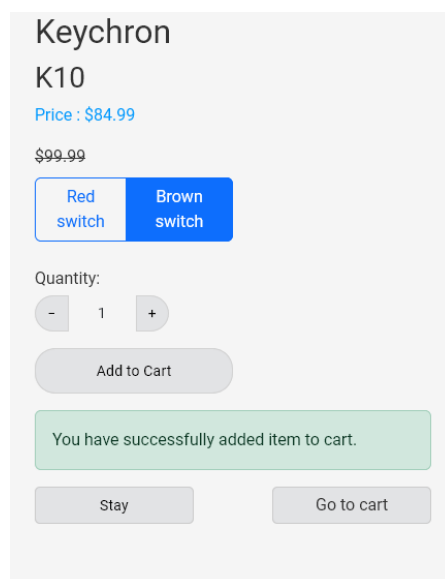
• Nakon dodavanja proizvoda u korpu korisniku se u navigacionom meniju pored ikonice za korpu prikazuje i ukupan broj proizvoda u korpi
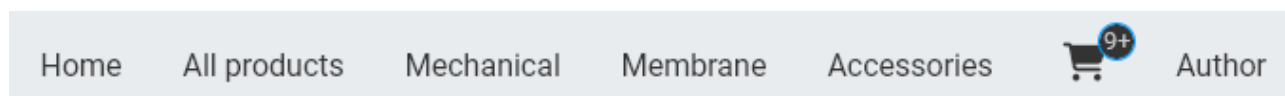
• Dinamički ispis „korpe" (cart.html) sa mogućnostima pregleda porudžbine, korekcije željene količine svakog proizvoda kao i ukljanjanje pojedinačnog ili svih proizvoda iz korpe

• Da bi korisnik poručio proizvode mora popuniti formu sa svojim podacima. Validacija unetih podataka je izvrsena primenom regularnih izraza

- Za ime i prezime svako prvo slovo imena ili prezimena mora počinjati velikim slovom.

- Broj telefona je potrebno uneti u internacionalnom formatu : „+(Kod države) (Kod grada) (broj telefona od 6 do 9 cifara)"

- Ukoliko je korpa prazna korisnik neće moći da popuni formu

Kodovi

HTML

index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap" rel="stylesheet">
```

```html
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
    </div>
    <header>
        <nav class="navbar navbar-expand-lg">
            <div class="container-fluid" id="nav-menu-container">
                <a class="navbar-brand" href="./index.html"><h1 class="fs-
3">MechaBoards</h1></a>
                <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-
expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="nav-menu">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
                </div>
            </div>
        </nav>
    </header>
    <main>
        <section class="py-4" id="welcome">
            <div>
                <h2 class="fw-bold text-center text-decoration-underline">Unleash
Your Typing Potential!</h2>
                <p>
                    Whether you're a gaming enthusiast, a coding maestro,
                    or a professional in need of the perfect typing tool,
                    MechaBoards has the ideal keyboard for you. Upgrade your
                    typing experience at MechaBoards.
                </p>
            </div>
        </section>
        <section class="py-4">
            <h2 class="fs-3 text-center pb-3">Check out our newest products</h2>
            <div id="products" class="cointainer-fluid row justify-content-
evenly"></div>
        </section>
        <div class="text-black mm-hr"><hr/></div>
        <section id="promo" class="d-flex flex-column justify-content-center">
            <div>
                <p>
                    Welcome to the world of mechanical keyboards, where every
                    keystroke is a symphony of precision and satisfaction.
                    If you're still tethered to the world of membrane
                    keyboards, it's time to discover the unparalleled
                    advantages of mechanical keyboards.
                </p>
```

```html
                    <a href="./mechanical.html" class="text-reset text-decoration-
none">
                        <button class="btn btn-light text-decoration-none">See
more</button>
                    </a>
                </div>
            </section>
            <div class="text-black mm-hr"><hr/></div>
        </main>
        <div id="to-top-btn">
            <a href="#" class="fs-1"><i class="fa-solid fa-circle-arrow-up"></i></a>
        </div>
        <footer>
            <div class="cointainer-fluid">
                <div id="footer-content">
                    <div class="row align-items-center align-content-center h-100">
                        <div class="d-none d-xl-block col-4">
                            <nav class="navbar w-100 h-100">
                                <ul class="navbar-nav w-100 flex-row justify-content-
evenly align-items-center text-center"></ul>
                            </nav>
                        </div>
                        <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex
flex-column justify-content-evenly align-items-center" id="footer-info">
                            <a class="nav-link" href="index.html">
                                <p class="text-center fs-3 m-0">MechaBoards</p>
                            </a>
                            <p class="text-center m-0" id="copyright-text">Copyright
&#169; 2024 Miloš Milinković. All Rights Reserved.</p>
                        </div>
                        <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex
flex-column">
                            <nav class="d-xl-none navbar w-100">
                                <ul class="navbar-nav w-100 flex-wrap flex-row
justify-content-evenly gap-2 gap-sm-0"></ul>
                            </nav>
                            <div class="d-flex justify-content-evenly align-items-
center" id="socials-container">
                                <a class="text-dark-emphasis fs-2"
href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-
instagram"></i></a>
                                <a class="text-dark-emphasis fs-2"
href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-
facebook"></i></a>
                                <a class="text-dark-emphasis fs-2"
href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-
twitter"></i></a>
                                <details>
                                    <summary>Files used</summary>
                                    <a href="assets/css/style.css">style.css</a>
                                    <a
href="assets/css/responsive.css">responsive.css</a>
                                    <a href="sitemap.xml">sitemap.xml</a>
                                    <a href="robots.txt">robots.txt</a>
                                </details>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
```

```html
    </footer>
    <!-- Bootstrap js -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
    <script src="./assets/js/main.js"></script>
</body>
</html>
```

accessories.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for
keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
    </div>
    <header>
        <nav class="navbar navbar-expand-lg bg-body-secondary">
            <div class="container-fluid" id="nav-menu-container">
                <a class="navbar-brand" href="./index.html"><h1 class="fs-
3">MechaBoards</h1></a>
                <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-
expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="nav-menu">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
```

```html
                    </div>
                </div>
            </nav>
        </header>
        <main>
            <section class="py-4">
                <div class="container-fluid mx-auto row justify-content-between">
                    <div class="accordion col-12 col-xl-3 mb-3" id="filters-accordion">
                        <div class="accordion-item">
                            <h2 class="accordion-header">
                                <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#sort-accordion" aria-expanded="true" aria-controls="#sort-accordion">
                                    Sort
                                </button>
                            </h2>
                            <div id="sort-accordion" class="accordion-collapse collapse show">
                                <div class="accordion-body">
                                    <select name="sort" class="form-select" id="sort"></select>
                                </div>
                            </div>
                        </div>
                        <div class="accordion-item">
                            <h2 class="accordion-header">
                                <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#brand-filter" aria-expanded="true" aria-controls="#brand-filter">
                                    Brand
                                </button>
                            </h2>
                            <div id="brand-filter" class="accordion-collapse collapse show">
                                <div class="accordion-body">
                                    <ul id="brand" class="list-group"></ul>
                                </div>
                            </div>
                        </div>
                    </div>
                    <div class="col-12 col-xl-9 mx-auto row align-content-start" id="products"></div>
                </div>
            </section>
            <div class="text-black mm-hr"><hr/></div>
            <div id="to-top-btn">
                <a href="#" class="fs-1"><i class="fa-solid fa-circle-arrow-up"></i></a>
            </div>
        </main>
        <footer>
            <div class="cointainer-fluid bg-body-secondary">
                <div id="footer-content">
                    <div class="row align-items-center align-content-center h-100">
                        <div class="d-none d-xl-block col-4">
                            <nav class="navbar w-100 h-100">
                                <ul class="navbar-nav w-100 flex-row justify-content-evenly align-items-center text-center"></ul>
                            </nav>
```

```html
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex
flex-column justify-content-evenly align-items-center" id="footer-info">
                        <a class="nav-link" href="index.html">
                            <p class="text-center fs-3 m-0">MechaBoards</p>
                        </a>
                        <p class="text-center m-0" id="copyright-text">Copyright
&#169; 2024 Miloš Milinković. All Rights Reserved.</p>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex
flex-column">
                        <nav class="d-xl-none navbar w-100">
                            <ul class="navbar-nav w-100 flex-wrap flex-row
justify-content-evenly gap-2 gap-sm-0"></ul>
                        </nav>
                        <div class="d-flex justify-content-evenly align-items-
center" id="socials-container">
                            <a class="text-dark-emphasis fs-2"
href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-
instagram"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-
facebook"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-
twitter"></i></a>
                            <details>
                                <summary>Files used</summary>
                                <a href="assets/css/style.css">style.css</a>
                                <a
href="assets/css/responsive.css">responsive.css</a>
                                <a href="sitemap.xml">sitemap.xml</a>
                                <a href="robots.txt">robots.txt</a>
                            </details>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </footer>
    <!-- Bootstrap js -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
    <script src="./assets/js/main.js"></script>
</body>
</html>
```

```
author.html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for
keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
    </div>
    <header>
        <nav class="navbar navbar-expand-lg bg-body-secondary">
            <div class="container-fluid" id="nav-menu-container">
                <a class="navbar-brand" href="./index.html"><h1 class="fs-
3">MechaBoards</h1></a>
                <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-
expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="nav-menu">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
                </div>
            </div>
        </nav>
    </header>
    <main>
        <div class="container-fluid" id="author-container">
            <div class="row justify-content-center m-auto py-5 bg-dark-subtle
rounded-3">
                <div class="col-12 col-md-6 col-xl-5">
                    <div id="author-picture-container">
                        <img src="assets/img/Author.jpg" class="d-block img-fluid
m-auto rounded" alt="author-picture" />
                    </div>
                </div>
```

```html
                <div class="col-12 col-md-6 col-xl-5">
                    <p class="text-center fs-3">Miloš Milinković</p>
                    <p class="text-center fs-3">Index : 11/22</p>
                    <p class="fs-5 mt-5" id="author-text">
                        Hello I'm Miloš Milinković. I am currently studying on ICT College in
                        Belgrade, Serbia. I like programming and challenging myself in order to
                        improve my skills.
                    </p>
                </div>
            </div>
        </div>
        <div id="to-top-btn">
            <a href="#" class="fs-1"><i class="fa-solid fa-circle-arrow-up"></i></a>
        </div>
    </main>
    <footer>
        <div class="cointainer-fluid bg-body-secondary">
            <div id="footer-content">
                <div class="row align-items-center align-content-center h-100">
                    <div class="d-none d-xl-block col-4">
                        <nav class="navbar w-100 h-100">
                            <ul class="navbar-nav w-100 flex-row justify-content-evenly align-items-center text-center"></ul>
                        </nav>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex flex-column justify-content-evenly align-items-center" id="footer-info">
                        <a class="nav-link" href="index.html">
                            <p class="text-center fs-3 m-0">MechaBoards</p>
                        </a>
                        <p class="text-center m-0" id="copyright-text">Copyright &#169; 2024 Miloš Milinković. All Rights Reserved.</p>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex flex-column">
                        <nav class="d-xl-none navbar w-100">
                            <ul class="navbar-nav w-100 flex-wrap flex-row justify-content-evenly gap-2 gap-sm-0"></ul>
                        </nav>
                        <div class="d-flex justify-content-evenly align-items-center" id="socials-container">
                            <a class="text-dark-emphasis fs-2" href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-instagram"></i></a>
                            <a class="text-dark-emphasis fs-2" href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-facebook"></i></a>
                            <a class="text-dark-emphasis fs-2" href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-twitter"></i></a>
                            <details>
                                <summary>Files used</summary>
                                <a href="assets/css/style.css">style.css</a>
                                <a href="assets/css/responsive.css">responsive.css</a>
                                <a href="sitemap.xml">sitemap.xml</a>
                                <a href="robots.txt">robots.txt</a>
```

```html
                    </details>
                </div>
            </div>
        </div>
    </div>
</footer>
<!-- Bootstrap js -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
    <script src="./assets/js/main.js"></script>
</body>
</html>
```

