

# TehnoTRON

Projekat iz Web programiranja 2

<https://lthechubbyl.github.io/tehnotron/>



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# TEHNOTRON

## 1 UVOD

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### 1.1 KORIŠĆENI PROGRAMSKI JEZICI

- HTML5, CSS3, Bootstrap 5.2, JavaScript, JQuery, Swiper, FontAwesome
- Visual Studio Code

### 1.2 OPIS FUNKCIONALNOSTI

Glavne funkcionalnosti sajta su:

- Loader
- Dodavanje proizvoda u "korpu"
- Prikazivanje nove stranice koja se odnosi na sadržaj korpe
- Upravljanje proizvodima unutar korpe
- Prepoznavanje ako je korpa prazna
- Validacija narudzbine
- Dodavanje proizvoda u "listu želja"
- Prikazivanje panela koji se odnosi na sadržaj liste želja
- Upravljanje proizvodima unutar liste želja
- Prepoznavanje ako je lista želja prazna
- Pretraga proizvoda po nazivu
- Slider koji prikazuje "nove" proizvode
- Timer koji otkucava do završetka "akcije"
- Filtriranje i sortiranje proizvoda putem radio button-a, check box-ova, klizaca, inputa, dropdown liste
- Prepoznavanje ako ne postoje proizvodi koji odgovaraju odabranim filterima
- 2 načina prikazivanja proizvoda
- Dinamički ispis proizvoda kroz funkcije
- Dinamičko prepoznavanje da li je proizvod "na akciji" ili "novi"
- Dinamičko prepoznavanje da li je proizvod već u listi želja
- Pristupanje posebne stranice koja je namenjena za prikaz proizvoda
- Dodatni detalji vezani za proizvod ispisani pomoću tab-ova

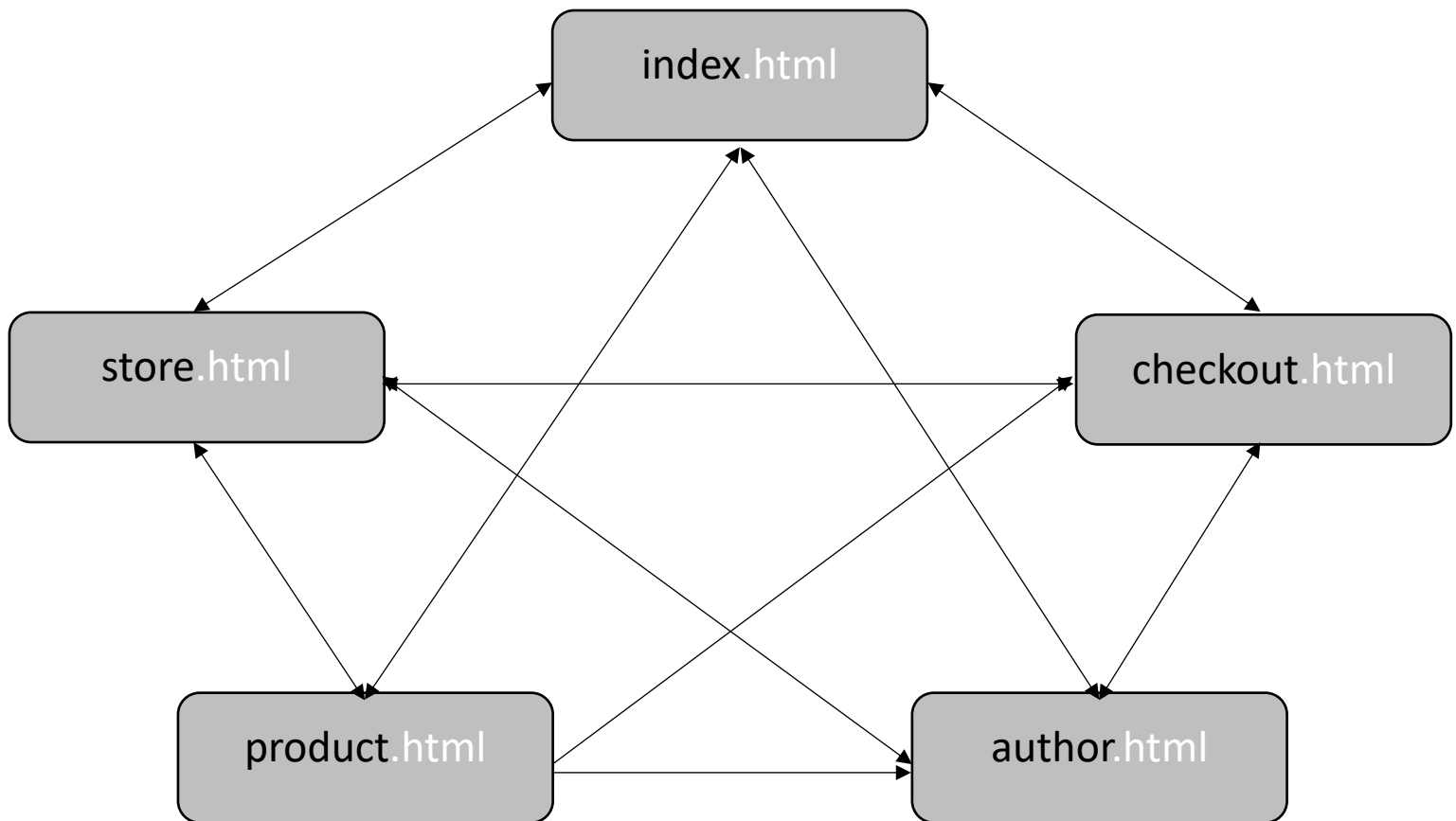
### 1.3 TEMPLATE

- <https://themewagon.com/themes/free-bootstrap-ecommerce-template-electro/>

## 2 ORGANIZACIJA

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### 2.1 ORGANIZACIONA ŠEMA



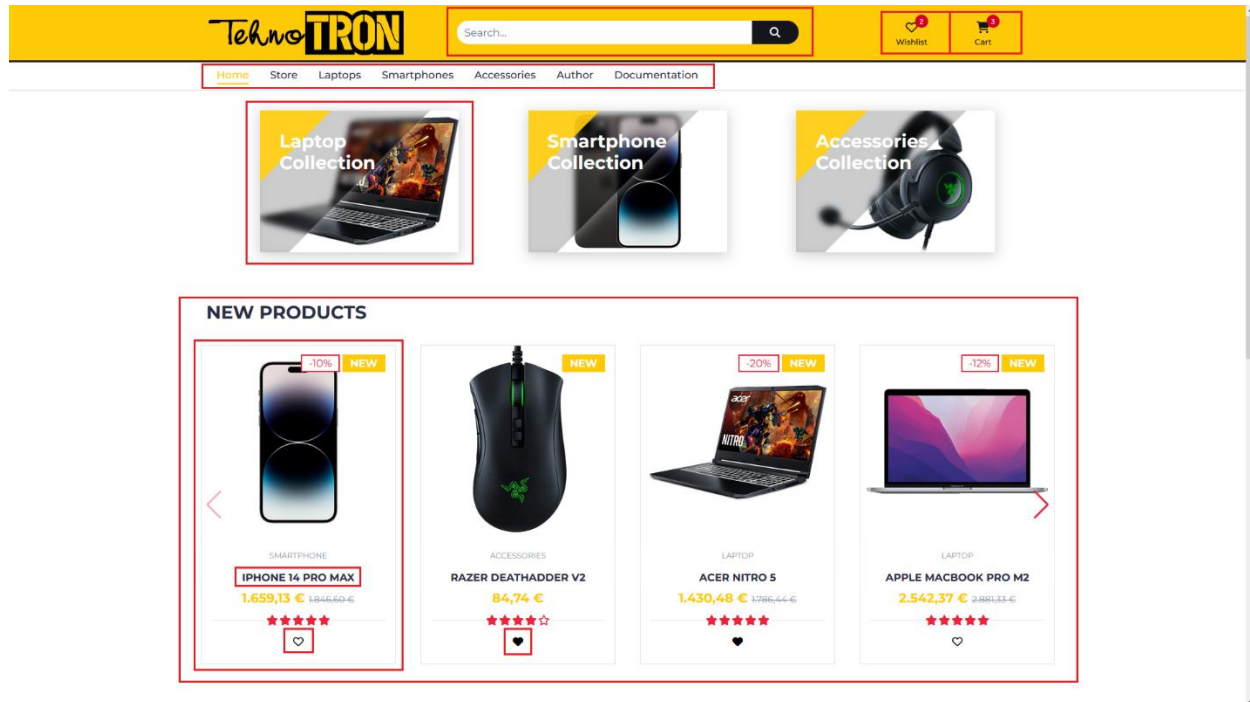
### 2.2 MAPA SAJTA

```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <url>
    <loc>https://lthechubbyl.github.io/tehnotron/index.html</loc>
    <lastmod>2023-03-08</lastmod>
    <changefreq>daily</changefreq>
    <priority>1.0</priority>
  </url>
  <url>
    <loc>https://lthechubbyl.github.io/tehnotron/store.html</loc>
```

```
<lastmod>2023-03-08</lastmod>
<changefreq>daily</changefreq>
<priority>0.8</priority>
</url>
<url>
  <loc>https://lthechubbyl.github.io/tehnotron/product.html<
/loc>
  <lastmod>2023-03-08</lastmod>
  <changefreq>daily</changefreq>
  <priority>0.7</priority>
</url>
<url>
  <loc>https://lthechubbyl.github.io/tehnotron/checkout.html
</loc>
  <lastmod>2023-03-08</lastmod>
  <changefreq>daily</changefreq>
  <priority>0.6</priority>
</url>
<url>
  <loc>https://lthechubbyl.github.io/tehnotron/author.html</
loc>
  <lastmod>2023-03-08</lastmod>
  <changefreq>daily</changefreq>
  <priority>0.5</priority>
</url>
</urlset>
```

## 2.3 SLIKE STRANICA I OPISI FUNKCIONALNOSTI

### 2.3.1 index.html



#### 1.

- Linkovi unutar navigacionog menija su dinamički kreirani koriscenjem podataka iz json fajla
- Active klasa za link u nav se dodeljuje preko odredjivanja trenutne stranice putem url adrese
- Linkovi Laptops, Smartphones i Accessories vode na istu stranicu (store.html), ali pritom prosledjuje i parametar "cat" kroz url adresu pomocu kojeg se automatski cekira odgovarajuci radio button i filtriraju proizvodi na stranici

#### 2.

- Search se sastoji od input polja i button-a
- Funkcionalnost je podrzana na svakoj stranici
- Ukoliko trenutna stranica nije prodavnica (store.html), prilikom ukucavanja u search i pritiskom na dugme se automatski redirect-uje na store.html i zatim se na osnovu upisa filtriraju proizvodi tako sto se prikazuju samo oni koji sadrze upisane karaktere unutar svoga imena
- Ukoliko trenutna stranica jeste prodavnica, samo ce se pozvati funkcija koja ce filtrirati i prikazati zeljene proizvode

### 3.

- Klikom na “wishlist” otvara se panel sa desne strane unutar kojeg se nalaze proizvodi koji su prethodno postavljeni u “listu zelja”
- Funkcionalnost je podrzana na svakoj stranici
- Broj koji se nalazi iznad ikonice se dinamicki pojavljuje, menja vrednost I nestaje u skladu sa dodavanjem I brisanjem proizvoda iz listu zelja, bez obzira sa koje stranice je doslo do promene

### 4.

- Klikom na “cart” otvara se nova stranica checkout.html na kojoj se nalazi forma I prikazani su podaci koji su prethodno postavljeni u “korpu”
- Funkcionalnost je podrzana na svakoj stranici
- Broj koji se nalazi iznad ikonice se dinamicki pojavljuje, menja vrednost I nestaje u skladu sa dodavanjem I brisanjem proizvoda iz korpe, bez obzira sa koje stranice je doslo do promene

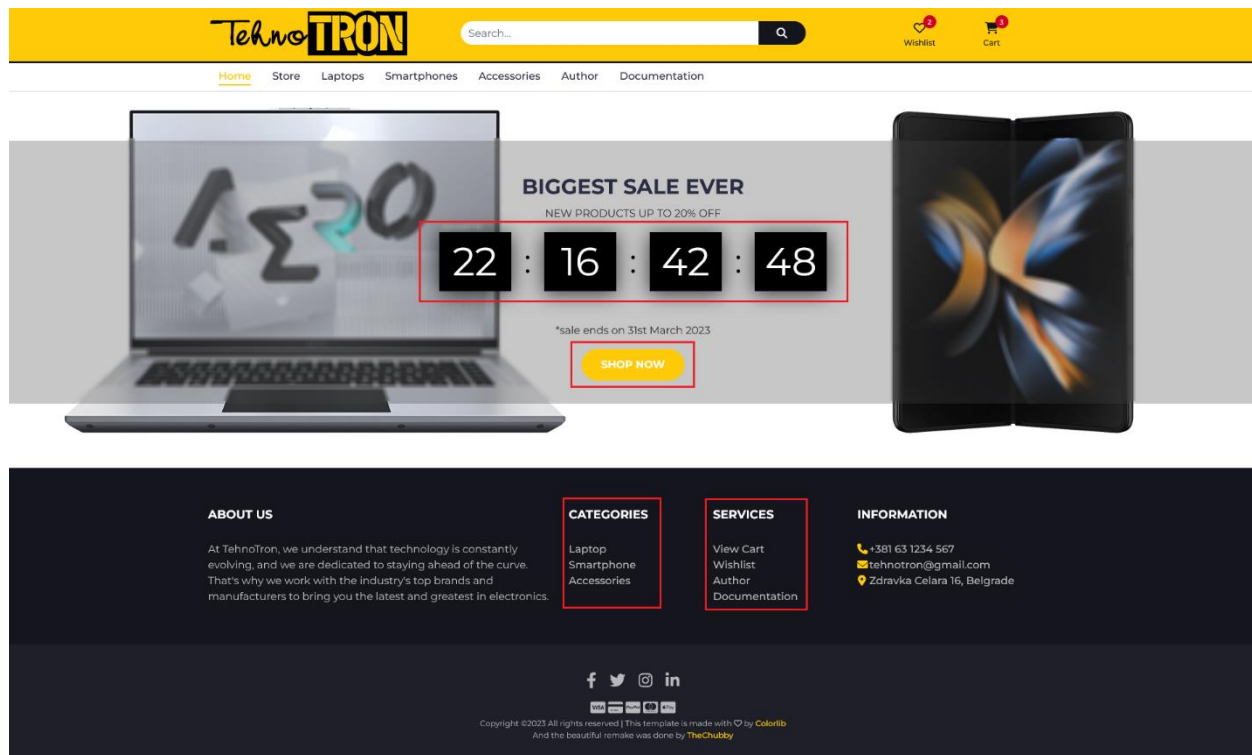
### 5.