cart.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for
keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
    </div>
    <header>
        <nav class="navbar navbar-expand-lg bg-body-secondary">
            <div class="container-fluid" id="nav-menu-container">
                <a class="navbar-brand" href="./index.html"><h1 class="fs-
3">MechaBoards</h1></a>
```

```html
                    <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-
expanded="false" aria-label="Toggle navigation">
                        <span class="navbar-toggler-icon"></span>
                    </button>
                    <div class="collapse navbar-collapse" id="nav-menu">
                        <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
                    </div>
                </div>
            </nav>
        </header>
        <main>
            <section id="cart">
                <div class="row">
                    <div id="cart-form" class="col-12 col-lg-4 order-1 order-lg-0">
                        <h2 class="text-center">Shipping info</h2>
                        <form action="index.html" method="POST">
                            <div id="form-wrapper" class="row">
                                <div class="mb-4 col-6 position-relative">
                                    <label for="input-first-name">Name<span
class="red"> *</span></label>
                                    <input type="text" name="input-first-name"
class="form-control" id="input-first-name" placeholder="John"/>
                                </div>
                                <div class="mb-4 col-6 position-relative">
                                    <label for="input-last-name">Last Name<span
class="red"> *</span></label>
                                    <input type="text" name="input-last-name"
class="form-control" id="input-last-name" placeholder="Doe"/>
                                </div>
                                <div class="mb-4 col-12 position-relative">
                                    <label for="input-email">E-mail<span class="red">
*</span></label>
                                    <input type="text" name="input-email" class="form-
control" id="input-email" placeholder="email@address.com"/>
                                </div>
                                <div class="mb-4 col-12 position-relative">
                                    <label for="input-phone-number">Phone number<span
class="red"> *</span></label>
                                    <input type="text" name="input-phone-number"
class="form-control" id="input-phone-number" placeholder="Contact Number"/>
                                </div>
                                <div class="mb-4 col-12 position-relative">
                                    <div class="radio-holder">
                                        <input type="radio" name="delivery-type"
class="form-check-input" id="delivery-type-express" value="0" checked="checked"/>
                                        <label for="delivery-type-express"
class="form-check-label">Express delivery</label>
                                    </div>
                                    <div class="radio-holder">
                                        <input type="radio" name="delivery-type"
class="form-check-input" id="delivery-type-standard" value="1"/>
                                        <label for="delivery-type-standard"
class="form-check-label">Standard delivery</label>
                                    </div>
                                </div>
                                <div class="mb-4 col-12 position-relative">
                                    <label for="check-pp">I agree to the <span
id="privacy-policy">Privacy Policy</span><span class="red"> *</span></label>
```

```html
                                            <input type="checkbox" name="privacy-policy"
id="check-pp"/>
                                        </div>
                                        <div class="mb-4 col-12">
                                            <input type="submit" class="btn btn-primary d-
block w-50 mx-auto" value="Check out"/>
                                        </div>
                                    </div>
                                </form>
                        </div>
                        <div class="col-12 col-lg-8">
                            <h2 class="text-center">Your items</h2>
                            <div id="cart-items"></div>
                        </div>
                    </div>
                </section>
        </main>
        <footer>
            <div class="cointainer-fluid bg-body-secondary">
                <div id="footer-content">
                    <div class="row align-items-center align-content-center h-100">
                        <div class="d-none d-xl-block col-4">
                            <nav class="navbar w-100 h-100">
                                <ul class="navbar-nav w-100 flex-row justify-content-
evenly align-items-center text-center"></ul>
                            </nav>
                        </div>
                        <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex
flex-column justify-content-evenly align-items-center" id="footer-info">
                            <a class="nav-link" href="index.html">
                                <p class="text-center fs-3 m-0">MechaBoards</p>
                            </a>
                            <p class="text-center m-0" id="copyright-text">Copyright
&#169; 2024 Miloš Milinković. All Rights Reserved.</p>
                        </div>
                        <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex
flex-column">
                            <nav class="d-xl-none navbar w-100">
                                <ul class="navbar-nav w-100 flex-wrap flex-row
justify-content-evenly gap-2 gap-sm-0"></ul>
                            </nav>
                            <div class="d-flex justify-content-evenly align-items-
center" id="socials-container">
                                <a class="text-dark-emphasis fs-2"
href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-
instagram"></i></a>
                                <a class="text-dark-emphasis fs-2"
href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-
facebook"></i></a>
                                <a class="text-dark-emphasis fs-2"
href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-
twitter"></i></a>
                                <details>
                                    <summary>Files used</summary>
                                    <a href="assets/css/style.css">style.css</a>
                                    <a
href="assets/css/responsive.css">responsive.css</a>
                                    <a href="sitemap.xml">sitemap.xml</a>
                                    <a href="robots.txt">robots.txt</a>
                                </details>
```

```
                    </div>
                </div>
            </div>
        </div>
    </footer>
    <!-- Bootstrap js -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
    <script src="./assets/js/main.js"></script>
</body>
</html>
```

mechanical.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for
keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
    </div>
    <header>
        <nav class="navbar navbar-expand-lg bg-body-secondary">
            <div class="container-fluid" id="nav-menu-container">
                <a class="navbar-brand" href="./index.html"><h1 class="fs-
3">MechaBoards</h1></a>
```

```html
                    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-expanded="false" aria-label="Toggle navigation">
                        <span class="navbar-toggler-icon"></span>
                    </button>
                    <div class="collapse navbar-collapse" id="nav-menu">
                        <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
                    </div>
                </div>
            </nav>
        </header>
        <main>
            <section class="py-4">
                <div class="container-fluid mx-auto row justify-content-between">
                    <div class="accordion col-12 col-xl-3 mb-3" id="filters-accordion">
                        <div class="accordion-item">
                            <h2 class="accordion-header">
                                <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#sort-accordion" aria-expanded="true" aria-controls="#sort-accordion">
                                    Sort
                                </button>
                            </h2>
                            <div id="sort-accordion" class="accordion-collapse collapse show">
                                <div class="accordion-body">
                                    <select name="sort" class="form-select" id="sort"></select>
                                </div>
                            </div>
                        </div>
                        <div class="accordion-item">
                            <h2 class="accordion-header">
                                <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#brand-filter" aria-expanded="true" aria-controls="#brand-filter">
                                    Brand
                                </button>
                            </h2>
                            <div id="brand-filter" class="accordion-collapse collapse show">
                                <div class="accordion-body">
                                    <ul id="brand" class="list-group"></ul>
                                </div>
                            </div>
                        </div>
                        <div class="accordion-item">
                            <h2 class="accordion-header">
                                <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#conn-filter" aria-expanded="true" aria-controls="#conn-filter">
                                    Connectivity
                                </button>
                            </h2>
                            <div id="conn-filter" class="accordion-collapse collapse show">
                                <div class="accordion-body">
                                    <ul id="connectivity" class="list-group"></ul>
                                </div>
```

```html
                        </div>
                    </div>
                    <div class="accordion-item">
                        <h2 class="accordion-header">
                            <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#spec-filter" aria-expanded="true" aria-controls="#spec-filter">
                                Specifications
                            </button>
                        </h2>
                        <div id="spec-filter" class="accordion-collapse collapse show">
                            <div class="accordion-body">
                                <ul id="specification" class="list-group"></ul>
                            </div>
                        </div>
                    </div>
                    <div class="accordion-item">
                        <h2 class="accordion-header">
                            <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#size-filter" aria-expanded="true" aria-controls="#size-filter">
                                Size
                            </button>
                        </h2>
                        <div id="size-filter" class="accordion-collapse collapse show">
                            <div class="accordion-body">
                                <ul id="size" class="list-group"></ul>
                            </div>
                        </div>
                    </div>
                </div>
                <div class="col-12 col-xl-9 mx-auto row align-content-start" id="products"></div>
            </div>
        </section>
        <div class="text-black mm-hr"><hr/></div>
        <div id="to-top-btn">
            <a href="#" class="fs-1"><i class="fa-solid fa-circle-arrow-up"></i></a>
        </div>
    </main>
    <footer>
        <div class="cointainer-fluid bg-body-secondary">
            <div id="footer-content">
                <div class="row align-items-center align-content-center h-100">
                    <div class="d-none d-xl-block col-4">
                        <nav class="navbar w-100 h-100">
                            <ul class="navbar-nav w-100 flex-row justify-content-evenly align-items-center text-center"></ul>
                        </nav>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex flex-column justify-content-evenly align-items-center" id="footer-info">
                        <a class="nav-link" href="index.html">
                            <p class="text-center fs-3 m-0">MechaBoards</p>
                        </a>
                        <p class="text-center m-0" id="copyright-text">Copyright &#169; 2024 Miloš Milinković. All Rights Reserved.</p>
```

```html
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex
flex-column">
                        <nav class="d-xl-none navbar w-100">
                            <ul class="navbar-nav w-100 flex-wrap flex-row
justify-content-evenly gap-2 gap-sm-0"></ul>
                        </nav>
                        <div class="d-flex justify-content-evenly align-items-
center" id="socials-container">
                            <a class="text-dark-emphasis fs-2"
href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-
instagram"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-
facebook"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-
twitter"></i></a>
                            <details>
                                <summary>Files used</summary>
                                <a href="assets/css/style.css">style.css</a>
                                <a
href="assets/css/responsive.css">responsive.css</a>
                                <a href="sitemap.xml">sitemap.xml</a>
                                <a href="robots.txt">robots.txt</a>
                            </details>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </footer>
    <!-- Bootstrap js -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
    <script src="./assets/js/main.js"></script>
</body>
</html>
```

membrane.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for
keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
    </div>
    <header>
        <nav class="navbar navbar-expand-lg bg-body-secondary">
            <div class="container-fluid" id="nav-menu-container">
                <a class="navbar-brand" href="./index.html"><h1 class="fs-
3">MechaBoards</h1></a>
                <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-
expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="nav-menu">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
                </div>
            </div>
        </nav>
    </header>
    <main>
        <section class="py-4">
            <div class="container-fluid mx-auto row justify-content-between">
                <div class="accordion col-12 col-xl-3 mb-3" id="filters-
accordion">
                    <div class="accordion-item">
                        <h2 class="accordion-header">
```

```html
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#sort-accordion" aria-expanded="true" aria-
controls="#sort-accordion">
                            Sort
                        </button>
                    </h2>
                    <div id="sort-accordion" class="accordion-collapse
collapse show">
                        <div class="accordion-body">
                            <select name="sort" class="form-select"
id="sort"></select>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
                    <h2 class="accordion-header">
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#brand-filter" aria-expanded="true" aria-
controls="#brand-filter">
                            Brand
                        </button>
                    </h2>
                    <div id="brand-filter" class="accordion-collapse collapse
show">
                        <div class="accordion-body">
                            <ul id="brand" class="list-group"></ul>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
                    <h2 class="accordion-header">
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#conn-filter" aria-expanded="true" aria-
controls="#conn-filter">
                            Connectivity
                        </button>
                    </h2>
                    <div id="conn-filter" class="accordion-collapse collapse
show">
                        <div class="accordion-body">
                            <ul id="connectivity" class="list-group"></ul>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
                    <h2 class="accordion-header">
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#spec-filter" aria-expanded="true" aria-
controls="#spec-filter">
                            Specifications
                        </button>
                    </h2>
                    <div id="spec-filter" class="accordion-collapse collapse
show">
                        <div class="accordion-body">
                            <ul id="specification" class="list-group"></ul>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
```

```html
                        <h2 class="accordion-header">
                            <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#size-filter" aria-expanded="true" aria-
controls="#size-filter">
                                Size
                            </button>
                        </h2>
                        <div id="size-filter" class="accordion-collapse collapse
show">
                            <div class="accordion-body">
                                <ul id="size" class="list-group"></ul>
                            </div>
                        </div>
                    </div>
                </div>
                <div class="col-12 col-xl-9 mx-auto row align-content-start"
id="products"></div>
            </div>
        </section>
        <div class="text-black mm-hr"><hr/></div>
        <div id="to-top-btn">
            <a href="#" class="fs-1"><i class="fa-solid fa-circle-arrow-
up"></i></a>
        </div>
    </main>
    <footer>
        <div class="cointainer-fluid bg-body-secondary">
            <div id="footer-content">
                <div class="row align-items-center align-content-center h-100">
                    <div class="d-none d-xl-block col-4">
                        <nav class="navbar w-100 h-100">
                            <ul class="navbar-nav w-100 flex-row justify-content-
evenly align-items-center text-center"></ul>
                        </nav>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex
flex-column justify-content-evenly align-items-center" id="footer-info">
                        <a class="nav-link" href="index.html">
                            <p class="text-center fs-3 m-0">MechaBoards</p>
                        </a>
                        <p class="text-center m-0" id="copyright-text">Copyright
&#169; 2024 Miloš Milinković. All Rights Reserved.</p>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex
flex-column">
                        <nav class="d-xl-none navbar w-100">
                            <ul class="navbar-nav w-100 flex-wrap flex-row
justify-content-evenly gap-2 gap-sm-0"></ul>
                        </nav>
                        <div class="d-flex justify-content-evenly align-items-
center" id="socials-container">
                            <a class="text-dark-emphasis fs-2"
href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-
instagram"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-
facebook"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-
twitter"></i></a>
```

```html
                                <details>
                                    <summary>Files used</summary>
                                    <a href="assets/css/style.css">style.css</a>
                                    <a
href="assets/css/responsive.css">responsive.css</a>
                                    <a href="sitemap.xml">sitemap.xml</a>
                                    <a href="robots.txt">robots.txt</a>
                                </details>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </footer>
        <!-- Bootstrap js -->
        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
        <script src="./assets/js/main.js"></script>
</body>
</html>
```

product.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for
keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
```

```html
        </div>
        <header>
            <nav class="navbar navbar-expand-lg">
                <div class="container-fluid" id="nav-menu-container">
                    <a class="navbar-brand" href="./index.html"><h1 class="fs-3">MechaBoards</h1></a>
                    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-expanded="false" aria-label="Toggle navigation">
                        <span class="navbar-toggler-icon"></span>
                    </button>
                    <div class="collapse navbar-collapse" id="nav-menu">
                        <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
                    </div>
                </div>
            </nav>
        </header>
        <main>
            <div class="container-xl row mx-auto py-4">
                <div id="img-desc" class="col-12 col-md-8 px-4"></div>
                <div id="heading-options" class="col-12 col-md-4 px-4 d-md-block"></div>
            </div>
        </main>
        <footer>
            <div class="cointainer-fluid bg-body-secondary">
                <div id="footer-content">
                    <div class="row align-items-center align-content-center h-100">
                        <div class="d-none d-xl-block col-4">
                            <nav class="navbar w-100 h-100">
                                <ul class="navbar-nav w-100 flex-row justify-content-evenly align-items-center text-center"></ul>
                            </nav>
                        </div>
                        <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex flex-column justify-content-evenly align-items-center" id="footer-info">
                            <a class="nav-link" href="index.html">
                                <p class="text-center fs-3 m-0">MechaBoards</p>
                            </a>
                            <p class="text-center m-0" id="copyright-text">Copyright &#169; 2024 Miloš Milinković. All Rights Reserved.</p>
                        </div>
                        <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex flex-column">
                            <nav class="d-xl-none navbar w-100">
                                <ul class="navbar-nav w-100 flex-wrap flex-row justify-content-evenly gap-2 gap-sm-0"></ul>
                            </nav>
                            <div class="d-flex justify-content-evenly align-items-center" id="socials-container">
                                <a class="text-dark-emphasis fs-2" href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-instagram"></i></a>
                                <a class="text-dark-emphasis fs-2" href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-facebook"></i></a>
                                <a class="text-dark-emphasis fs-2" href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-twitter"></i></a>
                                <details>
```

```html
                                            <summary>Files used</summary>
                                            <a href="assets/css/style.css">style.css</a>
                                            <a
href="assets/css/responsive.css">responsive.css</a>
                                            <a href="sitemap.xml">sitemap.xml</a>
                                            <a href="robots.txt">robots.txt</a>
                                        </details>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
            </footer>
            <!-- Bootstrap js -->
            <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
            <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
            <script src="./assets/js/main.js"></script>
</body>
</html>
```