- Sekcija sa kolekcijama je dinamicki napravljena koristeći categories.json, svaki element vodi na stranicu store.html I ujedno filtrira proizvode koji spadaju u te kategorije

### 6.

- Sekcija “new products” se sastoji od slider-a koji je napravljen pomocu dodatne biblioteke swiper.js
- Slider se podrazumevano menja na timer, takodje moze I rucno preko strelica ili drag
- Proizvodi su prikazani putem iste funkcije kao I na stranici store.html, dinamicki odvojeni samo oni proizvodi koji imaju oznaku “new”, detaljnije o samoj funkciji na stranici store.html
- Elementi koji se vec nalaze u listi zelja ostaju obeleženi



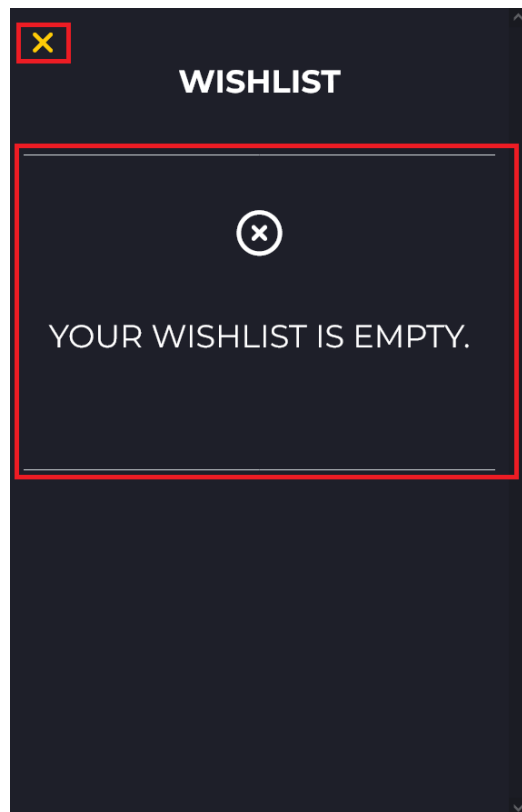
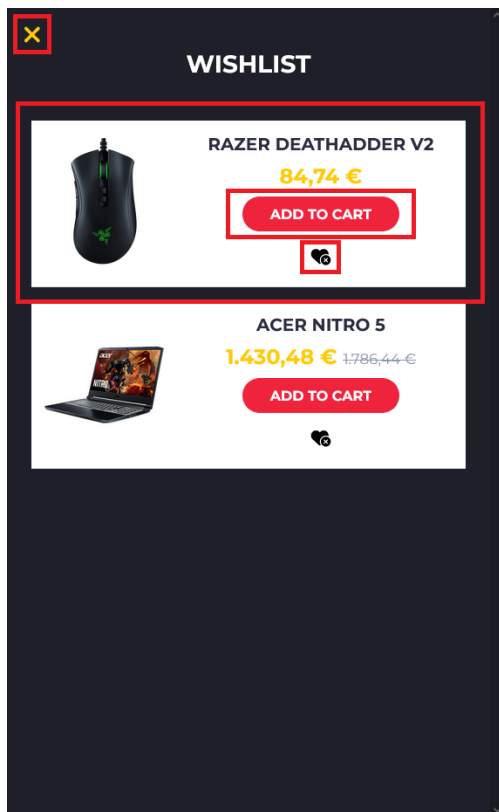


## 7.

- Unutar sekcije za akciju se nalazi timer koji otkucava vreme do zavrsetka same akcije, u ovom slucaju do 31.
- Dugme "shop now" vodi na stranicu store.html

## 8.

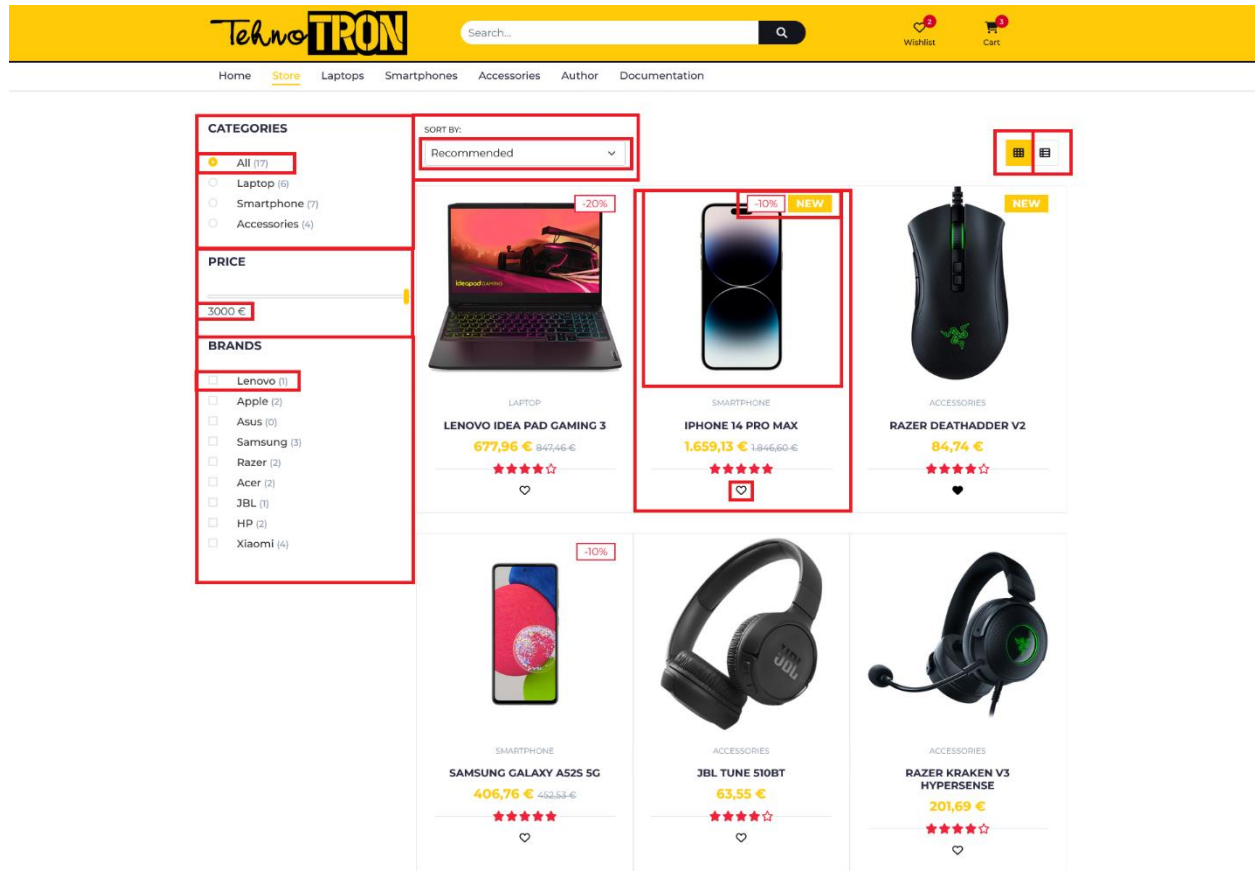
- Kategorije u footer-u su takodje dinamicki izvedene pomocu categories.json fajla "services" :
- View Cart vodi na stranicu checkout.html
- Wishlist otvara panel sa desne strane koji se odnosi na listu zelja
- Author vodi na stranicu author.html
- Documentation vodi na pdf ove dokumentacije



### 1.

- Panel koji se otvara se desne strane ekrana prilikom pristupanja listi želja
- Ako nijedan proizvod nije dodan u listu želja ili je svaki uklonjen iz iste, prikazat će se da je prazna
- Ako je već dodan proizvod, prikazat će se na pristupačan način, sadrži samo najbitnije, sliku, naziv, cijenu
- Dugme "add to cart" dodaje taj element u korpu
- Dugme ispod služi za uklanjanje tog elementa iz liste želja
- U gornjem lijevom uglu se nalazi dugme za sklanjanje panela
- Ako lista proizvoda prije vidljivosti ekrana, pojavljuje se klizac koji omogućuje da se pregleda cijela lista

## 2.3.2 store.html



### 1.

- Prilikom učitavanja stranice prikazuju se svi proizvodi iz products.json fajla, “preporučenim” redosledom
- Svaki način za filtriranje i sortiranje radi istovremeno

Filter za kategorije:

- Radio button-i za kategorije dinamički kreirani iz categories.json
- Pored svake kategorije se nalazi broj proizvoda iz te kategorije
- Primarno je cekiran radio button “all” koji prikazuje proizvode iz svih kategorija
- Ukoliko se cekira bilo koji drugi poziva se funkcija koja proverava koja kategorija je odabrana i zatim se prikazuju proizvodi iz te kategorije

Filter za cenu:

- Input tipa range
- Ispod njega se nalazi span tag čija vrednost predstavlja vrednost samog range-a
- Inicijalno klizac je na kraju prikazujući sve proizvode

- Prilikom svakog pomeraja, span tag menja svoju vrednost I prikazuju se samo oni proizvodi koji su jeftiniji od trenutne vrednosti

Filter za brend:

- Check box-ovi dinamicki kreirani iz brends.json fajla
- Pored svakog brenda se nalazi broj proizvoda iz tog brenda
- Odabirom jednog ili vise brenda se shodno tome filtriraju proizvodi na stranici

Sortiranje:

- Dropdown lista se sastoji od 4 vrste sortiranja + podrazumevani tip sortiranja
- "by price asc" – sortira proizvode po ceni rastuce
- "by price desc" – sortira proizvode po ceni opadajuće
- "by name asc" – sortira proizvode po nazivu rastuce
- "by name desc" – sortira proizvode po nazivu opadajuće
- Ako u bilo kom trenutku za odabranu kombinaciju ne postoji ni jedan proizvod, ispisuje se obavestenje o tome

## 2.

- Iznad proizvoda u gornjem desnom uglu se nalaze dve ikonice koje se odnose na nacin prikazivanja da li to bilo grid ili list tip prikaza
- Struktura se shodno tome I menja

## 3.

- Svaki proizvod prolazi kroz funkciju ispisivanja
- Funkcija zalazi u svaki deo ugnjezdenog json-a I postoje dodatne funkcije koje resavaju neku logiku koja nije zajednicka za svaki proizvod
- Popusti I "novi" proizvodi su primeri takvih funkcija
- Ako je unutar json-a definisano da popust postoji sa nekom vrednoscu on se ispisuje iznad slike proizvoda, ako je null, tada se ne ispisuje nikakav blok
- Isto vazi I za nove proizvode, ako definisano kao true, tada se blok ispisuje takodje iznad slike I oznacava taj proizvod, ako je definisano kao false, ne ispisuje se nista
- Takodje postoji I funkcija koja za definisanu ocenu pojedinacnog proizvoda, prikazuje odgovarajuci broj zvezdica (popunjenih I ne)
- Postoji i funkcija koja prikazuje da li je taj proizvod vec ranije dodat u listu zelja, time se ta informacija pamti I prikazuje na svim ostalim stranicama
- Izvrsava se I funkcija koja samo prikuplja podatak za zadati id, ispis kategorije se radi na takav nacin
- Slika I ime proizvoda su direktan link na stranicu product.html kojoj se kroz url prosledjuje data-id I prikazuje taj proizvod

### 2.3.3 product.html

**TehnoTRON** Search... Wishlist Cart

Home Store Laptops Smartphones Accessories Author Documentation

**LENOVO IDEA PAD GAMING 3**  
★★★★☆ 3 Review(s)  
**677,96 €** ~~847,46 €~~ **IN STOCK**

The Lenovo IdeaPad Gaming 3 is a budget-friendly gaming laptop designed for casual gamers. It features a 15.6-inch Full HD IPS display, 10th Gen Intel Core i5 processor, NVIDIA GeForce GTX 1650 graphics, 8GB DDR4 RAM, and a 256GB SSD. It has a backlit keyboard, a 720p webcam, and Harman Kardon speakers.

QUANTITY: 1 **ADD TO CART**

CATEGORY: LAPTOP

Specifications	Details	Reviews (3)
Processor:	AMD Ryzen 5 4600H	
Memory:	8 GB DDR4 - 3200 MHz	
Storage:	512 GB SSD	
Display:	15,6" Anti-glare	
Graphics:	nVidia GeForce GTX 1650	
InstalledOS:	Linux	

#### 1.

- Pored glavne slike prikazanog proizvoda se nalazi lista drugih slika koje su povezane sa tim proizvodom, klikom na neku od njih, glavna slika se menja

#### 2.

- Broj ocena koje se nalaze pored same ocene proizvoda je link na sekciju ispod koja se sastoji od tab-ova, a jedan od tab-ova je prikaz tih ocena

#### 3.

- Odabir kolicine je povezan sa dugmetom za dodavanje u korpu
- Minimalan iznos je 1, a maksimalan 10
- Klikom na dugme se proizvod dodaje u korpu sa zeljenom kolicinom

#### 4.

- Pored toga se nalazi ikonica za dodavanje u korpu, kao i na ostalim stranicama, dodaje se proizvod u listu zelja

#### 5.

- Tu se još i nalazi kategorija kojoj pripada proizvod koja je također link na stranicu store.html i pri dolasku na stranicu se ceka radio button te kategorije

## 6.

- Ispod proizvoda se nalaze tab-ovi koji sadrže neke dodatne informacije vezano za proizvod
- Postoje 3 taba:

“Specifications” – koji prikazuje specifikacije proizvoda, ime komponente i naziv ili vrednost

“Details” – koji prikazuje detaljniji opis proizvoda i njegovih funkcionalnosti

“Reviews” – koji prikazuje ocene korisnika ili kupaca koje obuhvataju ime, ocena, datum ocenjivanja i komentar ocene, svaka ocena je izvucena preko svog id-a iz reviews.json fajla

### 2.3.4 checkout.html

**TehnoTRON** Search... Wishlist Cart

Home Store Laptops Smartphones Accessories Author Documentation

#### BILLING ADDRESS

First Name

Last Name

Email

Address

Phone number

Comments

#### YOUR ORDER

PRODUCT	QUANTITY	NAME	TOTAL
	1	Razer DeathAdder V2	1 x 84,74 €
	1	Acer Nitro 5	1 x 1430,48 €
	1	Apple MacBook Pro M2	1 x 2542,37 €
Shipping			FREE
<b>TOTAL</b>			<b>4,057.59 €</b>

**PAYMENT METHOD**

☐ VISA ☐ PayPal

☐ I've read and I accept the terms & conditions

**PLACE ORDER**

## 1.

- Klikom na ikonicu cart sa bilo koje stranice vodi na checkout.html
- Na njoj se nalazi forma koju popunjava kupac licnim podacima i sazet prikaz njegovih izabranih proizvoda koje je stavio u korpu
- Forma se validira preko regularnih izraza, za svako polje postoji i greska koja ce se pojaviti pri nepravilnom unosu podataka

## 2.

- Proizvodi iz korpe su prikazani u listi
- Svaka stavka ove narudzbine ima input preko kojeg se upravlja sa kolicinom, na svaku promenu se prikaz cene za proizvod menja, a tako i ukupan iznos narudzbine
- Takodje se u gornjem desnom uglu svake stavke nalazi "kantica" koja služi kao taster za uklanjanje te stavke iz narudzbine, a tako i iz korpe

## 3.

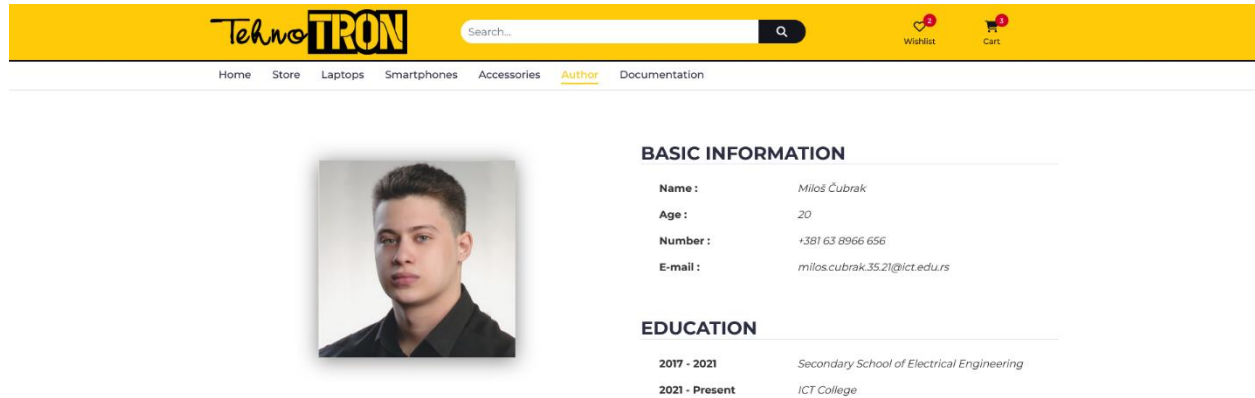
- Kada se pritisne dugme "place order" poziva se funkcija koja proverava formu i sve unose, ukoliko nema greske, forma se resetuje i ispisuje se obavestjenje o uspesno poslatoj narudzbini

The screenshot displays the TehnoTRON website interface. The header is yellow with the logo 'TehnoTRON' on the left, a search bar in the center, and 'Wishlist' and 'Cart' icons on the right. Below the header is a navigation menu with links: Home, Store, Laptops, Smartphones, Accessories, Author, and Documentation. The main content area is divided into two columns. The left column contains a 'BILLING ADDRESS' form with a red border and a red error message: '\* form is disabled because the cart is empty.' The form fields include First Name, Last Name, Email, Address, Phone number, and Comments. The right column shows a large white box with a red border containing a red 'X' icon and the text 'YOUR CART IS EMPTY.' At the bottom of this box is a yellow button labeled 'GO BACK TO STORE'.

## 4.

- Prikaz ove stranice kada je korpa prazna izgleda ovako
- Ispisuje se obavestjenje da je forma onespособljena, ne može da se pristupi nijednom polju forme i da se upise bilo koji podatak
- Sa druge strane se ispisuje obavestjenje da je korpa prazna zajedno sa dugmetom za vraćanje nazad na stranicu prodavnice

### 2.3.5 author.html



#### 1.

- Stranica author.html je samo staticka stranica, izuzev header-a



## 3 KODOVI

---

### 3.1 HTML

#### 3.1.1 index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head;
any other head content must come *after* these tags -->
    <meta name="description" content="Welcome to TehnoTron -
your go-to source for the latest in laptops, phones, and
accessories. Shop our extensive collection of high-quality
electronics and stay connected in style.">
    <meta name="keywords" content="cart, categories, products,
tehnotron, wishlis, sale, electronics">
    <title>TehnoTRON | Home</title>
    <link rel="shortcut icon" href="favicon.ico" />
    <!-- Google font -->
    <link
href="https://fonts.googleapis.com/css?family=Montserrat:400,500,7
00" rel="stylesheet" />

    <!-- Bootstrap NEW -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootst
rap.min.css" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuaC0mLASjC"
crossorigin="anonymous" />

    <!-- Custom stlylesheet -->
    <link type="text/css" rel="stylesheet"
href="assets/css/style.min.css" />

    <!-- Swiper slider -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/swiper@9/swiper-bundle.min.css"
/>
```

```

</head>
<body>
  <div id="loader">
    
  </div>
  <div class="sticky-md-top">
    <header>
      <div id="header">
        <div class="container-lg py-2">
          <div class="row align-items-center
justify-content-between">
            <div class="col-md-3">
              <div class="header-logo d-flex
justify-content-center mb-md-0 mb-2">
                <a href="index.html"
class="logo">
                  
                </a>
              </div>
            </div>
            <div class="col-md-5">
              <div class="header-search"
id="header-search">
                <div class="input-group">
                  <input class="form-control
border-0" id="search" type="text" placeholder="Search...">
                  <button class="btn btn-
primary search-btn" type="button"><i class="fa-solid fa-
magnifying-glass px-3"></i></button>
                </div>
              </div>
            </div>
            <div class="col-md-3">
              <div class="row header-ctn mt-md-2
mt-4 justify-content-center">
                <div class="col-4">
                  <a href="#"
class="wishlist">
                    <i class="fa-regular
fa-heart"></i>
                    <span>Wishlist</span>

```



```

        <div class="container">
            <div id="responsive-nav">
                <ul class="main-nav nav py-2">
                </ul>
            </div>
        </div>
    </nav>
</div>

<div class="section">
    <div class="container">
        <div class="row justify-content-evenly"
id="collections">

            </div>
        </div>
    </div>

    <div class="section">
        <div class="container">
            <div class="row">
                <div class="col-md-12">
                    <div class="section-title">
                        <h3 class="title">New Products</h3>
                    </div>
                </div>
                <div class="col-md-12">
                    <div class="row" id="new-products">
                        <!-- Slider -->
                        <div class="swiper p-1">
                            <div class="swiper-wrapper">

                                </div>
                                <div class="swiper-
pagination"></div>
                                <div class="swiper-button-
prev"></div>
                                <div class="swiper-button-
next"></div>

                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        </div>
    </div>

    <div id="hot-deal" class="section my-5">
        <div class="container">
            <div class="row">
                <div class="col-12">
                    <div class="text-center">
                        <h2 class="text-uppercase">Biggest
sale ever</h2>
                        <p class="text-uppercase">New products
up to 20% off</p>
                        <div id="countdown" class="row
justify-content-center mb-5">
                            <div id="days" class="col-xl-1
col-2 mx-2"></div>
                            <span class="my-auto w-
auto">:</span>
                            <div id="hours" class="col-xl-1
col-2 mx-2"></div>
                            <span class="my-auto w-
auto">:</span>
                            <div id="minutes" class="col-xl-1
col-2 mx-2"></div>
                            <span class="my-auto w-
auto">:</span>
                            <div id="seconds" class="col-xl-1
col-2 mx-2"></div>
                        </div>
                        <span class="d-block mb-3">*sale ends
on 31st March 2023</span>
                        <a class="primary-btn cta-btn"
href="store.html">Shop now</a>
                    </div>
                </div>
            </div>
        </div>
    </div>

    <div>
        <div class="row text-md-start text-center">

```

```

        <div class="col-md-5 col-xs-6">
            <div class="footer">
                <h3 class="footer-title">About
Us</h3>
                <p>At TehnoTron, we understand
that technology is constantly evolving, and we are dedicated to
staying ahead of the curve. That's why we work with the industry's
top brands and manufacturers to bring you the latest and greatest
in electronics.</p>
            </div>
        </div>

        <div class="col-md-2 col-xs-6">
            <div class="footer">
                <h3 class="footer-
title">Categories</h3>
                <ul class="footer-links"
id="footer-cats">

                    </ul>
            </div>
        </div>

        <div class="col-md-2 col-xs-6">
            <div class="footer">
                <h3 class="footer-
title">Services</h3>
                <ul class="footer-links">
                    <li><a
href="checkout.html">View Cart</a></li>
                    <li class="wishlist"><a
href="#">Wishlist</a></li>
                    <li><a
href="author.html">Author</a></li>
                    <li><a
href="documentation.pdf">Documentation</a></li>
                </ul>
            </div>
        </div>

        <div class="col-md-3 col-xs-6">
            <div class="footer">

```

```

        <h3 class="footer-
title">Information</h3>
        <ul class="footer-links">
            <li><a href="#"><i class="fa-
solid fa-phone"></i> +381 63 1234 567</a></li>
            <li><a href="#"><i class="fa-
solid fa-envelope"></i> tehnotron@gmail.com</a></li>
            <li><a href="#"><i class="fa-
solid fa-location-dot"></i> Zdravka Celara 16, Belgrade</a></li>
        </ul>
    </div>
</div>
</div>
</div>
<div id="bottom-footer" class="section">
    <div class="container">
        <div class="row">
            <div class="col-12 text-center">
                <ul class="footer-payments">
                    <li><a class="p-2 fs-4"
href="https://www.facebook.com"><i class="fa-brands fa-facebook-
f"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://twitter.com"><i class="fa-brands fa-
twitter"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://www.instagram.com/"><i class="fa-brands fa-
instagram"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://www.linkedin.com/"><i class="fa-brands fa-linkedin-
in"></i></a></li>
                </ul>
                <ul class="footer-payments">
                    <li class="fs-5"><i class="fa-
brands fa-cc-visa"></i></li>
                    <li class="fs-5"><i class="fa-
solid fa-credit-card"></i></li>
                    <li class="fs-5"><i class="fa-
brands fa-cc-paypal"></i></li>
                    <li class="fs-5"><i class="fa-
brands fa-cc-mastercard"></i></li>

```





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

### 3.1.2 store.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head;
any other head content must come *after* these tags -->
    <meta name="description" content="Discover a wide range of
laptops, phones, and accessories at TehnoTron's online store. Shop
with confidence knowing you're getting the best in quality and
performance.">
    <meta name="keywords" content="tehnotron, categories,
brands, manufacturers, sort, filter, categories, store,
technology">
    <title>TehnoTRON | Store</title>
    <link rel="shortcut icon" href="favicon.ico" />
    <!-- Google font -->
    <link
href="https://fonts.googleapis.com/css?family=Montserrat:400,500,7
00" rel="stylesheet"/>

    <!-- Bootstrap NEW -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootst
rap.min.css" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuaC0mLASjC"
crossorigin="anonymous">

    <!-- Custom stylesheet -->
    <link type="text/css" rel="stylesheet"
href="assets/css/style.min.css"/>

    <!-- Swiper slider -->
```

```

        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/swiper@9/swiper-
bundle.min.css"/>
    </head>
    <body>
        <div id="loader">
            
        </div>
        <div class="sticky-md-top">
            <header>
                <div id="header">
                    <div class="container-lg py-2">
                        <div class="row align-items-center
justify-content-between">
                            <div class="col-md-3">
                                <div class="header-logo d-flex
justify-content-center mb-md-0 mb-2">
                                    <a href="index.html"
class="logo">
                                        
                                    </a>
                                </div>
                            </div>
                            <div class="col-md-5">
                                <div class="header-search"
id="header-search">
                                    <div class="input-group">
                                        <input class="form-control
border-0" id="search" type="text" placeholder="Search...">
                                        <button class="btn btn-
primary search-btn" type="button"><i class="fa-solid fa-
magnifying-glass px-3"></i></button>
                                    </div>
                                </div>
                            </div>
                            <div class="col-md-3">
                                <div class="row header-ctn mt-md-2
mt-4 justify-content-center">
                                    <div class="col-4">
                                        <a href="#"
class="wishlist">

```

```

        <i class="fa-regular
fa-heart"></i>

        <span>Wishlist</span>
        <div class="qty d-
none" id="wishQty"></div>

        </a>
    </div>
    <div class="col-4">
        <a href="checkout.html"

            <i class="fa fa-
shopping-cart"></i>

            <span>Cart</span>
            <div class="qty d-
none" id="cartQty"></div>

            </a>
        </div>
    <div class="menu-toggle col-
4">

        <a href="#">
            <i class="fa fa-
bars"></i>

            <span>Menu</span>
        </a>
    </div>
    <div id="wishlist-tab"
class="position-fixed top-0 bottom-0 end-0">
        <div id="close-tab">
            <i class="fa-solid fa-
xmark fs-3 mt-3 ms-2"></i>

        </div>
        <h3 class="title text-
center text-uppercase mb-5">wishlist</h3>
        <div id="wishlist-tab-
content">

            </div>
        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>

```

```

</header>

<nav id="navigation">
  <div class="container">
    <div id="responsive-nav">
      <ul class="main-nav nav py-2">
      </ul>
    </div>
  </div>
</nav>
</div>

<div class="section">
  <div class="container-lg">
    <div class="row">
      <div id="aside" class="col-md-3">
        <div class="aside">
          <h3 class="aside-
title">Categories</h3>
          <div class="checkbox-filter"
id="rbListCategory">

          </div>
        </div>

        <div class="aside">
          <h3 class="aside-title">Price</h3>
          <div class="price-filter position-
relative pb-3">
            <input type="range" class="form-
range" min="0" max="3000" step="10" value="3000" id="rPrice">
            <div class="position-absolute
bottom-0">
              <span id="range-value"></span>
            </div>
          </div>
        </div>

        <div class="aside">
          <h3 class="aside-title">Brands</h3>
          <div class="checkbox-filter"
id="chbListBrands">

```

```

        </div>
    </div>
</div>

<div id="store" class="col-md-9">
    <div class="row store-filter">
        <div class="store-sort col-md-4">
            <label class="form-label me-2">
                Sort By:
            </label>
            <select class="form-select"
id="ddlSort">

                </select>
            </div>
            <ul class="store-grid d-md-flex d-none
col-md-8 justify-content-end align-items-end">
                <li class="active" id="store-grid-
cells"><a href="#"><i class="fa-solid fa-table-
cells"></i></a></li>

                <li id="store-grid-list"><a
href="#"><i class="fa-solid fa-table-list"></i></a></li>
            </ul>
        </div>

        <!-- store products -->
        <div class="row" id="store-products">

        </div>
        <!-- /store products -->
    </div>
</div>
</div>
</div>
</div>

<footer id="footer">
    <div class="section">
        <div class="container">
            <div class="row text-md-start text-center">
                <div class="col-md-5 col-xs-6">
                    <div class="footer">
                        <h3 class="footer-title">About
Us</h3>

```

```

                <p>At TehnoTron, we understand
that technology is constantly evolving, and we are dedicated to
staying ahead of the curve. That's why we work with the industry's
top brands and manufacturers to bring you the latest and greatest
in electronics.</p>

            </div>
        </div>

        <div class="col-md-2 col-xs-6">
            <div class="footer">
                <h3 class="footer-
title">Categories</h3>
                <ul class="footer-links"
id="footer-cats">

                    </ul>
            </div>
        </div>

        <div class="col-md-2 col-xs-6">
            <div class="footer">
                <h3 class="footer-
title">Services</h3>
                <ul class="footer-links">
                    <li><a
href="checkout.html">View Cart</a></li>
                    <li class="wishlist"><a
href="#">Wishlist</a></li>
                    <li><a
href="author.html">Author</a></li>
                    <li><a
href="documentation.pdf">Documentation</a></li>
                </ul>
            </div>
        </div>

        <div class="col-md-3 col-xs-6">
            <div class="footer">
                <h3 class="footer-
title">Information</h3>
                <ul class="footer-links">

```

```

                <li><a href="#"><i class="fa-
solid fa-phone"></i> +381 63 1234 567</a></li>
                <li><a href="#"><i class="fa-
solid fa-envelope"></i> tehnotron@gmail.com</a></li>
                <li><a href="#"><i class="fa-
solid fa-location-dot"></i> Zdravka Celara 16, Belgrade</a></li>
            </ul>
        </div>
    </div>
</div>
</div>
</div>
</div>
<div id="bottom-footer" class="section">
    <div class="container">
        <div class="row">
            <div class="col-12 text-center">
                <ul class="footer-payments">
                    <li><a class="p-2 fs-4"
href="https://www.facebook.com"><i class="fa-brands fa-facebook-
f"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://twitter.com"><i class="fa-brands fa-
twitter"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://www.instagram.com/"><i class="fa-brands fa-
instagram"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://www.linkedin.com/"><i class="fa-brands fa-linkedin-
in"></i></a></li>
                </ul>
                <ul class="footer-payments">
                    <li class="fs-5"><i class="fa-
brands fa-cc-visa"></i></li>
                    <li class="fs-5"><i class="fa-
solid fa-credit-card"></i></li>
                    <li class="fs-5"><i class="fa-
brands fa-cc-paypal"></i></li>
                    <li class="fs-5"><i class="fa-
brands fa-cc-mastercard"></i></li>
                    <li class="fs-5"><i class="fa-
brands fa-cc-apple-pay"></i></li>
                </ul>
                <span class="copyright">