products.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="MechaBoards - Your go to place for
keyboards" />
    <meta name="keywords" content="keyboard, mechanical, membrane" />
    <meta name="author" content="Miloš Milinković" />
    <title>MechaBoards</title>
    <!-- FavIcon -->
    <link rel="icon" href="assets/img/favicon.ico" type="image/x-icon" />
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
    <!-- Font Awesome -->
    <script src="https://kit.fontawesome.com/98bb0aa457.js"
crossorigin="anonymous"></script>
    <!-- Bootstrap css -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/responsive.css" type="text/css" />
</head>
<body>
    <div id="loading">
        <img src="" alt="loading-gif">
    </div>
```

```html
    <header>
        <nav class="navbar navbar-expand-lg bg-body-secondary">
            <div class="container-fluid" id="nav-menu-container">
                <a class="navbar-brand" href="./index.html"><h1 class="fs-3">MechaBoards</h1></a>
                <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#nav-menu" aria-controls="nav-menu" aria-expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="nav-menu">
                    <ul class="navbar-nav me-auto mb-2 mb-lg-0"></ul>
                </div>
            </div>
        </nav>
    </header>
    <main>
        <section class="py-4">
            <div class="container-fluid mx-auto row justify-content-between">
                <div class="accordion col-12 col-xl-3 mb-3" id="filters-accordion">
                    <div class="accordion-item">
                        <h2 class="accordion-header">
                            <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#sort-accordion" aria-expanded="true" aria-controls="#sort-accordion">
                                Sort
                            </button>
                        </h2>
                        <div id="sort-accordion" class="accordion-collapse collapse show">
                            <div class="accordion-body">
                                <select name="sort" class="form-select" id="sort"></select>
                            </div>
                        </div>
                    </div>
                    <div class="accordion-item">
                        <h2 class="accordion-header">
                            <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#producttype-accordion" aria-expanded="true" aria-controls="#producttype-accordion">
                                Category
                            </button>
                        </h2>
                        <div id="producttype-accordion" class="accordion-collapse collapse show">
                            <div class="accordion-body">
                                <ul id="producttype" class="list-group"></ul>
                            </div>
                        </div>
                    </div>
                    <div class="accordion-item">
                        <h2 class="accordion-header">
                            <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#brand-filter" aria-expanded="true" aria-controls="#brand-filter">
                                Brand
                            </button>
                        </h2>
```

```html
                    <div id="brand-filter" class="accordion-collapse collapse
show">
                        <div class="accordion-body">
                            <ul id="brand" class="list-group"></ul>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
                    <h2 class="accordion-header">
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#switch-filter" aria-expanded="true" aria-
controls="#switch-filter">
                            Switch types
                        </button>
                    </h2>
                    <div id="switch-filter" class="accordion-collapse collapse
show">
                        <div class="accordion-body">
                            <ul id="switch" class="list-group"></ul>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
                    <h2 class="accordion-header">
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#conn-filter" aria-expanded="true" aria-
controls="#conn-filter">
                            Connectivity
                        </button>
                    </h2>
                    <div id="conn-filter" class="accordion-collapse collapse
show">
                        <div class="accordion-body">
                            <ul id="connectivity" class="list-group"></ul>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
                    <h2 class="accordion-header">
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#spec-filter" aria-expanded="true" aria-
controls="#spec-filter">
                            Specifications
                        </button>
                    </h2>
                    <div id="spec-filter" class="accordion-collapse collapse
show">
                        <div class="accordion-body">
                            <ul id="specification" class="list-group"></ul>
                        </div>
                    </div>
                </div>
                <div class="accordion-item">
                    <h2 class="accordion-header">
                        <button class="accordion-button" type="button" data-
bs-toggle="collapse" data-bs-target="#size-filter" aria-expanded="true" aria-
controls="#size-filter">
                            Size
                        </button>
                    </h2>
```

```html
                        <div id="size-filter" class="accordion-collapse collapse
show">
                            <div class="accordion-body">
                                <ul id="size" class="list-group"></ul>
                            </div>
                        </div>
                    </div>
                </div>
                <div class="col-12 col-xl-9 mx-auto row align-content-start"
id="products"></div>
            </div>
        </section>
        <div id="to-top-btn">
            <a href="#" class="fs-1"><i class="fa-solid fa-circle-arrow-
up"></i></a>
        </div>
    </main>
    <footer>
        <div class="cointainer-fluid bg-body-secondary">
            <div id="footer-content">
                <div class="row align-items-center align-content-center h-100">
                    <div class="d-none d-xl-block col-4">
                        <nav class="navbar w-100 h-100">
                            <ul class="navbar-nav w-100 flex-row justify-content-
evenly align-items-center text-center"></ul>
                        </nav>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-1 order-md-0 d-flex
flex-column justify-content-evenly align-items-center" id="footer-info">
                        <a class="nav-link" href="index.html">
                            <p class="text-center fs-3 m-0">MechaBoards</p>
                        </a>
                        <p class="text-center m-0" id="copyright-text">Copyright
&#169; 2024 Miloš Milinković. All Rights Reserved.</p>
                    </div>
                    <div class="col-12 col-md-6 col-xl-4 order-0 order-md-1 d-flex
flex-column">
                        <nav class="d-xl-none navbar w-100">
                            <ul class="navbar-nav w-100 flex-wrap flex-row
justify-content-evenly gap-2 gap-sm-0"></ul>
                        </nav>
                        <div class="d-flex justify-content-evenly align-items-
center" id="socials-container">
                            <a class="text-dark-emphasis fs-2"
href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-
instagram"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-
facebook"></i></a>
                            <a class="text-dark-emphasis fs-2"
href="https://www.twitter.com" target="_blank"><i class="fa-brands fa-
twitter"></i></a>
                            <details>
                                <summary>Files used</summary>
                                <a href="assets/css/style.css">style.css</a>
                                <a
href="assets/css/responsive.css">responsive.css</a>
                                <a href="sitemap.xml">sitemap.xml</a>
                                <a href="robots.txt">robots.txt</a>
                            </details>
```

```html
                    </div>
                </div>
            </div>
        </div>
    </footer>
    <!-- Bootstrap js -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
    <script src="./assets/js/main.js"></script>
</body>
</html>
```

CSS

style.css

```css
* {
    margin: 0px;
    padding: 0px;
}
:root {
    --link-color: var(--secondary);
    --link-hover-color: rgba(0, 0, 0, 0.8);
    --input-color: #808080;
    --focus-color: rgb(56, 56, 56);
    --primary: #333333;
    --secondary: #0099FF;
    --accent: #CCCCCC;
    --background: #F5F5F5;
    --headerfooter: #e2e3e5;
}

body {
    position: relative;
    min-height: 100vh;
    padding-bottom: 290px; /* Footer height */
    font-family: 'Roboto', sans-serif;
    font-size: 0.9em;
    background-color: var(--background);
    color: var(--primary);
}
h1 {
    color: var(--accent);
    transition: color 0.15s;
}
h1:hover {
    color: var(--accent);
}
h2, h3, h4 {
    color: var(--primary);
}
p {
    color: var(--primary);
}
```

```css
.mm-product img {
    transition: transform 0.2s;
}
.mm-product img:hover {
    transform: scale(1.1);
}
.mm-product p {
    color: var(--secondary);
}
.mm-product s {
    color: var(--primary);
}
a {
    color: var(--primary);
    transition: color 0.15s;
}
a:hover {
    color: var(--accent);
}

header, footer {
    background-color: var(--headerfooter);
}
header {
    border-bottom: 1px solid var(--secondary);
}
footer {
    border-top: 1px solid var(--secondary);
}
#footer-info .nav-link p {
    color: var(--secondary);
    transition: color 0.15s;
}
#footer-info .nav-link p:hover {
    color: var(--accent);
}

.accordion-button {
    background-color: var(--accent) !important;
    color: var(--primary) !important;
}

#price {
    color: var(--secondary);
}

#heading-options button {
    background-color: var(--headerfooter);
    transition: background-color 0.15s;
}

#heading-options .btn-outline-primary {
    border: 1px solid var(--secondary) !important;
}

#post-add button, #post-add a{
    background-color: var(--headerfooter);
    transition: background-color 0.15s;
    border-radius: 5px;
    text-align: center;
```