```





### 3.1.3 product.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head;
any other head content must come *after* these tags -->
    <meta name="description" content="Find the perfect laptop,
smartphone, or accessory for your needs at TehnoTron. Our
carefully curated selection of products offers something for
everyone.">
    <meta name="keywords" content="tehnotron, brands,
manufacturers, sort, filter, categories, store, technology">
    <title>TehnoTRON | Product</title>
    <link rel="shortcut icon" href="favicon.ico" />
    <!-- Google font -->
    <link
href="https://fonts.googleapis.com/css?family=Montserrat:400,500,7
00" rel="stylesheet"/>

    <!-- Bootstrap NEW -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootst
rap.min.css" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWFspD3yD65VohhpUuCOmLASjC"
crossorigin="anonymous">

    <!-- Custom stylesheet -->
    <link type="text/css" rel="stylesheet"
href="assets/css/style.min.css"/>

    <!-- Swiper slider -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/swiper@9/swiper-
bundle.min.css"/>
  </head>
  <body>
    <div id="loader">
      
```

```

    </div>
    <div class="sticky-md-top">
        <header>
            <div id="header">
                <div class="container-lg py-2">
                    <div class="row align-items-center
justify-content-between">
                        <div class="col-md-3">
                            <div class="header-logo d-flex
justify-content-center mb-md-0 mb-2">
                                <a href="index.html"
class="logo">
                                    
                                </a>
                            </div>
                        </div>
                        <div class="col-md-5">
                            <div class="header-search"
id="header-search">
                                <div class="input-group">
                                    <input class="form-control
border-0" id="search" type="text" placeholder="Search...">
                                    <button class="btn btn-
primary search-btn" type="button"><i class="fa-solid fa-
magnifying-glass px-3"></i></button>
                                </div>
                            </div>
                        </div>
                        <div class="col-md-3">
                            <div class="row header-ctn mt-md-2
mt-4 justify-content-center">
                                <div class="col-4">
                                    <a href="#"
class="wishlist">
                                        <i class="fa-regular
fa-heart"></i>
                                        <span>Wishlist</span>
                                        <div class="qty d-
none" id="wishQty"></div>
                                    </a>
                                </div>
                                <div class="col-4">

```

```
<a href="checkout.html" id="cart">
    <i class="fa fa-shopping-cart"></i>
    Cart
</a>
</div>
<div class="menu-toggle col-4">
    <a href="#">
        <i class="fa fa-bars"></i>
        Menu
    </a>
</div>
<div id="wishlist-tab" class="position-fixed top-0 bottom-0 end-0">
    <div id="close-tab">
        <i class="fa-solid fa-xmark fs-3 mt-3 ms-2"></i>
    </div>
    <h3 class="title text-center text-uppercase mb-5">wishlist</h3>
    <div id="wishlist-tab-content">
    </div>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</header>

<nav id="navigation">
    <div class="container">
        <div id="responsive-nav">
            <ul class="main-nav nav py-2">
                </ul>
            </div>
        </div>
    </div>
</nav>
```

```

        </div>
    </nav>
</div>

<div class="section pt-5">
    <div class="container" id="product-content">
        <div class="row justify-content-between">

            </div>
        </div>
    </div>

<footer id="footer">
    <div class="section">
        <div class="container">
            <div class="row text-md-start text-center">
                <div class="col-md-5 col-xs-6">
                    <div class="footer">
                        <h3 class="footer-title">About
Us</h3>
                        <p>At TehnoTron, we understand
that technology is constantly evolving, and we are dedicated to
staying ahead of the curve. That's why we work with the industry's
top brands and manufacturers to bring you the latest and greatest
in electronics.</p>
                    </div>
                </div>
                <div class="col-md-2 col-xs-6">
                    <div class="footer">
                        <h3 class="footer-
title">Categories</h3>
                        <ul class="footer-links"
id="footer-cats">
                            </ul>
                    </div>
                </div>
                <div class="col-md-2 col-xs-6">
                    <div class="footer">

```

```

        <h3 class="footer-
title">Services</h3>
        <ul class="footer-links">
            <li><a
href="checkout.html">View Cart</a></li>
            <li class="wishlist"><a
href="#">Wishlist</a></li>
            <li><a
href="author.html">Author</a></li>
            <li><a
href="documentation.pdf">Documentation</a></li>
        </ul>
    </div>
</div>

    <div class="col-md-3 col-xs-6">
        <div class="footer">
            <h3 class="footer-
title">Information</h3>
            <ul class="footer-links">
                <li><a href="#"><i class="fa-
solid fa-phone"></i> +381 63 1234 567</a></li>
                <li><a href="#"><i class="fa-
solid fa-envelope"></i> tehnotron@gmail.com</a></li>
                <li><a href="#"><i class="fa-
solid fa-location-dot"></i> Zdravka Celara 16, Belgrade</a></li>
            </ul>
        </div>
    </div>
</div>
</div>
</div>
<div id="bottom-footer" class="section">
    <div class="container">
        <div class="row">
            <div class="col-12 text-center">
                <ul class="footer-payments">
                    <li><a class="p-2 fs-4"
href="https://www.facebook.com"><i class="fa-brands fa-facebook-
f"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://twitter.com"><i class="fa-brands fa-
twitter"></i></a></li>

```



```

        <script src="https://code.jquery.com/jquery-3.6.4.min.js"
integrity="sha256-oP6HI9z1XaZNBrJURtCoUT5SUnxFr8s3BzRL+cbzUq8="
crossorigin="anonymous"></script>
        <!-- Swiper Slider -->
        <script src="https://cdn.jsdelivr.net/npm/swiper@9/swiper-
bundle.min.js"></script>
        <!-- Bootstrap -->
        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstra
p.bundle.min.js" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
        <!-- Font Awesome -->
        <script src="https://kit.fontawesome.com/270460494f.js"
crossorigin="anonymous"></script>
        <!-- Main -->
        <script src="assets/js/main.min.js"></script>

    </body>
</html>

```

### 3.1.4 checkout.html

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <!-- The above 3 meta tags *must* come first in the head;
any other head content must come *after* these tags -->
        <meta name="description" content="Ready to complete your
purchase? Head to TehnoTron's secure checkout page and rest
assured that your order will be processed quickly and securely.">
        <meta name="keywords" content="tehnotron, categories,
brands, manufacturers, sort, filter, store, technology">
        <title>TehnoTRON | Checkout</title>
        <link rel="shortcut icon" href="favicon.ico" />
        <!-- Google font -->

```

```

        <link
href="https://fonts.googleapis.com/css?family=Montserrat:400,500,7
00" rel="stylesheet"/>

        <!-- Bootstrap NEW -->
        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootst
rap.min.css" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

        <!-- Custom stylesheet -->
        <link type="text/css" rel="stylesheet"
href="assets/css/style.min.css"/>

        <!-- Swiper slider -->
        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/swiper@9/swiper-
bundle.min.css"/>
    </head>
    <body>
        <div id="loader">
            
        </div>
        <div class="sticky-md-top">
            <header>
                <div id="header">
                    <div class="container-lg py-2">
                        <div class="row align-items-center
justify-content-between">
                            <div class="col-md-3">
                                <div class="header-logo d-flex
justify-content-center mb-md-0 mb-2">
                                    <a href="index.html"
class="logo">
                                        
                                    </a>
                                </div>
                            </div>
                            <div class="col-md-5">
                                <div class="header-search"
id="header-search">

```



```

<div class="input-group">
  <input class="form-control
border-0" id="search" type="text" placeholder="Search...">
  <button class="btn btn-
primary search-btn" type="button"><i class="fa-solid fa-
magnifying-glass px-3"></i></button>
</div>
</div>
<div class="col-md-3">
  <div class="row header-ctn mt-md-2
mt-4 justify-content-center">
    <div class="col-4">
      <a href="#"
class="wishlist">
        <i class="fa-regular
fa-heart"></i>
        <span>Wishlist</span>
        <div class="qty d-
none" id="wishQty"></div>
      </a>
    </div>
    <div class="col-4">
      <a href="checkout.html"
id="cart">
        <i class="fa fa-
shopping-cart"></i>
        <span>Cart</span>
        <div class="qty d-
none" id="cartQty"></div>
      </a>
    </div>
    <div class="menu-toggle col-
4">
      <a href="#">
        <i class="fa fa-
bars"></i>
        <span>Menu</span>
      </a>
    </div>
    <div id="wishlist-tab"
class="position-fixed top-0 bottom-0 end-0">
      <div id="close-tab">

```

[illegible]

```

<input class="form-control
rounded-0 border-0 border-bottom" id="fname" type="text"
name="fname" placeholder="" />
<label
for="floatingInput">First Name</label>
<div class="invalid-
feedback">Please enter your first name. (ex. "John")</div>
</div>
<div class="form-floating mb-3">
<input class="form-control
rounded-0 border-0 border-bottom" id="lname" type="text"
name="lname" placeholder="" />
<label
for="floatingInput">Last Name</label>
<div class="invalid-
feedback">Please enter your last name. (ex. "Doe")</div>
</div>
<div class="form-floating mb-3">
<input class="form-control
rounded-0 border-0 border-bottom" id="email" type="email"
name="email" placeholder="" />
<label
for="floatingInput">Email</label>
<div class="invalid-
feedback">Please enter a valid email address. (ex.
"johndoe@gmail.com")</div>
</div>
<div class="form-floating mb-3">
<input class="form-control
rounded-0 border-0 border-bottom" id="address" type="text"
name="address" placeholder="" />
<label
for="floatingInput">Address</label>
<div class="invalid-
feedback">Please enter a valid address. (ex. "1734 Stonecoal
Road")</div>
</div>
<div class="form-floating mb-3">
<input class="form-control
rounded-0 border-0 border-bottom" id="phone" type="tel"
name="phone" placeholder="" />
<label
for="floatingInput">Phone number</label>

```

```

                                <div class="invalid-
feedback">Please enter a valid phone number. (ex. "+021-95-51-
84")</div>
                                </div>
                                <div class="form-floating mb-3">
                                    <textarea class="form-control
rounded-0 border-0 border-bottom" placeholder="Leave a comment
here" id="txtarea"></textarea>
                                    <label
for="txtarea">Comments</label>
                                </div>
                            </div>
                        </form>
                    </div>
                    <div class="col-lg-7 order-details">
                        <div class="section-title text-center">
                            <h3 class="title">Your Order</h3>
                        </div>
                        <div class="order-summary">
                            <div class="row mb-3 border-bottom d-
md-flex d-none">
                                <div class="col-2 text-center
border-end"><strong>PRODUCT</strong></div>
                                <div class="col-2 text-center
border-end"><strong>QUANTITY</strong></div>
                                <div class="col-5 text-center
border-end"><strong>NAME</strong></div>
                                <div class="col-3 text-
center"><strong>TOTAL</strong></div>
                            </div>
                            <div class="order-products" id="order-
products">

                                </div>
                                <div class="row mb-3 border-bottom">
                                    <div class="col-6">Shipping</div>
                                    <div class="col-6 text-
end"><strong>FREE</strong></div>
                                </div>
                                <div class="row mb-3">
                                    <div class="col-
6"><strong>TOTAL</strong></div>

```

```

                                <div class="col-6 text-
end"><strong id="order-total"></strong></div>
                                </div>
                                </div>
                                <div class="payment-method mb-3">
                                    <div class="mb-2"><strong>PAYMENT
METHOD</strong></div>
                                    <div class="input-radio ms-1">
                                        <input type="radio" name="payment"
id="payment-1">
                                        <label for="payment-1">
                                            <span class="top-50 start-0
translate-middle-y"></span>
                                            <i class="fa-brands fa-cc-
mastercard fs-1"></i>
                                            <i class="fa-brands fa-cc-visa
fs-1"></i>
                                            <i class="fa-solid fa-credit-
card fs-1"></i>
                                        </label>
                                    </div>
                                    <div class="input-radio ms-1">
                                        <input type="radio" name="payment"
id="payment-3">
                                        <label for="payment-3">
                                            <span class="top-50 start-0
translate-middle-y"></span><i class="fa-brands fa-cc-paypal fs-
1"></i>
                                        </label>
                                    </div>
                                </div>
                                <div class="invalid-feedback">You must
choose a payment method.</div>
                                <div class="input-checkbox">
                                    <input type="checkbox" id="terms">
                                    <label for="terms">
                                        <span></span>
                                        I've read and I accept the <a
href="#">terms & conditions</a>
                                    </label>
                                    <div class="invalid-feedback">You must
agree to the term before submitting.</div>
                                </div>

```

```

        <a href="#" class="primary-btn order-submit" id="form-submit">Place order</a>
    </div>
</div>
</div>
</div>

<footer id="footer">
    <div class="section">
        <div class="container">
            <div class="row text-md-start text-center">
                <div class="col-md-5 col-xs-6">
                    <div class="footer">
                        <h3 class="footer-title">About
Us</h3>

                        <p>At TehnoTron, we understand
that technology is constantly evolving, and we are dedicated to
staying ahead of the curve. That's why we work with the industry's
top brands and manufacturers to bring you the latest and greatest
in electronics.</p>

                    </div>
                </div>

                <div class="col-md-2 col-xs-6">
                    <div class="footer">
                        <h3 class="footer-
title">Categories</h3>

                        <ul class="footer-links"
id="footer-cats">

                            </ul>
                    </div>
                </div>

                <div class="col-md-2 col-xs-6">
                    <div class="footer">
                        <h3 class="footer-
title">Services</h3>

                        <ul class="footer-links">
                            <li><a
href="checkout.html">View Cart</a></li>

```

```

                                <li class="wishlist"><a
href="#">Wishlist</a></li>
                                <li><a
href="author.html">Author</a></li>
                                <li><a
href="documentation.pdf">Documentation</a></li>
                                </ul>
                            </div>
                        </div>

                        <div class="col-md-3 col-xs-6">
                            <div class="footer">
                                <h3 class="footer-
title">Information</h3>
                                <ul class="footer-links">
                                    <li><a href="#"><i class="fa-
solid fa-phone"></i> +381 63 1234 567</a></li>
                                    <li><a href="#"><i class="fa-
solid fa-envelope"></i> tehnotron@gmail.com</a></li>
                                    <li><a href="#"><i class="fa-
solid fa-location-dot"></i> Zdravka Celara 16, Belgrade</a></li>
                                </ul>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
        <div id="bottom-footer" class="section">
            <div class="container">
                <div class="row">
                    <div class="col-12 text-center">
                        <ul class="footer-payments">
                            <li><a class="p-2 fs-4"
href="https://www.facebook.com"><i class="fa-brands fa-facebook-
f"></i></a></li>
                            <li><a class="p-2 fs-4"
href="https://twitter.com"><i class="fa-brands fa-
twitter"></i></a></li>
                            <li><a class="p-2 fs-4"
href="https://www.instagram.com/"><i class="fa-brands fa-
instagram"></i></a></li>

```





```

        <script src="https://cdn.jsdelivr.net/npm/swiper@9/swiper-
bundle.min.js"></script>
        <!-- Bootstrap -->
        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstra
p.bundle.min.js" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
        <!-- Font Awesome -->
        <script src="https://kit.fontawesome.com/270460494f.js"
crossorigin="anonymous"></script>
        <!-- Main -->
        <script src="assets/js/main.min.js"></script>
    </body>
</html>

```

### 3.1.5 author.html

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <!-- The above 3 meta tags *must* come first in the head;
any other head content must come *after* these tags -->
        <meta name="description" content="Meet the talented
programmer behind TehnoTron's tech. Learn more about their
background and areas of expertise, and stay up-to-date with the
latest in tech news and trends.">
        <meta name="keywords" content="tehnotron, categories,
brands, manufacturers, sort, filter, store, technology">
        <title>TehnoTRON | Author</title>
        <link rel="shortcut icon" href="favicon.ico" />
        <!-- Google font -->
        <link
href="https://fonts.googleapis.com/css?family=Montserrat:400,500,7
00" rel="stylesheet"/>

        <!-- Bootstrap NEW -->

```

```

        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootst
rap.min.css" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpucOmLASjC"
crossorigin="anonymous">

        <!-- Custom stylesheet -->
        <link type="text/css" rel="stylesheet"
href="assets/css/style.min.css"/>

        <!-- Swiper slider -->
        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/swiper@9/swiper-
bundle.min.css"/>
    </head>
    <body>
        <div id="loader">
            
        </div>
        <div class="sticky-md-top">
            <header>
                <div id="header">
                    <div class="container-lg py-2">
                        <div class="row align-items-center
justify-content-between">
                            <div class="col-md-3">
                                <div class="header-logo d-flex
justify-content-center mb-md-0 mb-2">
                                    <a href="index.html"
class="logo">
                                        
                                    </a>
                                </div>
                            </div>
                            <div class="col-md-5">
                                <div class="header-search"
id="header-search">
                                    <div class="input-group">
                                        <input class="form-control
border-0" id="search" type="text" placeholder="Search...">

```

```

<button class="btn btn-
primary search-btn" type="button"><i class="fa-solid fa-
magnifying-glass px-3"></i></button>
</div>
</div>
</div>
<div class="col-md-3">
<div class="row header-ctn mt-md-2
mt-4 justify-content-center">
<div class="col-4">
<a href="#"
class="wishlist">
<i class="fa-regular
fa-heart"></i>
<span>Wishlist</span>
<div class="qty d-
none" id="wishQty"></div>
</a>
</div>
<div class="col-4">
<a href="checkout.html"
id="cart">
<i class="fa fa-
shopping-cart"></i>
<span>Cart</span>
<div class="qty d-
none" id="cartQty"></div>
</a>
</div>
<div class="menu-toggle col-
4">
<a href="#">
<i class="fa fa-
bars"></i>
<span>Menu</span>
</a>
</div>
<div id="wishlist-tab"
class="position-fixed top-0 bottom-0 end-0">
<div id="close-tab">
<i class="fa-solid fa-
xmark fs-3 mt-3 ms-2"></i>
</div>

```





```

        <div class="row text-md-start text-center">
            <div class="col-md-5 col-xs-6">
                <div class="footer">
                    <h3 class="footer-title">About
Us</h3>
                    <p>At TehnoTron, we understand
that technology is constantly evolving, and we are dedicated to
staying ahead of the curve. That's why we work with the industry's
top brands and manufacturers to bring you the latest and greatest
in electronics.</p>
                </div>
            </div>

            <div class="col-md-2 col-xs-6">
                <div class="footer">
                    <h3 class="footer-
title">Categories</h3>
                    <ul class="footer-links"
id="footer-cats">

                        </ul>
                </div>
            </div>

            <div class="col-md-2 col-xs-6">
                <div class="footer">
                    <h3 class="footer-
title">Services</h3>
                    <ul class="footer-links">
                        <li><a
href="checkout.html">View Cart</a></li>
                        <li class="wishlist"><a
href="#">Wishlist</a></li>
                        <li><a
href="author.html">Author</a></li>
                        <li><a
href="documentation.pdf">Documentation</a></li>
                    </ul>
                </div>
            </div>

            <div class="col-md-3 col-xs-6">

```

```

        <div class="footer">
            <h3 class="footer-
title">Information</h3>
            <ul class="footer-links">
                <li><a href="#"><i class="fa-
solid fa-phone"></i> +381 63 1234 567</a></li>
                <li><a href="#"><i class="fa-
solid fa-envelope"></i> tehnotron@gmail.com</a></li>
                <li><a href="#"><i class="fa-
solid fa-location-dot"></i> Zdravka Celara 16, Belgrade</a></li>
            </ul>
        </div>
    </div>
</div>
</div>
</div>
<div id="bottom-footer" class="section">
    <div class="container">
        <div class="row">
            <div class="col-12 text-center">
                <ul class="footer-payments">
                    <li><a class="p-2 fs-4"
href="https://www.facebook.com"><i class="fa-brands fa-facebook-
f"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://twitter.com"><i class="fa-brands fa-
twitter"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://www.instagram.com/"><i class="fa-brands fa-
instagram"></i></a></li>
                    <li><a class="p-2 fs-4"
href="https://www.linkedin.com/"><i class="fa-brands fa-linkedin-
in"></i></a></li>
                </ul>
                <ul class="footer-payments">
                    <li class="fs-5"><i class="fa-
brands fa-cc-visa"></i></li>
                    <li class="fs-5"><i class="fa-
solid fa-credit-card"></i></li>
                    <li class="fs-5"><i class="fa-
brands fa-cc-paypal"></i></li>
                    <li class="fs-5"><i class="fa-
brands fa-cc-mastercard"></i></li>

```





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

## 3.2 CSS

### 3.2.1 style.css

```
/*
Template Name: Electro - HTML Ecommerce Template
Author: yaminocco

Colors:
  Body      : #333
  Headers   : #2B2D42
  Primary   : #D10024
  Dark      : #15161D ##1E1F29
  Grey      : #E4E7ED #FBFBFC #8D99AE #B9BABC

Fonts: Montserrat

Table OF Contents
-----
1 > GENERAL
----- Typography
----- Buttons
----- Inputs
----- Sections
----- Breadcrumb
2 > HEADER
----- Top header
----- Logo
----- Search
----- Cart
3 > NAVIGATION
----- Main nav
----- Responsive Nav
4 > CATEGORY SHOP
5 > HOT DEAL
6 > PRODUCT
----- Product
----- Widget product
```

```

----- Product slick
7 > STORE PAGE
----- Aside
----- Store
8 > PRODUCT DETAILS PAGE
----- Product view
----- Product details
----- Product tab
9 > CHECKOUT PAGE
10 > NEWSLETTER
11 > FOOTER
11 > SLICK STYLE
12 > RESPONSIVE
-----*/

/*=====
  01 -> GENERAL
=====*/

/*-----*\
  Typography
\*-----*/

body {
  font-family: 'Montserrat', sans-serif;
  font-weight: 400;
  color: #333;
}

h1, h2, h3, h4, h5, h6 {
  color: #2B2D42;
  font-weight: 700;
  margin: 0 0 10px;
}

a {
  color: #2B2D42;
  font-weight: 500;
  -webkit-transition: 0.2s color;
  transition: 0.2s color;
  text-decoration: none;
}

```

```

a:hover, a:focus {
  color: #FFCB08;
  text-decoration: none;
  outline: none;
}

ul, ol {
  margin: 0;
  padding: 0;
  list-style: none
}

/*-----*\
  Buttons
\*-----*/

.primary-btn {
  display: inline-block;
  padding: 12px 30px;
  background-color: #FFCB08;
  border: none;
  border-radius: 40px;
  color: #FFF;
  text-transform: uppercase;
  font-weight: 700;
  text-align: center;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}

.primary-btn:hover, .primary-btn:focus {
  opacity: 0.9;
  color: #FFF;
}

/*-----*\
  Inputs
\*-----*/

/*-- Text input --*/

.input {
  height: 40px;

```

```

padding: 0px 15px;
border: 1px solid #E4E7ED;
background-color: #FFF;
width: 100%;
}

textarea.input {
padding: 15px;
min-height: 90px;
}

/*-- Number input --*/

.input-number {
position: relative;
}

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

.input-number input[type="number"] {
height: 40px;
width: 100%;
border: 1px solid #E4E7ED;
background-color: #FFF;
padding: 0px 35px 0px 15px;
}

.input-number .qty-up, .input-number .qty-down {
position: absolute;
display: block;
width: 20px;
height: 20px;
border: 1px solid #E4E7ED;
background-color: #FFF;
text-align: center;
font-weight: 700;
cursor: pointer;
-webkit-user-select: none;
-moz-user-select: none;

```

```

    -ms-user-select: none;
    user-select: none;
}

.input-number .qty-up {
    right: 0;
    top: 0;
    border-bottom: 0px;
}

.input-number .qty-down {
    right: 0;
    bottom: 0;
}

.input-number .qty-up:hover, .input-number .qty-down:hover {
    background-color: #E4E7ED;
    color: #FFCB08;
}

/*-- Select input --*/

.input-select {
    padding: 0px 15px;
    background: #FFF;
    border: 1px solid #E4E7ED;
    height: 40px;
}

/*-- checkbox & radio input --*/

.input-radio, .input-checkbox {
    position: relative;
    display: block;
}

.input-radio input[type="radio"]:not(:checked), .input-radio
input[type="radio"]:checked, .input-checkbox
input[type="checkbox"]:not(:checked), .input-checkbox
input[type="checkbox"]:checked {
    position: absolute;
    margin-left: -9999px;
    visibility: hidden;
}

```

```

}

.input-radio label, .input-checkbox label {
  font-weight: 500;
  min-height: 20px;
  padding-left: 20px;
  margin-bottom: 5px;
  cursor: pointer;
}

.input-radio input[type="radio"]+label span, .input-checkbox
input[type="checkbox"]+label span {
  position: absolute;
  left: 0px;
  top: 4px;
  width: 14px;
  height: 14px;
  border: 2px solid #E4E7ED;
  background: #FFF;
}

.input-radio input[type="radio"]+label span {
  border-radius: 50%;
}

.input-radio input[type="radio"]+label span:after {
  content: "";
  position: absolute;
  left: 50%;
  top: 50%;
  -webkit-transform: translate(-50%, -50%) scale(0);
  -ms-transform: translate(-50%, -50%) scale(0);
  transform: translate(-50%, -50%) scale(0);
  background-color: #FFF;
  width: 4px;
  height: 4px;
  border-radius: 50%;
  opacity: 0;
  -webkit-transition: all 0.2s;
  transition: all 0.2s;
}

.input-checkbox input[type="checkbox"]+label span:after {

```

```

    content: '✓';
    position: absolute;
    top: -2px;
    left: 1px;
    font-size: 10px;
    color: #FFF;
    opacity: 0;
    -webkit-transform: scale(0);
    -ms-transform: scale(0);
    transform: scale(0);
    -webkit-transition: all 0.2s;
    transition: all 0.2s;
}

.input-radio input[type="radio"]:checked+label span, .input-
checkbox input[type="checkbox"]:checked+label span {
    background-color: #FFCB08;
    border-color: #FFCB08;
}

.input-radio input[type="radio"]:checked+label span:after {
    opacity: 1;
    -webkit-transform: translate(-50%, -50%) scale(1);
    -ms-transform: translate(-50%, -50%) scale(1);
    transform: translate(-50%, -50%) scale(1);
}

.input-checkbox input[type="checkbox"]:checked+label span:after {
    opacity: 1;
    -webkit-transform: scale(1);
    -ms-transform: scale(1);
    transform: scale(1);
}

.input-radio .caption, .input-checkbox .caption {
    margin-top: 5px;
    max-height: 0;
    overflow: hidden;
    -webkit-transition: 0.3s max-height;
    transition: 0.3s max-height;
}

```

```

.input-radio input[type="radio"]:checked~.caption, .input-checkbox
input[type="checkbox"]:checked~.caption {
    max-height: 800px;
}

/*-----*\
  Section
\*-----*/

.section {
    padding-top: 30px;
    padding-bottom: 30px;
}

.section-title {
    position: relative;
    margin-bottom: 30px;
    margin-top: 15px;
}

.section-title .title {
    display: inline-block;
    text-transform: uppercase;
    margin: 0px;
}

.section-title .section-nav {
    float: right;
}

.section-title .section-nav .section-tab-nav {
    display: inline-block;
}

.section-tab-nav li {
    display: inline-block;
    margin-right: 15px;
}

.section-tab-nav li:last-child {
    margin-right: 0px;
}

```



```

.section-tab-nav li a {
  font-weight: 700;
  color: #8D99AE;
}

.section-tab-nav li a:after {
  content: "";
  display: block;
  width: 0%;
  height: 2px;
  background-color: #FFCB08;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}

.section-tab-nav li.active a {
  color: #FFCB08;
}

.section-tab-nav li a:hover:after, .section-tab-nav li
a:focus:after, .section-tab-nav li.active a:after {
  width: 100%;
}

.section-title .section-nav .products-slick-nav {
  top: 0px;
  right: 0px;
}

/*-----*
  Breadcrumb
  *-----*/

/*=====
  02 -> HEADER
  =====*/

/*-----*
  Top header
  *-----*/

#top-header {
  background-color: #1E1F29;

```

```

}

.header-links {
  flex-direction: row;
}

.header-links li a {
  color: #FFF;
}

.header-links li a:hover {
  color: #FFCB08;
}

.header-links li i {
  color: #FFCB08;
}

/*-----*\
  Logo
\*-----*/

#header {
  background-color: #FFCB08;
}

.header-logo .logo img {
  display: block;
  width: 100%;
  max-width: 300px;
}

/*-----*\
  Search
\*-----*/

.header-search {
  position: relative;
}

.header-search .form-control {
  border-radius: 40px 0px 0px 40px
}

```

```
.header-search .search-btn {  
  background: #15161D;  
  color: #FFF;  
  border: none;  
  border-radius: 0px 40px 40px 0px;  
}
```

```
/*-----*\  
  Cart  
  \*-----*/
```

```
.header-ctn>div>a {  
  position: relative;  
  display: block;  
  text-align: center;  
  color: #15161D;  
  width: 80px;  
}
```

```
.header-ctn>div>a>i {  
  display: block;  
  font-size: 18px;  
}
```

```
.header-ctn>div>a>span {  
  font-size: 12px;  
}
```

```
.header-ctn .menu-toggle {  
  display: none;  
}
```

```
.header-ctn>div>a>.qty {  
  position: absolute;  
  right: 15px;  
  top: -10px;  
  width: 20px;  
  height: 20px;  
  line-height: 20px;  
  text-align: center;  
  border-radius: 50%;
```

```

    font-size: 10px;
    color: #FFF;
    background-color: #D10024;
}

/*=====
  03 -> Navigation
=====*/

#navigation {
  background: #FFF;
  border-bottom: 2px solid #E4E7ED;
  border-top: 3px solid #15161D;
}

/*-----*\
  Main nav
\*-----*/
.main-nav>li>a:hover, .main-nav>li>a:focus, .main-nav>li.active>a
{
  color: #FFCB08;
  background-color: transparent;
}

.main-nav>li>a:after {
  content: "";
  display: block;
  width: 0%;
  height: 2px;
  background-color: #FFCB08;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}

.main-nav>li>a:hover:after, .main-nav>li>a:focus:after, .main-
nav>li.active>a:after {
  width: 100%;
}

.header-ctn li.nav-toggle {
  display: none;
}

```

```

/*-----*\
    responsive nav
\*-----*/

@media only screen and (max-width: 767px) {
    .header-ctn .menu-toggle {
        display: block;
    }
    #responsive-nav {
        position: fixed;
        left: 0;
        top: 0;
        background: #15161D;
        height: 100vh;
        max-width: 250px;
        width: 0%;
        overflow: hidden;
        z-index: 22;
        padding-top: 60px;
        -webkit-transform: translateX(-100%);
        -ms-transform: translateX(-100%);
        transform: translateX(-100%);
        -webkit-transition: 0.2s all;
        transition: 0.5s all;
    }
    #responsive-nav.active {
        -webkit-transform: translateX(0%);
        -ms-transform: translateX(0%);
        transform: translateX(0%);
        width: 100%;
    }
    #responsive-nav.active>ul {
        flex-direction: column;
    }
    .main-nav {
        margin: 0px;
        float: none;
    }
    .main-nav>li {
        display: block;
        float: none;
    }
    .main-nav>li+li {

```