```css
    border: 1px solid var(--accent);
    padding: 5px 0px;
}

#post-add button:hover, #post-add a:hover {
    background-color: var(--accent);
}

#heading-options button:hover {
    background-color: var(--accent);
}
.mm-switch {
    background-color: var(--primary);
    color: var(--accent);
    text-decoration: none;
    padding: 5px;
    border-radius: 5px;
    transition: background-color 0.15s;
}
.mm-switch:hover {
    background-color: var(--input-color);
}

h1 {
    color: var(--secondary);
}
body tbody, .form-control, #cart-items button {
    font-size: 0.9rem !important;
}
.nav-link {
    color: var(--primary) !important;
}
.nav-link:hover {
    color: var(--accent) !important;
}
i {
    color: var(--primary);
    transition: color 0.15s;
}
i:hover {
    color: var(--accent);
}
i.fa-cart-shopping {
    position: relative;
    padding: 0px 5px;
    font-size: 1.25rem;
}
.cart-item-number {
    position: absolute;
    padding: 5px;
    top: -10px;
    right: -10px;
    width: 18px;
    height: 18px;
    background-color: var(--primary);
    border-radius: 50%;
    color: var(--accent);
    text-align: center;
    font-size: 0.8rem !important;
    font-weight: normal;
```

```css
    font-family: 'Roboto', sans-serif;
    display: flex;
    justify-content: center;
    align-items: center;
    outline: 1px solid var(--secondary);
}

#loading {
    position: fixed;
    width: 100%;
    height: 100%;
    z-index: 1;
    background-color: white;
}

#loading img {
    position: fixed;
    z-index: 2;
    left: 50%;
    top: 50%;
    transform: translate(-50%, -50%);
}

.mm-dark {
    background-color: rgba(0, 0, 0, 0.65);
}

section {
    width: 90%;
    margin: 0px auto;
}

.mm-hr, #welcome, #footer-content, #offer, #reviews, #course-offers, #contact-
reviews-slider, #contact-section {
    width: 90%;
    margin: 0px auto;
}
.mm-vertical-line {
    position: absolute;
    height: 75%;
    top: 12.5%;
    right: 0px;
    outline: 1px solid rgba(128, 128, 128, 0.5);
}

.mm-product {
    width: 90%;
}

.mm-product > div {
    border-radius: 5px;
    border-bottom: 1px solid lightgray;
}

.mm-switches {
    font-size: 0.9rem;
    padding-top: 25px;
}

#heading-options {
```

```css
        display: flex;
        flex-wrap: wrap;
}

.mm-quantity {
        width: 80px;
}

.mm-quantity button {
        padding: 0px;
        border: 1px solid lightgray;
        width: 35%;
}

.mm-quantity :first-child {
        border-radius: 25px 0px 0px 25px;
}

.mm-quantity :last-child {
        border-radius: 0px 25px 25px 0px;
}

.red {
        color: red;
}

.error-text {
        font-size: 0.7rem;
        line-height: 15px;
        color: darkred;
        position: absolute;
}

button, input {
        font-size: 0.9rem;
}

tr td img {
        max-height: 50px;
        max-width: 100%;
}

/* Header */
#nav-menu-container {
        width: 90%;
}
#nav-menu-container .collapse {
        flex-grow: 0;
}
#nav-menu-container .collapse ul {
        width: 100%;
        justify-content: space-between;
}

#cart {
        margin-top: 20px;
}

/* footer */
footer {
```

```css
    /* Keeps footer at the bottom of the screen */
    position: absolute;
    bottom: 0px;
    width: 100%;
}
#footer-content {
    height: 290px; /* Default (mobile) footer height */
}
#footer-info {
    height: 45%;
}
#to-top-btn {
    position: fixed;
    z-index: 1;
    bottom: 20px;
    right: 30px;
}
#author-container {
    margin-top: 50px;
}
#author-picture-container img {
    max-height: 400px;
}

#add-to-cart {
    border-radius: 20px;
    border: 1px solid lightgray;
    padding: 10px;
    width: 100%;
}

#welcome {
    width: 100%;
    height: clamp(250px, 50vw, 800px);
    background-image: url("../img/Banner.jpg");
    background-position-x: center;
    background-size: cover;
    position: relative;
    border-bottom: 1px solid var(--secondary);
}

#welcome h2 {
    font-size: 1.3rem;
    margin-bottom: 10px;
    color: var(--accent);
}

#welcome div {
    width: 80%;
    padding: 10px;
    border-radius: 25px;
    margin: 0px auto;
    background-color: rgba(0, 0, 0, 0.45);
}

#welcome div p {
    text-align: justify;
    font-size: 0.9rem;
    color: var(--background);
}
```

```css
#promo {
    width: 100%;
    height: clamp(150px, 50vw, 350px);
    background-image: url("../img/Promo.jpg");
    background-size: cover;
    align-items: center;
    border-top: 1px solid var(--secondary);
    border-bottom: 1px solid var(--secondary);
}

#promo div {
    background-color: var(--background);
    border: 1px solid var(--accent);
    width: 80%;
    border-radius: 25px;
    padding: 25px;
}

#promo div button {
    display: block;
    margin: 0px auto;
    text-align: center;
    background-color: var(--primary);
    color: var(--accent);
    transition: background-color 0.15s;
}
#promo div button:hover {
    background-color: var(--input-color);
}

#promo div p {
    font-size: 0.9rem;
    text-align: justify;
    color: var(--primary);
}
```

responsive.css

```css
@media screen and (min-width: 350px) {
    #welcome h2 {
        font-size: 1.8rem;
    }
}
@media screen and (min-width: 425px) {
    /* Courses page */
    #carousel-reviews .carousel-inner {
        height: 475px;
    }
}
@media screen and (min-width: 576px) {
    body {
        padding-bottom: 220px;
    }
    .mm-product {
        width: 40%;
    }
    #footer-content {
        height: 220px;
    }
}
```

```css
    /* Courses page */
    .modal-dialog {
        max-width: 550px!important;
        width: 550px!important;
    }
    .modal-dialog td {
        font-size: 1rem;
    }

    #cart-items table {
        font-size: 1rem;
    }
    .error-text {
        font-size:0.8rem;
    }
    #welcome div {
        position: absolute;
        left: 20px;
        bottom: 20px;
    }
}

@media screen and (min-width: 768px) {
    body {
        padding-bottom: 140px;
        font-size: 1rem;
    }
    #footer-content {
        height: 140px;
    }
    #footer-info {
        height: 100%;
    }
    .mm-info {
        height: 60%;
    }
    body tbody, .form-control, #cart-items button {
        font-size: 1rem !important;
    }
    .mm-quantity {
        width: 130px;
    }
    .mm-quantity button {
        width: 30%;
    }
    #welcome div {
        width: 45%;
        padding: 25px;
    }
    #welcome div p {
        font-size: 1rem;
    }
    #promo {
        align-items: flex-end;
    }
    #promo div {
        margin-right: 25px;
        width: 50%;
    }
    #promo div p {
```

```css
        font-size: 1rem;
    }
}

@media screen and (min-width: 1200px) {
    body {
        padding-bottom: 115px;
    }
    .mm-product {
        width: 24.5%;
    }
    #footer-content {
        height: 115px;
    }
    #author-container .row {
        width: 70%;
    }
    #welcome div {
        left: 60px;
        bottom: 60px;
    }
    #welcome div p {
        font-size: 1.1rem;
    }
    #promo {
        background-position-y: 20%;
    }
    #promo div p {
        font-size: 1.1rem;
    }
}

@media screen and (min-width: 1400px) {
    #promo {
        background-position-y: 25%;
    }
    #promo div {
        width: 35%;
        margin-right: 5%;
    }
}
```

JavaScript

main.js

```javascript
let pathName = window.location.pathname.split("/");
const PATH = pathName[pathName.length - 1];
const NAVURL = "./assets/data/navigation.json";
const RECOMMENDEDURL = "./assets/data/recommended.json";
const BRANDSURL = "./assets/data/brands.json";
const SWITCHTYPESURL = "./assets/data/switchtypes.json";
const PRODUCTSURL = "./assets/data/products.json";
const SORTVALUESURL = "./assets/data/sorttypes.json";
const CONNECTIVITYURL = "./assets/data/connectivity.json";
const SPECIFICATIONSURL = "./assets/data/specifications.json";
const SIZESURL = "./assets/data/sizes.json";
const PRODUCTTYPESURL = "./assets/data/producttypes.json";

const PRODUCTS = [];
```

```javascript
const BRANDS = [];
const SWITCHTYPES = [];
const SORTVALUES = [];
const CONNECTIVITY = [];
const SPECIFICATIONS = [];
const SIZES = [];
const PRODUCTTYPES = [];

const PRODUCTSBLOCK = "#products";
const IMGDESCBLOCK = "#img-desc";
const HEADINGOPTIONSBLOCK = "#heading-options";

const FILTER = {
    "brand" : [],
    "switch" : [],
    "connectivity" : [],
    "specification" : [],
    "size" : [],
    "producttype" : []
}