```

    margin-left: 0px;
}
.main-nav>li>a {
    padding: 15px;
    color: #FFF;
}
}

/*=====
04 -> CATEGORY SHOP
=====*/

.shop {
    position: relative;
    overflow: hidden;
    box-shadow: 0 4px 20px rgba(0, 0, 0, 0.2);
}

.shop:before {
    content: "";
    position: absolute;
    top: 0;
    bottom: 0;
    left: 0px;
    width: 50%;
    -webkit-transform: skewX(-45deg);
    -ms-transform: skewX(-45deg);
    transform: skewX(-45deg);
    background: rgba(0, 0, 0, 0.2);
    box-shadow: 0 4px 30px rgba(255, 255, 255, 0.5);
    backdrop-filter: blur(4px);
    border: 1px solid rgba(255, 255, 255, 0.3);
}

.shop:after {
    content: "";
    position: absolute;
    top: 0;
    bottom: 0;
    left: 1px;
    width: 100%;
    background: #FFCB08;
    opacity: 0.9;
}

```

```

    -webkit-transform: skewX(-45deg) translateX(-100%);
    -ms-transform: skewX(-45deg) translateX(-100%);
    transform: skewX(-45deg) translateX(-100%);
}

.shop .shop-img {
    position: relative;
    z-index: -1;
}

.shop .shop-img>img {
    width: 100%;
    -webkit-transition: 0.2s all;
    transition: 0.2s all;
}

.shop:hover .shop-img>img {
    -webkit-transform: scale(1.1);
    -ms-transform: scale(1.1);
    transform: scale(1.1);
}

.shop .shop-body {
    position: absolute;
    top: 0;
    width: 75%;
    padding: 30px;
    z-index: 10;
}

.shop .shop-body h3 {
    color: #FFF;
}

.shop .shop-body .cta-btn {
    color: #FFF;
    text-transform: uppercase;
}

/*=====
05 -> HOT DEAL
=====*/

```

```

#hot-deal.section {
  height: 500px;
  padding-top: 100px;
  background-image: url('../img/hot-deal-blur.png');
  background-position: center;
  background-repeat: no-repeat;
  background-size: cover;
}

/*=====
  06 -> PRODUCT
=====*/

/*-----*\
  product
\*-----*/

.product {
  -webkit-box-shadow: 0px 0px 0px 0px #E4E7ED, 0px 0px 0px 1px
#E4E7ED;
  box-shadow: 0px 0px 0px 0px #E4E7ED, 0px 0px 0px 1px #E4E7ED;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}

.product:hover {
  -webkit-box-shadow: 0px 0px 6px 0px #E4E7ED, 0px 0px 0px 2px
#FFCB08;
  box-shadow: 0px 0px 6px 0px #E4E7ED, 0px 0px 0px 2px #FFCB08;
}

.product .product-img {
  position: relative;
}

.product .product-img>img {
  width: 100%;
}

.product .product-label {
  position: absolute;
  top: 15px;
}

```



```
    right: 15px;
}

.product .product-label>span {
  border: 2px solid;
  padding: 2px 10px;
}

.product .product-label>span.sale {
  background-color: #FFF;
  border-color: #ef233c;
  color: #ef233c;
}

.product .product-label>span.new {
  background-color: #FFCB08;
  border-color: #FFCB08;
  color: #FFF;
}

.product .product-body {
  position: relative;
  padding: 15px;
  background-color: #FFF;
  text-align: center;
  z-index: 20;
}

.product .product-body .product-category {
  text-transform: uppercase;
  font-size: 12px;
  color: #8D99AE;
}

.product .product-body .product-name {
  text-transform: uppercase;
  font-size: 16px;
}

.product .product-body .product-name>a {
  font-weight: 700;
}
```

```

.product .product-body .product-name>a:hover, .product .product-
body .product-name>a:focus {
  color: #FFCB08;
}

.product .product-body .product-price {
  color: #FFCB08;
}

.product .product-body .product-price .product-old-price {
  font-size: 70%;
  font-weight: 400;
  color: #8D99AE;
}

.product .product-body .product-rating {
  position: relative;
}

.product .product-body .product-rating>i {
  position: relative;
  background: #FFF;
  color: #E4E7ED;
  z-index: 10;
  padding: 1px;
}

.product .product-body .product-rating>i.fa-star {
  color: #ef233c;
}

.product .product-body .product-rating:after {
  content: "";
  position: absolute;
  top: 50%;
  left: 0;
  right: 0;
  -webkit-transform: translateY(-50%);
  -ms-transform: translateY(-50%);
  transform: translateY(-50%);
  height: 1px;
  background-color: #E4E7ED;
}

```

```

.product-btns>button {
  position: relative;
  width: 40px;
  height: 40px;
  line-height: 40px;
  background: transparent;
  border: none;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}

.product-btns>button:hover {
  background-color: #E4E7ED;
  color: #FFCB08;
  border-radius: 50%;
}

.product-btns>button .tooltipp {
  position: absolute;
  bottom: 100%;
  left: 50%;
  -webkit-transform: translate(-50%, -15px);
  -ms-transform: translate(-50%, -15px);
  transform: translate(-50%, -15px);
  width: 150px;
  padding: 10px;
  font-size: 12px;
  line-height: 10px;
  background: #1e1f29;
  color: #FFF;
  text-transform: uppercase;
  z-index: 10;
  opacity: 0;
  visibility: hidden;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}

.product-btns>button:hover .tooltipp {
  opacity: 1;
  visibility: visible;
  -webkit-transform: translate(-50%, -5px);

```

```

    -ms-transform: translate(-50%, -5px);
    transform: translate(-50%, -5px);
}

.product .add-to-cart {
    position: absolute;
    left: 0;
    right: 0;
    bottom: 0;
    padding: 15px;
    background: rgba(0, 0, 0, 0.2);
    box-shadow: 0 4px 30px rgba(255, 255, 255, 0.5);
    backdrop-filter: blur(4px);
    border: 1px solid rgba(255, 255, 255, 0.3);
    text-align: center;
    -webkit-transform: translateY(100%);
    -ms-transform: translateY(100%);
    transform: translateY(100%);
    -webkit-transition: 0.2s all;
    transition: 0.2s all;
    z-index: 2;
}

.product:hover .add-to-cart {
    -webkit-transform: translateY(0%);
    -ms-transform: translateY(0%);
    transform: translateY(0%);
}

.product .add-to-cart-btn {
    position: relative;
    border: 2px solid transparent;
    height: 40px;
    padding: 0 30px;
    background-color: #ef233c;
    color: #FFF;
    text-transform: uppercase;
    font-weight: 700;
    border-radius: 40px;
    -webkit-transition: 0.2s all;
    transition: 0.2s all;
}

```

```

.product .add-to-cart-btn>i {
  position: absolute;
  left: 0;
  top: 0;
  width: 40px;
  height: 40px;
  line-height: 38px;
  color: #ef233c;
  opacity: 0;
  visibility: hidden;
}

.product .add-to-cart-btn:hover {
  background-color: #FFF;
  color: #ef233c;
  border-color: #ef233c;
  padding: 0px 30px 0px 50px;
}

.product .add-to-cart-btn:hover>i {
  opacity: 1;
  visibility: visible;
}

/*-----*\
  Widget product
\*-----*/

.product-widget {
  position: relative;
}

.product-widget .product-img>img {
  width: 100%;
}

.product-widget .product-body .product-name {
  text-transform: uppercase;
}

.product-widget .product-body .product-name>a {
  font-weight: 700;
}

```

```

.product-widget .product-body .product-name>a:hover, .product-
widget .product-body .product-name>a:focus {
  color: #FFCB08;
}

.product-widget .product-body .product-price {
  font-size: 14px;
  color: #FFCB08;
}

.product-widget .product-body .product-price .product-old-price {
  font-size: 70%;
  font-weight: 400;
  color: #8D99AE;
}

.product-widget .product-body .product-price .qty {
  font-weight: 400;
}

.product-widget .delete {
  position: absolute;
  top: 15px;
  left: 15px;
  width: 20px;
  color: #FFF;
}

/*-----*\
  Products slick
\*-----*/

.products-slick .slick-list {
  padding-bottom: 60px;
  margin-bottom: -60px;
  z-index: 2;
}

.products-slick .product.slick-slide {
  margin: 15px;
}

```

```

.products-tabs>.tab-pane {
  display: block;
  height: 0;
  opacity: 0;
  visibility: hidden;
  overflow-y: hidden;
  padding-bottom: 60px;
  margin-bottom: -60px;
}

.products-tabs>.tab-pane.active {
  opacity: 1;
  visibility: visible;
  height: auto;
}

.products-slick-nav {
  position: absolute;
  right: 15px;
  z-index: 10;
}

.products-slick-nav .slick-prev, .products-slick-nav .slick-next {
  position: static;
  -webkit-transform: none;
  -ms-transform: none;
  transform: none;
  width: 20px;
  height: 20px;
  display: inline-block !important;
  margin: 0px 2px;
}

.products-slick-nav .slick-prev:before, .products-slick-nav
.slick-next:before {
  font-size: 14px;
}

/*=====
  07 -> PRODUCTS PAGE
=====*/

/*-----* \

```

```

    Aside
    \*-----*/

    .aside+.aside {
        margin-top: 30px;
    }

    .aside>.aside-title {
        text-transform: uppercase;
        font-size: 18px;
        margin: 15px 0px 30px;
    }

    /*-- checkbox Filter --*/
    .checkbox-filter .input-radio label small, .checkbox-filter
    .input-checkbox label small {
        color: #8D99AE;
    }

    /*-- Price Filter --*/

    /*-----*\
    Store
    \*-----*/

    .store-filter {
        margin-bottom: 15px;
        margin-top: 15px;
    }

    /*-- Store Sort --*/

    .store-sort {
        display: inline-block;
    }

    .store-sort label {
        font-weight: 500;
        font-size: 12px;
        text-transform: uppercase;
        margin-right: 15px;
    }

```



```

}

/*-- Store Grid --*/

.store-grid li {
  display: inline-block;
  width: 40px;
  height: 40px;
  line-height: 40px;
  background-color: #FFF;
  border: 1px solid #E4E7ED;
  text-align: center;
  transition: 0.2s all;
}

.store-grid li:hover {
  background-color: #E4E7ED;
  color: #15161D;
}

.store-grid li.active {
  background-color: #FFCB08;
  border-color: #FFCB08;
  cursor: default;
}

.store-grid li a {
  display: block;
  color: #15161D;
}

/*-- Store Pagination --*/

.store-pagination li {
  transition: 0.2s all;
}

.store-pagination li:hover {
  background-color: #E4E7ED ;
  color: #FFCB08;
}

.store-pagination li.active {
  background-color: #FFCB08;

```

```

border-color: #FFCB08;
color: #FFF;
font-weight: 500;
cursor: default;
}

.store-pagination li a {
display: block;
}

.store-qty {
margin-right: 30px;
font-weight: 500;
text-transform: uppercase;
font-size: 12px;
}

/*=====
08 -> PRODUCT DETAILS PAGE
=====*/

/*-----*\
Product view
\*-----*/

#product-main-img .slick-prev {
-webkit-transform: translateX(-15px);
-ms-transform: translateX(-15px);
transform: translateX(-15px);
left: 15px;
}

#product-main-img .slick-next {
-webkit-transform: translateX(15px);
-ms-transform: translateX(15px);
transform: translateX(15px);
right: 15px;
}

#product-main-img .slick-prev, #product-main-img .slick-next {
opacity: 0;
visibility: hidden;
-webkit-transition: 0.2s all;

```

```

    transition: 0.2s all;
}

#product-main-img:hover .slick-prev, #product-main-img:hover
.slick-next {
    -webkit-transform: translateX(0%);
    -ms-transform: translateX(0%);
    transform: translateX(0%);
    opacity: 1;
    visibility: visible;
}

#product-main-img .zoomImg {
    background-color: #FFF;
}

#product-imgs .product-preview {
    border: 1px solid #E4E7ED;
}

.product-preview img {
    width: 100%;
}

/*-----*\
    Product details
\*-----*/

.product-details .product-name {
    text-transform: uppercase;
    font-size: 18px;
}

.product-details .product-rating {
    display: inline-block;
    margin-right: 15px;
}

.product-details .product-rating>i {
    color: #E4E7ED;
}

.product-details .product-rating>i.fa-star {

```

```

    color: #ef233c;
}

.product-details .review-link {
    font-size: 12px;
}

.product-details .product-price {
    display: inline-block;
    font-size: 24px;
    margin-top: 10px;
    margin-bottom: 15px;
    color: #FFCB08;
}

.product-details .product-price .product-old-price {
    font-size: 70%;
    font-weight: 400;
    color: #8D99AE;
}

.product-details .product-available {
    text-transform: uppercase;
    font-weight: 700;
    margin-left: 30px;
    color: #ef233c;
}

.product-details label {
    font-weight: 500;
    font-size: 12px;
    text-transform: uppercase;
    margin-right: 15px;
    margin-bottom: 0px;
}

.product-details .product-options .input-select {
    width: 90px;
}

.product-details .add-to-cart .add-to-cart-btn {
    position: relative;
    border: 2px solid transparent;

```

```

height: 40px;
padding: 0 30px;
background-color: #ef233c;
color: #FFF;
text-transform: uppercase;
font-weight: 700;
-webkit-transition: 0.2s all;
transition: 0.2s all;
}

.product-details .add-to-cart .add-to-cart-btn>i {
position: absolute;
left: 0;
top: 0;
width: 40px;
height: 40px;
line-height: 38px;
color: #ef233c;
opacity: 0;
visibility: hidden;
}

.product-details .add-to-cart .add-to-cart-btn:hover {
background-color: #FFF;
color: #ef233c;
border-color: #ef233c;
padding: 0px 30px 0px 50px;
}

.product-details .add-to-cart .add-to-cart-btn:hover>i {
opacity: 1;
visibility: visible;
}

.product-details .add-to-cart .qty-label {
display: inline-block;
font-weight: 500;
font-size: 12px;
text-transform: uppercase;
margin-right: 15px;
margin-bottom: 0px;
}

```

```

.product-details .add-to-cart .qty-label .input-number {
  width: 90px;
  display: inline-block;
}

.product-details .product-btns li {
  display: inline-block;
  text-transform: uppercase;
  font-size: 12px;
}

.product-details .product-btns li+li {
  margin-left: 15px;
}

.product-details .product-links {
  margin-top: 15px;
}

.product-details .product-links li {
  display: inline-block;
  text-transform: uppercase;
  font-size: 12px;
}

.product-details .product-links li+li {
  margin-left: 10px;
}

/*-----*\
  Product tab
  \*-----*/

#product-tab {
  margin-top: 60px;
}

#product-tab .tab-nav {
  position: relative;
  text-align: center;
  padding: 15px 0px;
  margin-bottom: 30px;
}

```

```
#product-tab .tab-nav:after {
  content: "";
  position: absolute;
  left: 0;
  right: 0;
  top: 50%;
  height: 1px;
  background-color: #E4E7ED;
  z-index: -1;
}

#product-tab .tab-nav li {
  display: inline-block;
  background: #FFF;
  padding: 0px 10px;
  cursor: pointer;
}

#product-tab .tab-nav li+li {
  margin-left: 15px;
}

#product-tab .tab-nav li a {
  display: block;
  font-weight: 700;
  color: #8D99AE;
}

#product-tab .tab-nav li a.active {
  color: #FFCB08;
}

#product-tab .tab-nav li a:after {
  content: "";
  display: block;
  width: 0%;
  height: 2px;
  background-color: #FFCB08;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}
```

```

#product-tab .tab-nav li a:hover:after, #product-tab .tab-nav li
a:focus:after, #product-tab .tab-nav li a.active:after {
    width: 100%;
}
/*-- Rating --*/

.rating-avg {
    font-size: 24px;
    font-weight: 700;
    margin-bottom: 15px;
}

.rating-avg .rating-stars {
    margin-left: 10px;
}

.rating-avg .rating-stars, .rating .rating-stars {
    display: inline-block;
}

.rating-avg .rating-stars>i, .rating .rating-stars>i {
    color: #E4E7ED;
}

.rating-avg .rating-stars>i.fa-star, .rating .rating-stars>i.fa-
star {
    color: #FFCB08;
}

.rating li {
    margin: 5px 0px;
}

.rating .rating-progress {
    position: relative;
    display: inline-block;
    height: 9px;
    background-color: #E4E7ED;
    width: 120px;
    margin: 0px 10px;
    border-radius: 5px;
}

```



```

.rating .rating-progress>div {
  background-color: #FFCB08;
  position: absolute;
  left: 0;
  top: 0;
  bottom: 0;
  border-radius: 5px;
}

.rating .sum {
  display: inline-block;
  font-size: 12px;
  color: #8D99AE;
}

/*-- Reviews --*/

.reviews li {
  position: relative;
  padding-left: 145px;
  margin-bottom: 30px;
}

.reviews .review-heading {
  position: absolute;
  width: 130px;
  left: 0;
  top: 0;
  height: 70px;
}

.reviews .review-body {
  min-height: 70px;
}

.reviews .review-heading .name {
  margin-bottom: 5px;
  margin-top: 0px;
}

.reviews .review-heading .date {
  color: #8D99AE;
  font-size: 10px;
}

```

```

    margin: 0;
}

.reviews .review-heading .review-rating {
    margin-top: 5px;
}

.reviews .review-heading .review-rating>i {
    color: #E4E7ED;
}

.reviews .review-heading .review-rating>i.fa-star {
    color: #FFCB08;
}

.reviews-pagination {
    text-align: center;
}

.reviews-pagination li {
    display: inline-block;
    width: 35px;
    height: 35px;
    line-height: 35px;
    text-align: center;
    background-color: #FFF;
    border: 1px solid #E4E7ED;
    -webkit-transition: 0.2s all;
    transition: 0.2s all;
}

.reviews-pagination li:hover {
    background-color: #E4E7ED;
    color: #FFCB08;
}

.reviews-pagination li.active {
    background-color: #FFCB08;
    border-color: #FFCB08;
    color: #FFF;
    cursor: default;
}

```

```

.reviews-pagination li a {
  display: block;
}

/*-- Review Form --*/

.review-form .input {
  margin-bottom: 15px;
}

.review-form .input-rating {
  margin-bottom: 15px;
}

.review-form .input-rating .stars {
  display: inline-block;
  vertical-align: top;
}

.review-form .input-rating .stars input[type="radio"] {
  display: none;
}

.review-form .input-rating .stars>label {
  float: right;
  cursor: pointer;
  padding: 0px 3px;
  margin: 0px;
}

.review-form .input-rating .stars>label:before {
  content: "\f006";
  font-family: FontAwesome;
  color: #E4E7ED;
  -webkit-transition: 0.2s all;
  transition: 0.2s all;
}

.review-form .input-rating .stars>label:hover:before, .review-form
.input-rating .stars>label:hover~label:before {
  color: #FFCB08;
}

```

```

.review-form .input-rating .stars>input:checked label:before,
.review-form .input-rating .stars>input:checked~label:before {
  content: "\f005";
  color: #FFCB08;
}

/*=====
09 -> CHECKOUT PAGE
=====*/

.billing-details {
  margin-bottom: 30px;
}

.shiping-details {
  margin-bottom: 30px;
}

.order-details {
  position: relative;
  padding: 0px 30px 30px;
  border-right: 1px solid #E4E7ED;
  border-left: 1px solid #E4E7ED;
  border-bottom: 1px solid #E4E7ED;
}

.order-details:before {
  content: "";
  position: absolute;
  left: -1px;
  right: -1px;
  top: -15px;
  height: 30px;
  border-top: 1px solid #E4E7ED;
  border-left: 1px solid #E4E7ED;
  border-right: 1px solid #E4E7ED;
}

.order-summary {
  margin: 15px 0px;
}

.order-summary #order-total {

```

```

    font-size: 24px;
    color: #FFCB08;
}

.order-details .order-submit {
    display: block;
    margin-top: 30px;
}

/*=====
10 -> NEWSLETTER
=====*/

/*=====
11 -> FOOTER
=====*/

#footer {
    background: #15161D;
    color: #B9BABC;
}

#bottom-footer {
    background: #1E1F29;
}

.footer {
    margin: 30px 0px;
}

.footer .footer-title {
    color: #FFF;
    text-transform: uppercase;
    font-size: 18px;
    margin: 0px 0px 30px;
}

.footer-links li a {
    color: #B9BABC;
}

.footer-links li i {

```

```

    color: #FFCB08;
    width: 14px;
    text-align: center;
}

.footer-links li a:hover {
    color: #FFCB08;
}

.copyright {
    display: block;
    font-size: 12px;
}

.copyright a {
    color: #FFCB08;
}

.footer-payments li {
    display: inline-block;
}

.footer-payments li a {
    color: #B9BABC;
    font-size: 36px;
    display: block;
}

/*=====
   12 -> SLICK STYLE
=====*/

/*-----*|
   Arrows
   \*-----*/

/*-----*|
   Dots
   \*-----*/

```

```

/*=====
13 -> RESPONSIVE
=====*/

@media only screen and (max-width: 1401px) {
  #wishlist-tab.active {
    width: 40% !important;
  }
}

@media only screen and (max-width: 991px) {

  #product-imgs {
    margin-bottom: 60px;
    margin-top: 15px;
  }
  #rating {
    text-align: center;
  }
  #reviews {
    margin-top: 30px;
    margin-bottom: 30px;
  }
}

@media only screen and (max-width: 767px) {
  #top-header {
    display: none;
  }
  .section-title .section-nav {
    float: none;
    margin-top: 10px;
  }
  .section-tab-nav li {
    margin-top: 10px;
  }

  #wishlist-tab.active {
    width: 60% !important;
  }
  #days, #hours, #minutes, #seconds {
    font-size: 45px !important;
    width: auto !important;
  }
}

```

```

}

#product-content {
  position: relative;
}

#product-imgs {
  position: absolute;
  top: -3rem;
  left: 0;
  display: flex;
}

#product-imgs .product-preview {
  margin-right: 0.5rem;
  margin-left: 0.5rem;
}
}

@media only screen and (max-width: 480px) {
  [class*='col-xs'] {
    width: 100%;
  }
  .store-pagination {
    float: none;
    margin-top: 10px;
  }

  #wishlist-tab.active {
    width: 80% !important;
  }

  #countdown span {
    padding: 0;
  }
}

/*****

#loader {
  background: #ffffff;
  position: fixed;
  top: 0;

```



```

    left: 0;
    bottom: 0;
    right: 0;
    z-index: 9999;
}

#loader img {
    width: 400px;
    height: 300px;
    position: fixed;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
}

#countdown span {
    display: block;
    font-size: 50px;
    color: #000;
}

#days, #hours, #minutes, #seconds {
    font-size: 60px;
    color: #fff;
    background: #000;
    box-shadow: 0 4px 30px rgba(0, 0, 0, 0.7);
}

.swiper-button-prev, .swiper-button-next {
    color: #ef233c !important;
}

.product-details select, .product-details input {
    width: 5rem;
}

.add-to-cart input {
    border-radius: 20px 0 0 20px;
    height: 40px;
}

.add-to-cart-btn {
    border-radius: 0 20px 20px 0;
}

```

```
#cart-preview {
  position: absolute;
  right: 0;
  top: 0;
  background: #15161D;
  height: 100vh;
  max-width: 500px;
  width: 0%;
  z-index: 22;
  transform: translateX(100%);
  transition: 0.2s all;
}
#cart-preview.active {
  transform: translateX(0%);
  width: 100%;
}

input, textarea {
  outline: none !important;
  box-shadow: none !important;
}

textarea {
  resize: none;
  height: 10rem !important;
}

.form-floating input:focus, textarea:focus {
  border-bottom: 2px solid !important;
}

.is-invalid {
  border-bottom: 2px solid red !important;
}

.order-img {
  width: 1rem;
}

.order-summary input {
  width: 3rem;
}
```

```
#disabled-form {
  color: #ef233c;
}

.trash {
  color: #ef233c;
  cursor: pointer;
}

#rPrice::-moz-range-thumb {
  background-color: #FFCB08;
  height: 1.5rem;
  width: .5rem;
}

#rPrice:focus::-moz-range-thumb {
  box-shadow: none !important;
}

#rPrice::-moz-range-track {
  background-color: #ffffff;
  border: 2px solid rgba(0, 0, 0, 0.1);
  height: .1rem;
}

#wishlist-tab {
  z-index: 99;
  background-color: #1E1F29;
  overflow-y: scroll;
  width: 0%;
  -webkit-transform: translateX(100%);
  -ms-transform: translateX(100%);
  transform: translateX(100%);
  -webkit-transition: 1s all;
  transition: 0.5s all;
}

#wishlist-tab.active {
  -webkit-transform: translateX(0%);
  -ms-transform: translateX(0%);
  transform: translateX(0%);
  width: 30%;
}
```

```

}

#wishlist-tab #empty {
  color: #ffffff;
}

#wishlist-tab .title {
  color: #ffffff;
}

#wishlist-tab #close-tab {
  color: #ffffff;
}

#wishlist-tab #close-tab i {
  cursor: pointer;
  color: #FFCB08;
}

#wishlist-tab .product {
  box-shadow: none;
}

#wishlist-tab .row {
  background: #ffffff;
}

#wishlist-tab img {
  max-width: 150px;
}

#my-pic {
  box-shadow: 0 4px 30px rgba(0, 0, 0, 0.5);
}

@keyframes smooth-appear {
  to {
    opacity: 1;
  }
}

.product, #no-products {
  animation: smooth-appear 0.4s forwards;
}

```

```

        opacity: 0;
    }

    #success-icon {
        color: green;
    }

    #product-imgs {
        width: 60%;
    }

    #product-imgs {
        width: 60%;
    }

    #product-imgs .product-preview {
        box-shadow: 0 4px 20px rgba(0, 0, 0, 0.4);
        cursor: pointer;
        background: #ffffff;
    }

```

## 3.3 JAVASCRIPT

### 3.3.1 main.js

```

$(document).ready(function() {
    // #region AJAX LS REQUESTS
    ajaxCallBack("nav.json");
    ajaxCallBack("products.json");
    ajaxCallBack("categories.json");
    ajaxCallBack("brands.json");
    ajaxCallBack("sort.json");
    ajaxCallBack("reviews.json");
    // #endregion

    setTimeout(function() {
        $("#loader").hide();
        var nav = getLS("nav");
        var products = getLS("products");
        var categories = getLS("categories");
        var brands = getLS("brands");
        var sort = getLS("sort");
    }, 1000);

```

```

    // #region DYNAMIC NAV
    let navHTML = "";

    for (const link of nav) {
        navHTML += `
            <li class="nav-item px-3">
                <a aria-current="page"
href="${link.link}">${link.name}</a>
            </li>
        `;
    }
    $("#responsive-nav>.main-nav").html(navHTML);

    $(".menu-toggle > a").on("click", function (e) {
        e.preventDefault();
        $("#responsive-nav").toggleClass("active");
    })
    // #endregion

    // #region URL
    if (location.pathname == "/tehnotron/index.html" ||
location.pathname == "/tehnotron/") {
        // if (location.pathname == "/index.html") {
            $("#responsive-nav ul li:nth-
child(1)").addClass("active");
        }
        // #region HOME - COLLECTIONS
        let categoryHTML = "";

        for (const category of categories) {
            categoryHTML += `
                <div class="col-md-3 p-md-0 p-4">
                    <div class="shop">
                        <a
href="store.html?cat=${category.id}">
                            <div class="shop-img">
                                
                            </div>
                            <div class="shop-body">
                                <h3>${category.name}<br>Co
llection</h3>
                            </div>

```

```

        </a>
      </div>
    </div>
  `;
}
$("#collections").html(categoryHTML);
//#endregion

//#region HOME - NEW PRODUCTS SECTION DYNAMIC
var newProducts = products.filter(element =>
element.is_new == true);

$("#new-products .swiper .swiper-
wrapper").html(getProducts(newProducts, "product swiper-slide"));
//#endregion

//#region HOME - SALE COUNTER
setInterval(function() { makeTimer(); }, 1000);
//#endregion
}

else if (location.pathname == "/tehnotron/store.html")
{
  // else if (location.pathname == "/store.html") {
    $("#responsive-nav ul li:nth-
child(2)").addClass("active");
    //#region STORE - PRODUCTS
    $("#store>#store-
products").html(getProducts(products, "product col-lg-4 col-sm-6
my-3"));
    //#endregion

    //#region STORE - SORT
    let htmlSort = "";
    htmlSort = `<option
value="0">Recommended</option>`;
    for (const type of sort) {
      htmlSort += `<option
value="${type.value}">${type.name}</option>`;
    }
    $("#ddlSort").html(htmlSort);

    $("#ddlSort").on("change", productsFilterAndSort);
  }
}

```

```

        // #endregion

        // #region STORE - CATEGORIES
        let rbCatHTML = "";
        rbCatHTML += `
            <div class="input-radio form-check">
                <input class="form-check-input"
type="radio" id="rb0" name="rbCat" value="0" checked>
                <label class="form-check-label" for="rb0">
                    <span></span>
                    All
                    <small>(<${products.length}</small>
                </label>
            </div>
        `;
        for (const category of categories) {
            rbCatHTML += `
                <div class="input-radio form-check">
                    <input class="form-check-input"
type="radio" id="rb${category.id}" name="rbCat"
value="${category.id}">
                    <label class="form-check-label"
for="rb${category.id}">
                        <span></span>
                        ${category.name}
                        <small>(<${getNum(products,
category.id, "category")}</small>
                    </label>
                </div>
            `;
        }
        $("#rbListCategory").html(rbCatHTML);

        $(`#rbListCategory
input[type="radio"]`).on("change", productsFilterAndSort);
        // #endregion

        // #region STORE - BRANDS
        let chbBrandHTML = "";
        for (const brand of brands) {
            chbBrandHTML += `
                <div class="input-checkbox form-check">

```



```

        <input class="form-check-input"
type="checkbox" id="chb${brand.id}" value="${brand.id}">
        <label for="chb${brand.id}">
            <span></span>
            ${brand.name}
            <small>(${getNum(products, brand.id,
"brand")})</small>
        </label>
    </div>
    `;
}
$("#chbListBrands").html(chbBrandHTML);

$(`#chbListBrands
input[type="checkbox"]`).on("change", productsFilterAndSort);
//#endregion

//#region STORE - PRICE
$("#range-value").html($("#rPrice").val() + " €");
$("#rPrice").on("input", function() {
    $("#range-value").html($(this).val() + " €");
    productsFilterAndSort();
});
//#endregion