//#region Form error handling

const formErrors = [
    {
        "formElementID" : "input-first-name",
        "errorText" : "This field is required, please enter your name",
        "regex" : ".+",
        "isVisible" : false
    },
    {
        "formElementID" : "input-first-name",
        "errorText" : "Please enter valid name starting with capital letter",
        "regex" : "[A-Z][a-z]{2,}([A-Z][a-z]{2,})*",
        "isVisible" : false
    },
    {
        "formElementID" : "input-last-name",
        "errorText" : "This field is required, please enter your last name",
        "regex" : ".+",
        "isVisible" : false
    },
    {
        "formElementID" : "input-last-name",
        "errorText" : "Please enter valid last name starting with capital letter",
        "regex" : "[A-Z][a-z]{2,}([A-Z][a-z]{2,})*",
        "isVisible" : false
    },
    {
        "formElementID" : "input-email",
        "errorText" : "This field is required, please enter your e-mail address",
        "regex" : ".+",
        "isVisible" : false
    },
    {
        "formElementID" : "input-email",
        "errorText" : "Please enter correct e-mail address (e.g.
johndoe@gmail.com)",
        "regex" : "^([a-z]+\.?)+@[a-z]{2,}\.[a-z]{2,}$",
        "isVisible" : false
```

```javascript
        },
        {
            "formElementID" : "input-phone-number",
            "errorText" : "This field is required, please enter contact phone number",
            "regex" : ".+",
            "isVisible" : false
        },
        {
            "formElementID" : "input-phone-number",
            "errorText" : "Please enter correct contact number (e.g. +381 12
3456789)",
            "regex" : "^\\+[0-9]{1,3} [0-9]{1,3} [0-9]{6,9}$",
            "isVisible" : false
        },
        {
            "formElementID" : "check-pp",
            "errorText" : "Please accept our Privacy Policy to continue",
            "regex" : "",
            "isVisible" : false
        }
];

function getFormErrorObjs(formID) {
    let objs = [];
    for (const element of formErrors) {
        if (element.formElementID == formID) objs.push(element);
    }
    return objs;
}

function showError(formErrorObj) {
    if (!formErrorObj.isVisible) {
        $(`#${formErrorObj.formElementID}`).css("outline", "1px solid darkred");
        let errorMessage = `<p class="error-text">${formErrorObj.errorText}</p>`;
        $(errorMessage).insertAfter($(`#${formErrorObj.formElementID}`));
        formErrorObj.isVisible = true;
    }
}

function hideError(formErrorObj) {
    if (formErrorObj.isVisible) {
        $(`#${formErrorObj.formElementID}`).css("outline", "none");
        $(`#${formErrorObj.formElementID} ~ p`).remove();
        formErrorObj.isVisible = false;
    }
}

function checkFormElement() {
    let formErrorObjs = getFormErrorObjs(this.id);
    for (const element of formErrorObjs) {
        let regex = new RegExp(element.regex);
        // Check in case that form element is checkbox
        if ($(this).attr("type") == "checkbox") {
            if ($(this).is(':checked')) {
                hideError(element);
            } else {
                showError(element);
                return;
            }
        }
```

```javascript
        if (regex.test(this.value)) {
            hideError(element);
        } else {
            showError(element);
            return;
        }
    }
}

//#endregion

// Used to fetch a single json file
async function fetchData(url) {
    try {
        const fetchPromise = await fetch(url);
        return await fetchPromise.json(SWITCHTYPESURL);
    }
    catch (exception) {
        console.log(exception);
    }
}

// Used to initialize all page elements that are to be loaded async.
async function initializePage() {
    let navigation = await fetchData(NAVURL);
    displayNavigation(navigation);
    displayTotalCartItems();

    let brands = await fetchData(BRANDSURL);
    brands.forEach(b => BRANDS.push(b));

    let switchTypes = await fetchData(SWITCHTYPESURL);
    switchTypes.forEach(sw => SWITCHTYPES.push(sw));

    if (PATH == "index.html" || PATH == "") {
        let recommended = await fetchData(RECOMMENDEDURL);
        displayProducts(recommended);
    }

    if (PATH == "products.html") {
        let products = await fetchData(PRODUCTSURL);
        products.forEach(p => PRODUCTS.push(p));
        displayProducts(products);

        let sortValues = await fetchData(SORTVALUESURL);
        sortValues.forEach(s => SORTVALUES.push(s));
        let sortBlock = $("#sort");
        showSortTypes(sortBlock, SORTVALUES);

        let brandFilterBlock = $("#brand");
        showFilter(brandFilterBlock, BRANDS);

        let switchFilterBlock = $("#switch");
        showFilter(switchFilterBlock, SWITCHTYPES);

        await generateFilter(PRODUCTTYPESURL, PRODUCTTYPES, "producttype");
        await generateFilter(CONNECTIVITYURL, CONNECTIVITY, "connectivity");
        await generateFilter(SPECIFICATIONSURL, SPECIFICATIONS, "specification");
        await generateFilter(SIZESURL, SIZES, "size");
    }
```

```javascript
if (PATH == "mechanical.html") {
    let products = await fetchData(PRODUCTSURL);
    products = products.filter(x => x["product_type"] == 1);
    products.forEach(p => PRODUCTS.push(p));
    displayProducts(products);

    let sortValues = await fetchData(SORTVALUESURL);
    sortValues.forEach(s => SORTVALUES.push(s));
    let sortBlock = $("#sort");
    showSortTypes(sortBlock, SORTVALUES);

    let brandFilterBlock = $("#brand");
    showFilter(brandFilterBlock, BRANDS);

    await generateFilter(CONNECTIVITYURL, CONNECTIVITY, "connectivity");
    await generateFilter(SPECIFICATIONSURL, SPECIFICATIONS, "specification");
    await generateFilter(SIZESURL, SIZES, "size");
}

if (PATH == "membrane.html") {
    let products = await fetchData(PRODUCTSURL);
    products = products.filter(x => x["product_type"] == 2);
    products.forEach(p => PRODUCTS.push(p));
    displayProducts(products);

    let sortValues = await fetchData(SORTVALUESURL);
    sortValues.forEach(s => SORTVALUES.push(s));
    let sortBlock = $("#sort");
    showSortTypes(sortBlock, SORTVALUES);

    let brandFilterBlock = $("#brand");
    showFilter(brandFilterBlock, BRANDS);

    await generateFilter(CONNECTIVITYURL, CONNECTIVITY, "connectivity");
    await generateFilter(SPECIFICATIONSURL, SPECIFICATIONS, "specification");
    await generateFilter(SIZESURL, SIZES, "size");
}

if (PATH == "accessories.html") {
    let products = await fetchData(PRODUCTSURL);
    products = products.filter(x => x["product_type"] == 3);
    products.forEach(p => PRODUCTS.push(p));
    displayProducts(products);

    let sortValues = await fetchData(SORTVALUESURL);
    sortValues.forEach(s => SORTVALUES.push(s));
    let sortBlock = $("#sort");
    showSortTypes(sortBlock, SORTVALUES);

    let brandFilterBlock = $("#brand");
    showFilter(brandFilterBlock, BRANDS);
}

if (PATH == "product.html") {
    let params = new URLSearchParams(document.location.search);
    let productId = params.get("id");
    let products = await fetchData(PRODUCTSURL);
    let product = products.filter(x => x.id == productId)[0];
```

```javascript
        let connectivityValues = await fetchData(CONNECTIVITYURL);
        connectivityValues.forEach(c => CONNECTIVITY.push(c));

        let sizesValues = await fetchData(SIZESURL);
        sizesValues.forEach(s => SIZES.push(s));

        let specificationValues = await fetchData(SPECIFICATIONSURL);
        specificationValues.forEach(s => SPECIFICATIONS.push(s));

        displaySingleProduct(product);
    }

    if (PATH == "cart.html") {
        let products = await fetchData(PRODUCTSURL);
        products.forEach(p => PRODUCTS.push(p));

        displayCart();
    }

    // Remove loading animaton
    $("#loading").fadeOut(500);
}

// Displays navigation bars on the page provided the array of nav objects
function displayNavigation(navArray) {
    let navMenus = $(".navbar-nav");
    let html = "";
    for (const navMenu of navMenus) {
        for(const navItem of navArray) {
            html += `
                <li class="nav-item mx-2">
                    <a class="nav-link ${navItem.href == PATH ? "active" : ""}"
                    href="${navItem.href}">${navItem.name}</a>
                </li>
            `;
        }
        $(navMenu).html(html);
        html = "";
    }
}

function displayProducts(productsArray) {
    // Filtering products to display
    let arr = productsArray;
    if (!isFilterEmpty()) {
        console.log("FIL")
        for (const f in FILTER) {
            if (FILTER[f].length != 0) {
                let filterName = "";
                switch (f) {
                    case "brand" : filterName = "brand_id"; break;
                    case "switch" : filterName = "switch_types"; break;
                    case "connectivity" : filterName = "connectivity"; break;
                    case "specification" : filterName = "specifications"; break;
                    case "size" : filterName = "size"; break;
                    case "producttype" : filterName = "product_type"; break;
                }
                console.log(FILTER[f])
                arr = applyFilter(FILTER[f], arr, filterName);
            }
```

```
        }
    }

    // Calculating rows and adding product placeholders
    let html = "";
    console.log(arr);
    let rowCount = Math.ceil(arr.length / 4);
    for (let i = 0; i < rowCount * 4; i++) {
        html += '<div class="mm-product mb-5 mx-auto"></div>';
    }
    $(PRODUCTSBLOCK).html(html);
    console.log($(PRODUCTSBLOCK))

    // Putting products in placeholders
    let i = 0;
    let productHolders = $(".mm-product");
    for (const product of arr) {
        $(productHolders[i++]).html(`
            <div class="p-3 position-relative h-100">
                <a href="./product.html?id=${product.id}"><img class="img-fluid
mb-3" src="${product.img.src}" alt="${product.img.alt}"/></a>
                <div class="position-relative pb-3">
                    <a href="./product.html?id=${product.id}" class="text-reset
text-decoration-none">
                        <div>
                            <h3>${getSingleName(BRANDS, product.brand_id)}</h3>
                            <h4>${product.name}</h4>
                        </div>
                    </a>
                    <p>$$${product.price.current}</p>
                    ${product.price.hasOwnProperty("previous") ? `<s>$$
${product.price.previous}</s><br>` : ""}
                    ${product.hasOwnProperty("switch_types") ?
showSwitchTypes(product.id, product.switch_types) : ""}
                </div>
                <a href="./product.html?id=${product.id}" class="d-inline-block
text-decoration-none position-absolute" style="bottom: 0px; right: 0px;">See
more</a>
            </div>
        `);
    }
}

function displaySingleProduct(product) {
    // First block
    let html = `
        <img class="img-fluid mb-3" src="${product.img.src}" alt="$
{product.img.alt}">
        <table class="table table-striped">
            <tbody>
                <tr>
                    <td class="w-25">Manufacturer: </td>
                    <td>${getSingleName(BRANDS, product.brand_id)}</td>
                </tr>
                <tr>
                    <td class="w-25">Model: </td>
                    <td>${product.name}</td>
                </tr>
                ${product.hasOwnProperty("connectivity") ? `
                    <tr>
```

```
                    <td class="w-25">Connectivity:</td>
                    <td>${getSingleName(CONNECTIVITY,
product.connectivity)}</td>
                </tr>
            ` : ""}
            ${product.hasOwnProperty("size") ? `
                <tr>
                    <td class="w-25">Size:</td>
                    <td>${getSingleName(SIZES, product.size)}</td>
                </tr>
            ` : ""}
            ${product.hasOwnProperty("specifications") ? `
                <tr>
                    <td class="w-25">Specifications:</td>
                    <td>${getMultipleNames(SPECIFICATIONS,
product.specifications)}</td>
                </tr>
            ` : ""}
        </tbody>
    </table>
    `;
    $(IMGDESCBLOCK).html(html);

    // Second block
    let secondHtml = `
        <div class="w-50">
            <h2>${getSingleName(BRANDS, product.brand_id)}</h2>
            <h3>${product.name}</h3>
            <p id="price">Price : $${product.price.current}</p>
            ${product.price.hasOwnProperty("previous") ? `<s class="py-1">$$
{product.price.previous}</s>` : ""}
            ${product.hasOwnProperty("switch_types") ? `
                <br>
                <div class="btn-group py-2" role="group">
                    ${generateSwitchButtons(product.switch_types)}
                </div>
            ` : ""}
        </div>
        <div class="w-50">
            <p class="pt-md-3 mb-1">Quantity:</p>
            <div class="mm-quantity row mx-0 justify-content-between">
                <button class="w-25 text-center"
onClick="decreaseQuantity()">&minus;</button>
                <input type="text" readonly class="w-25 text-center form-control-
plaintext d-block" id="quantity" value="1">
                <button class="w-25 text-center d-block"
onClick="increaseQuantity()">&plus;</button>
            </div>
            <button id="add-to-cart" class="my-3 px-3">Add to Cart</button>
        </div>
        <div id="post-add" class="w-100" style="display: none">
            <div class="alert alert-success">You have successfully added item to
cart.</div>
            <div class="row justify-content-between w-100 mx-auto">
                <button id="hide" onClick="$(this).parent().parent().slideUp();"
style="width: 40%;">
                    Stay
                </button>
                <a href="./cart.html" class="text-reset text-decoration-none d-
inline-block" style="width: 40%;">Go to cart</a>
```

```javascript
                    </div>
            </div>
        `;
    $(HEADINGOPTIONSBLOCK).html(secondHtml);
    $("#add-to-cart").click(() => {
        if (product.hasOwnProperty("switch_types")) {
            addToCart(product.id, $("#quantity").val(), $
("input[type='radio']:checked").val());
        } else {
            addToCart(product.id, $("#quantity").val());
        }
    });
}

function applyFilter(validValues, arrayToFilter, propertyToFilter) {
    // Fitering out all products that dont have the right property
    let arr = [];
    for (const element of arrayToFilter) {
        if (element.hasOwnProperty(propertyToFilter)) {
            arr.push(element);
        }
    }

    if (Array.isArray(arr[0][propertyToFilter])) {
        return arr.filter(x => {
            console.log(x);
            for (const value of x[propertyToFilter]) {
                if (validValues.includes(value)) return true;
            }
            return false;
        });
    }
    return arr.filter(x => validValues.includes(x[propertyToFilter]));
}

function showSortTypes(displayBlock, sortArray) {
    let html = "";
    for (const sortOption of sortArray) {
        html += `
            <option value="${sortOption.id}">${sortOption.name}</option>
        `;
    }
    $(displayBlock).html(html);
    $(displayBlock).change((e) => {
        // Get sort type and provide it
        sortProducts(e.currentTarget.value);
        console.log("change sort " + e.currentTarget.value)
    });
}

async function generateFilter(filterURL, filterARR, displayBlockId) {
    let filterVals = await fetchData(filterURL);
    filterVals.forEach(f => filterARR.push(f));
    let filterDisplayBlock = $(`#${displayBlockId}`);
    showFilter(filterDisplayBlock, filterARR);
}

function showFilter(displayBlock, filterArray) {
    let filterName = $(displayBlock).attr("id");
    let html = "";
```

```javascript
    for (const filterOption of filterArray) {
        html += `
            <li class="list-group-item">
                <input class="form-check-input me-1" type="checkbox"
onChange="updateFilters('${filterName}',${filterOption.id})" id="${filterName}-$
{filterOption.id}">
                <label class="form-check-label" for="${filterName}-$
{filterOption.id}">${filterOption.name}</label>
            </li>
        `;
    }
    $(displayBlock).html(html);
}

function updateFilters(filterName, filterValue) {
    console.log(filterName);
    console.log(filterValue);
    if (FILTER[filterName].includes(filterValue)) {
        let i = FILTER[filterName].indexOf(filterValue);
        FILTER[filterName] = FILTER[filterName].filter(x => x != filterValue)
    } else {
        FILTER[filterName].push(filterValue);
    }
    displayProducts(PRODUCTS);
}

function isFilterEmpty() {
    console.log(FILTER)
    console.log(Object.keys(FILTER))
    for (const f of Object.keys(FILTER)) {
        if (FILTER[f].length != 0) return false;
    }
    return true;
}

function sortProducts(sortType) {
    sortType = parseInt(sortType);
    switch(sortType) {
        case 1:
            PRODUCTS.sort((a, b) => a.id > b.id);
            break;
        case 2:
            console.log("Name asc");
            console.log(PRODUCTS)
            PRODUCTS.sort((a, b) => a.name > b.name);
            break;
        case 3:
            PRODUCTS.sort((a, b) => a.name < b.name);
            break;
        case 4:
            PRODUCTS.sort((a, b) => a.price.current > b.price.current);
            break;
        case 5:
            PRODUCTS.sort((a, b) => a.price.current < b.price.current);
            break;
        default:
            PRODUCTS.sort((a, b) => a.id > b.id);
            break;
    }
    displayProducts(PRODUCTS);
```

```javascript
}

function getSingleObject(objArray, id) {
    return objArray.filter(x => x.id == id)[0];
}

function getSingleName(objArray, id) {
    try {
        return objArray.filter(x => x.id == id)[0].name;
    }
    catch (exception) {
        console.log(exception);
        return "/";
    }
}

function getMultipleNames(objArray, idArray) {
    try {
        let names = "";
        console.log(idArray)
        console.log(objArray)
        for (const obj of objArray) {
            if (idArray.includes(obj.id)) names += `${obj.name}; `;
        }
        if (names == undefined) return "/";
        return names;
    }
    catch (exception) {
        console.log(exception);
        return "/";
    }
}

function showSwitchTypes(productId, ids) {
    let switches = SWITCHTYPES.filter(sw => ids.includes(sw.id));
    let html = '';
    for (const sw of switches) {
        html += `
            <a href="./product.html?id=${productId}&switch=${sw.id}" class="mm-
switch d-inline-block mb-2 flex-end">${sw.name}</a>
        `;
    }
    return html;
}

function generateSwitchButtons(switchIds) {
    let params = new URLSearchParams(document.location.search);
    let selected = parseInt(params.get("switch"));

    if (selected == null || !switchIds.includes(selected)) selected =
switchIds[0];
    let html = "";
    for (const sw of switchIds) {
        html += `
            <input type="radio" class="btn-check" name="switchradio" value="${sw}"
id="switch-${sw}" autocomplete="off" ${selected == sw ? "checked" : ""}>
            <label class="btn btn-outline-primary" for="switch-${sw}">$
{getSingleName(SWITCHTYPES, sw)}</label>
        `;
    }
```

```javascript
        return html;
}

function decreaseQuantity(cartItemId = null) {
    let cartRow = $(`#cart-item-${cartItemId}`)
    let quantityBlock;
    if (cartItemId != null) {
        quantityBlock = cartRow.find("#quantity");
    } else {
        quantityBlock = $("#quantity");
    }
    let quantity = parseInt($(quantityBlock).val());
    if (quantity > 1) {
        $(quantityBlock).val(--quantity);
    }

    if (cartItemId != null) {
        let cart = getLocalStorage("cart");
        cart.filter(x => x.cartId == cartItemId)[0].quantity = quantity;
        addToLocalStorage("cart", cart);

        $(cartRow).find(".item-total")[0].textContent = `$$
{calculateTotal(cartItemId)}`;
        $("#cart-total").text(calculateCartTotal());
    }
}

function increaseQuantity(cartItemId = null) {
    let cartRow = $(`#cart-item-${cartItemId}`)
    let quantityBlock;
    if (cartItemId != null) {
        quantityBlock = cartRow.find("#quantity");
    } else {
        quantityBlock = $("#quantity");
    }
    let quantity = parseInt($(quantityBlock).val());
    if (quantity < 10) {
        $(quantityBlock).val(++quantity)
    }

    if (cartItemId != null) {
        let cart = getLocalStorage("cart");
        cart.filter(x => x.cartId == cartItemId)[0].quantity = quantity;
        addToLocalStorage("cart", cart);

        $(cartRow).find(".item-total")[0].textContent = `$$
{calculateTotal(cartItemId)}`;
        $("#cart-total").text(calculateCartTotal());
    }
}

function removeItem(cartItemId) {
    let newCart = getLocalStorage("cart").filter(x => x.cartId != cartItemId);
    addToLocalStorage("cart", newCart);
    if (newCart.length == 0) {
        displayCart();
        addToLocalStorage("cart", []);
        addToLocalStorage("nextCartId", 1);
    } else {
        $(`#cart-item-${cartItemId}`).remove();
```

```javascript
        $("#cart-total").text(calculateCartTotal());
    }

    displayTotalCartItems();
}

function clearCart() {
    resetCart();
    displayCart();
    displayTotalCartItems();
}

function lockForm() {
    let formElements = $("input");
    $(formElements).attr("disabled", "disabled");
}

function addToCart(itemId, quantity, switchType = 0) {
    let nextCartId = getLocalStorage("nextCartId");
    const cartObj = {
        "cartId" : nextCartId,
        "id" : itemId,
        "quantity" : parseInt(quantity),
        "switch_type" : parseInt(switchType)
    }
    let cart = getLocalStorage("cart");
    cart.push(cartObj);
    addToLocalStorage("cart", cart);
    $("#post-add").slideDown();

    addToLocalStorage("nextCartId", nextCartId + 1);
    displayTotalCartItems();
    console.log("Added to cart " + itemId + " Quantity : " + quantity);
}

function displayCart() {
    let cartBlock = $("#cart-items");
    let cartItems = getLocalStorage("cart");

    if (cartItems.length == 0) {
        let html = '<h3 class="text-center">No items in cart...</h3>';
        cartBlock.html(html);
        lockForm();
    } else {
        let html = `
            <table class="table">
                <thead>
                    <tr>
                        <th class="d-sm-none">Product</th>
                        <th class="d-none d-lg-table-cell">Product Image</th>
                        <th class="d-none d-sm-table-cell">Product Name</th>
                        <th class="d-none d-sm-table-cell">Switch type</th>
                        <th>Quantity</th>
                        <th>Total</th>
                        <th>Remove</th>
                    </tr>
                </thead>
                <tbody>
        `;
        for (const el of cartItems) {
```

```
                let productObj = getSingleObject(PRODUCTS, el.id);
                html += `
                    <tr id="cart-item-${el.cartId}">
                        <td class="d-sm-none">
                            <a class="text-reset"
                            href="./product.html?id=${el.id}${el.switch_type != 0 ?
`&switch=${el.switch_type}` : ""}">
                                ${getSingleName(PRODUCTS, el.id) + (el.switch_type != 0 ?
` ${getSingleName(SWITCHTYPES, el.switch_type)}` : "")}
                            </a>
                        </td>
                        <td class="d-none d-lg-table-cell">
                            <a href="./product.html?id=${el.id}${el.switch_type != 0 ?
`&switch=${el.switch_type}` : ""}">
                                <img src="${productObj.img.src}" alt="$
{productObj.img.alt}">
                            </a>
                        </td>
                        <td class="d-none d-sm-table-cell">
                            <a class="text-reset"
                            href="./product.html?id=${el.id}${el.switch_type != 0 ?
`&switch=${el.switch_type}` : ""}">
                                ${getSingleName(PRODUCTS, el.id)}
                            </a>
                        </td>
                        <td class="d-none d-sm-table-cell">
                            ${el.switch_type != 0 ? getSingleName(SWITCHTYPES,
el.switch_type) : "/"}
                        </td>
                        <td>
                            <div class="mm-quantity row mx-0 justify-content-between">
                                <button class="text-center"
onClick="decreaseQuantity(${el.cartId})">&minus;</button>
                                <input type="text" readonly class="w-25 text-center
form-control-plaintext d-block" id="quantity" value="${el.quantity}">
                                <button class="text-center d-block"
onClick="increaseQuantity(${el.cartId})">&plus;</button>
                            </div>
                        </td>
                        <td class="item-total">$${calculateTotal(el.cartId)}</td>
                        <td>
                            <button class="btn btn-light" onClick="removeItem($
{el.cartId})">Remove</button>
                        </td>
                    </tr>
                `;
            }
        html += `
            <tr>
                <td class="d-none d-lg-table-cell" colspan="4" class="text-
end"></td>
                <td class="d-none d-sm-table-cell d-lg-none" colspan="3"
class="text-end"></td>
                <td class="d-sm-none" colspan="2"></td>
                <td id="cart-total"></td>
                <td><button class="btn btn-light" onClick="clearCart()">Clear
cart</button></td>
            </tr>
            </tbody>
        </table>
```

```javascript
            `;
            $(cartBlock).html(html);
            $("#cart-total").text(calculateCartTotal());
        }
}

function addToLocalStorage(key, value) {
    localStorage.setItem(key, JSON.stringify(value));
}

function getLocalStorage(key) {
    return JSON.parse(localStorage.getItem(key));
}

function calculateTotal(cartId) {
    let cartItem = getLocalStorage("cart").filter(x => x.cartId == cartId)[0];
    let product = PRODUCTS.filter(x => x.id == cartItem.id)[0];
    let total = product.price.current * cartItem.quantity;
    total = total.toFixed(2);
    return total;
}

function calculateCartTotal() {
    let cartItems = $("[id^=cart-item-");
    let str = "$";
    let total = 0;
    for (const cartItem of cartItems) {
        let quantityText = cartItem.querySelector(".item-total").textContent;
        total += parseFloat(quantityText.substr(1));
    }
    total = total.toFixed(2);
    return str += total;
}

function displayTotalCartItems() {
    let numberOfCartItems = getLocalStorage("cart").length;
    if (numberOfCartItems != 0) {
        let html = `
            <div class="cart-item-number">
                ${numberOfCartItems > 9 ? "9+" : numberOfCartItems}
            </div>
        `;
        $("i.fa-cart-shopping").append(html);
    } else {
        // Remove all numbers if all items from cart have been removed
        let blocks = $(".cart-item-number");
        if (blocks != 0) {
            $(blocks).remove();
        }
    }
}

function resetCart() {
    addToLocalStorage("cart", []);
    addToLocalStorage("nextCartId", 1);
}

initializePage();

if (getLocalStorage("cart") == null) {
```

```javascript
        resetCart();
}

window.addEventListener("load", () => {
    // Select all form elements
    let formElements = document.querySelectorAll('input[type="text"], #check-pp');

    // Add appropriate event listeners to them
    for (const element of formElements) {
        let jQueryEl = $(element);
        if (jQueryEl.attr("type") == "checkbox") {
            $(element).change(checkFormElement);
            continue;
        }
        jQueryEl.blur(checkFormElement);
    }

    // Make sure form is valid before submition
    let form = document.querySelector("form");
    if (form != null) {
        // Add opening privacy policy menu
        form.addEventListener("submit", function (event) {
            event.preventDefault();

            // Fires blur or change event on every form element so
            // that we can check if all form elements values are valid
            for (const element of formElements) {
                let jQueryEl = $(element);
                if (jQueryEl.attr("type") == "checkbox") {
                    jQueryEl.change();
                    continue;
                }
                jQueryEl.blur();
            }

            // After running checkFormElement for every form
            // element if no errors are present we can submit the form
            for (const element of formErrors) {
                if (element.isVisible) return;
            }

            // Submit form and reset cart
            resetCart();
            form.submit();
        });
    }
});
```