//#region STORE - VIEWS
$("#store-grid-cells").on("click", function() {
    $(this).addClass("active");
    $("#store-grid-list").removeClass("active");
    productsFilterAndSort();
});
$("#store-grid-list").on("click", function() {
    $(this).addClass("active");
    $("#store-grid-cells").removeClass("active");
    productsFilterAndSort();
});
//#endregion

const params = new
URLSearchParams(window.location.search);
const cat = params.get("cat");
if (cat != null) {
    var radio = $("#rbListCategory input")[cat];

```

```

        radio.checked = true;
        var filteredProducts = products.filter(element
=> element.category_id == cat);
        $("#store>#store-
products").html(getProducts(filteredProducts, "product col-lg-4
col-sm-6 my-3"));
    }

    else if (location.pathname ==
"/tehnotron/product.html") {
        // else if (location.pathname == "/product.html") {
        getProductPage(products);

        // #region PRODUCT - IMG CHANGE
        $("#product-imgs img").on("click", function() {
            let smallSrc = $(this).attr("src");
            smallSrc = smallSrc.slice(0, -5) +
smallSrc.slice(-4);
            console.log(smallSrc)
            $("#product-main-img .product-preview
img").attr("src", smallSrc);
        });
        // #endregion
    }

    else if (location.pathname ==
"/tehnotron/checkout.html") {
        // else if (location.pathname == "/checkout.html") {
        getOrderItems(products);

        // #region CHECKOUT - ORDER QTY
        $(document).on("change", ".order-qty", function()
{
            let num = $(this);
            console.log($(this).data("id"))
            console.log(num.val())

            for (const item of cartItems) {
                if (num.data("id") == item.id) {
                    item.quantity = parseInt(num.val());
                    break;
                }
            }
        });
    }

```

```

        }
        setLS("cart", cartItems);
        // addToCart();
        getOrderItems(products);
    });
    // #endregion

    // #region CHECKOUT - FORM VALIDATION
    var formSubmit = document.querySelector("#form-
submit");
    if (formSubmit) {
        formSubmit.addEventListener("click",
formValidation);
    }
    // #endregion

    // #region CHECKOUT - TRASH
    var cartItems = getLS("cart");
    $(document).on("click", ".trash", function(e) {
        e.preventDefault();
        cartItems.splice(cartItems.findIndex(element
=> element.id == $(this).data("id")), 1);
        setLS("cart", cartItems);
        getCartNum();
        getOrderItems(products);
    });
    // #endregion
}

else if (location.pathname ==
"/tehnotron/author.html") {
    // else if (location.pathname == "/author.html") {
    $("#responsive-nav ul li:nth-
child(6)").addClass("active");
    }
    // #endregion

    // #region CART
    $(document).on("click", ".add-to-cart-btn", addToCart);
    getCartNum();
    // #endregion

    // #region WISHLIST

```

```

$(".wishlist").on("click", function() {
    $("#wishlist-tab").show();
    $("#wishlist-tab").addClass("active");
});
// $(document).mouseup(function(e){
//     if(!$("#wishlist-tab").is(e.target) &&
$("#wishlist-tab").has(e.target).length === 0){
//         $("#wishlist-tab").hide();
//     }
// });

var wishlist = [];
$(document).on("click", ".add-to-wishlist",
addToWishlist);
getWishNum();

wishlist = getLS("wishlist");
$("#wishlist-tab-
content").html(getWishlistProducts(wishlist));

$("#close-tab").on("click", function() {
    $("#wishlist-tab").removeClass("active");
});
//#endregion

//#region SEARCH
$("#header-search button").on("click", function() {
    setLS("search-temp", $("#search").val());
    if (location.pathname != "/tehnotron/store.html") {
        window.location.pathname =
"/tehnotron/store.html";
    }
    else {
        productsFilterAndSort();
    }
});
$('#search').keypress(function(event){
    var keycode = (event.keyCode ? event.keyCode :
event.which);

    if(keycode == "13"){
        setLS("search-temp", $("#search").val());
    }
});

```

```

        if (location.pathname != "/tehnotron/store.html")
    {
        window.location.pathname =
"/tehnotron/store.html";
    }
    }
    else {
        productsFilterAndSort();
    }

});
$("#search").val(getLS("search-temp"));
productsFilterAndSort();
localStorage.removeItem("search-temp");
//#endregion

//#region INPUT NUMBER DISABLE
$("#[type='number']").on("keydown",function (e) {
    let windowSize = $(window).width()
    if (windowSize > 767) {
        e.preventDefault();
    }
});
//#endregion

//#region FOOTER CATEGORIES
let footerCats = "";
for (const cat of categories) {
    footerCats += `<li><a
href="store.html?cat=${cat.id}">${cat.name}</a></li>`;
}
$("#footer-cats").html(footerCats);
//#endregion
}, 1500);
});

var swiper = new Swiper('.swiper', {
    slidesPerView: 1,
    autoplay: {
        delay: 3000,
        disableOnInteraction: false,
        pauseOnMouseEnter: true,
    },
},

```

```

navigation: {
  nextEl: '.swiper-button-next',
  prevEl: '.swiper-button-prev',
},
breakpoints: {
  576: {
    slidesPerView: 2,
    spaceBetween: 30
  },
  768: {
    slidesPerView: 3,
    spaceBetween: 40
  },
  992: {
    slidesPerView: 4,
    spaceBetween: 40
  }
}
});

function ajaxCallBack(file, result){
  $.ajax({
    url: "assets/data/" + file,
    method: "get",
    dataType: "json",
    success: result,
    error: function(jqXHR, exception){
      var msg = "";
      if (jqXHR.status === 0) {
        msg = "Not connected. Verify network.";
      }
      else if (jqXHR.status == 404) {
        msg = "Requested page not found [404]";
      }
      else if (jqXHR.status == 500) {
        msg = "Internal Server Error [500]";
      }
      else if (exception === "parseerror") {
        msg = "Requested JSON parse failed.";
      }
      else if (exception === "timeout") {
        msg = "Requested page not found [404]";
      }
    }
  });
}

```

```

    }
    else if (exception === "abort") {
        msg = "AJAX request aborted.";
    }
    else {
        msg = "Uncaught Error." + jqXHR.responseText;
    }
    return msg;
}
});
}

function setLS(name, value){
    localStorage.setItem(name, JSON.stringify(value));
}

function getLS(name){
    return JSON.parse(localStorage.getItem(name));
}

function getCategory(id) {
    var categories = getLS("categories");
    for (const category of categories) {
        if (category.id === id) {
            return category.name;
        }
    }
}

function getProducts(array, div) {
    let productsHTML = "";

    if (array.length === 0) {
        return productsHTML = `

<i class="fa-regular fa-circle-xmark fs-1"></i><p class="fs-3 my-5">Currently we don't have products that match your request.</p></div>`;
    }

    if ($("#store-grid-list").hasClass("active")) {
        for (const product of array) {
            productsHTML += `
                <div class="${div}">


```

```

        <div class="row align-items-center">
            <div class="product-img col-4">
                <a
href="product.html?id=${product.id}"></a>
            </div>
            <div class="product-body col-8">
                <p class="product-
category">${getCategory(product.category_id)}</p>
                <h3 class="product-name"><a
href="product.html?id=${product.id}">${product.name}</a></h3>
                <p>${product.description.short.substri
ng(0, 200) + "..."}</p>
                <h3 class="product-
price">${getPrice(product.price.current_price, "current")}
${getPrice(product.price.old_price, "old")}</h3>
                <div class="my-2">
                    <button class="add-to-cart-btn"
data-id="${product.id}"><i class="fa fa-shopping-cart"></i> add to
cart</button>
                </div>
                <div class="product-rating fs-5">
                    ${getRating(product.rating)}
                </div>
                <div class="product-btns fs-5">
                    ${getIfWish(product.id)}
                </div>
                <div class="product-label me-4">
                    ${getDiscount(product.discount)}
                    ${getNew(product.is_new)}
                </div>
            </div>
        </div>
    </div>
    `;
}
}
else {
    for (const product of array) {
        productsHTML += `
            <div class="${div}">
                <div class="product-img">

```



```

        <a
href="product.html?id=${product.id}"></a>

        <div class="add-to-cart">
            <button class="add-to-cart-btn" data-
id="${product.id}"><i class="fa fa-shopping-cart"></i> add to
cart</button>

        </div>
        <div class="product-label">
            ${getDiscount(product.discount)}
            ${getNew(product.is_new)}
        </div>
    </div>
    <div class="product-body">
        <p class="product-
category">${getCategory(product.category_id)}</p>
        <h3 class="product-name"><a
href="product.html?id=${product.id}">${product.name}</a></h3>
        <h5 class="product-
price">${getPrice(product.price.current_price, "current")}
${getPrice(product.price.old_price, "old")}</h5>
        <div class="product-rating">
            ${getRating(product.rating)}
        </div>
        <div class="product-btns">
            ${getIfWish(product.id)}
        </div>
    </div>
</div>
    `;
    }
}
return productsHTML;
}

function getPrice(price, type) {
    if (type == "current") {
        price = price.toLocaleString("de-DE", {style: 'currency',
currency: 'EUR', minimumFractionDigits: 2, maximumFractionDigits:
2});
        return price;
    }
}

```

```

        else if (type == "old") {
            if (price == null) {
                return "";
            }
            price = price.toLocaleString("de-DE", {style: 'currency',
currency: 'EUR', minimumFractionDigits: 2, maximumFractionDigits:
2});
            return `-${tagDiscount}%</span>`;
}

function getNew(tagNew) {
    if (tagNew) {
        return `NEW</span>`;
    }
    return "";
}

function getRating(rating) {
    let ratings = "";
    for (let i = 0; i < rating; i++) {
        ratings += `</i>`;
    }
    if (rating < 5) {
        for (let i = 0; i < 5 - rating; i++) {
            ratings += `</i>`;
        }
    }
    return ratings;
}

function makeTimer() {
    var endTime = new Date("2023-03-31");
    endTime = (Date.parse(endTime) / 1000);

    var now = new Date();

```

```

    now = (Date.parse(now) / 1000);

    var timeLeft = endTime - now;

    var days = Math.floor(timeLeft / 86400);
    var hours = Math.floor((timeLeft - (days * 86400)) / 3600);
    var minutes = Math.floor((timeLeft - (days * 86400) - (hours *
3600 )) / 60);
    var seconds = Math.floor((timeLeft - (days * 86400) - (hours *
3600) - (minutes * 60)));

    if (hours < "10") { hours = "0" + hours; }
    if (minutes < "10") { minutes = "0" + minutes; }
    if (seconds < "10") { seconds = "0" + seconds; }

    $("#days").html(days);
    $("#hours").html(hours);
    $("#minutes").html(minutes);
    $("#seconds").html(seconds);
}

function getNum(array, num, type) {
    type += "_id";
    var newArray = array.filter(element => element[type] == num);
    return newArray.length;
}

function getProductPage(products) {
    const params = new URLSearchParams(window.location.search);
    const id = params.get("id");
    const product = products.find(element => element.id == id);
    productContentHTML = `
        <div class="col-md-2">
            <div id="product-imgs">
                ${getThumbnails(product.images)}
            </div>
        </div>
        <div class="col-md-5">
            <div id="product-main-img">
                <div class="product-preview">
                    
                </div>
            </div>
        </div>
    `;
}

```

```

        </div>
    </div>
    <div class="col-md-5">
        <div class="product-details">
            <h2 class="product-name">${product.name}</h2>
            <div>
                <div class="product-rating">
                    ${getRating(product.rating)}
                </div>
                <a class="review-link" href="#product-
tab">${product.review_ids.length} Review(s)</a>
            </div>
            <div>
                <h3 class="product-
price">${getPrice(product.price.current_price, "current")}
${getPrice(product.price.old_price, "old")}</h3>
                <span class="product-available">In
Stock</span>
            </div>
            <p>${product.description.short}</p>

            <div class="add-to-cart d-flex align-items-end my-
4">
                <div class="form-group">
                    <label for="quantity" class="form-label
mb-2">Quantity</label>
                    <input type="number" class="form-control"
id="quantity" value="1" min="1" max="10" />
                </div>
                <div class="form-group">
                    <button class="add-to-cart-btn btn btn-
primary" data-id="${product.id}"><i class="fa fa-shopping-
cart"></i> add to cart</button>
                </div>
                <div class="product-btns ms-5 fs-3">
                    ${getIfWish(product.id)}
                </div>
            </div>

            <ul class="product-links mt-4">
                <li>Category:</li>

```

```

        <li><a
href="store.html?cat=${product.category_id}">${getCategory(product
.category_id)}</a></li>
    </ul>
</div>
</div>
<div class="col-md-12">
    <div id="product-tab">
        <ul class="tab-nav nav nav-tabs justify-content-
center" role="tablist">
            <li class="nav-item active"
role="presentation"><a class="active" data-bs-toggle="tab" data-
bs-target="#tab1">Specifications</a></li>
            <li role="presentation"><a data-bs-
toggle="tab" data-bs-target="#tab2">Details</a></li>
            <li role="presentation"><a data-bs-
toggle="tab" data-bs-target="#tab3">Reviews (3)</a></li>
        </ul>
        <div class="tab-content">
            <div id="tab1" class="tab-pane fade show
active" role="tabpanel">
                <div class="row justify-content-center">
                    <h3 class="title text-uppercase text-
center text-decoration-underline mb-3">Specifications</h3>
                    ${getSpecs(product.specifications)}
                </div>
            </div>
            <div id="tab2" class="tab-pane fade"
role="tabpanel">
                <div class="row justify-content-center">
                    <div class="col-md-8">
                        <h3 class="title text-uppercase text-
center text-decoration-underline mb-3">Details</h3>
                        ${product.description.long}
                    </div>
                </div>
            </div>
            <div id="tab3" class="tab-pane fade"
role="tabpanel">
                <div class="row justify-content-center
align-items-center">
                    <div class="col-md-8">
                        <div id="reviews">

```

```

        <h3 class="title text-uppercase
text-center text-decoration-underline mb-3">Reviews</h3>
        ${getReview(product.review_ids
)}}
    </div>
</div>
</div>
</div>
</div>
    `;
    $("#product-content>.row").html(productContentHTML);
}

function getThumbnails(images) {
    let thumbHTML = "";
    for (const image of images) {
        thumbHTML += `
            <div class="product-preview my-2">
                
            </div>
        `;
    }
    return thumbHTML;
}

function getSpecs(specs) {
    let specsHTML = `<div class="col-md-8"><table class="table
table-striped table-hover"><tbody>`;
    for (const spec of specs) {
        specsHTML += `
            <tr>
                <td class="text-capitalize p-3">${spec.name}</td>
                <td class="p-3">${spec.value}</td>
            </tr>
        `;
    }
    specsHTML += `</tbody></table></div>`;
    return specsHTML;
}

function getReview(reviewArray) {
    let reviewHTML = `<ul class="reviews">`;
    var reviews = getLS("reviews");

```

```

    for (const ra of reviewArray) {
        var r = reviews.find(element => element.id == ra);
        reviewHTML += `
            <li>
                <div class="review-heading">
                    <h6 class="name">${r.name}</h6>
                    <p class="date">${new
Date(r.date).toDateString()}</p>
                    <div class="review-rating">
                        ${getRating(r.rating)}
                    </div>
                </div>
                <div class="review-body">
                    <p>${r.review_text}</p>
                </div>
            </li>
        `;
    }
    reviewHTML += `</ul>`;
    return reviewHTML;
}

function productsFilter(array, type) {
    let filteredProducts = [];
    let value;
    switch (type) {
        case "category":
            value = $('#rbListCategory
input[type="radio"]:checked').val();
            if (value == "0") {
                return array;
            }

            filteredProducts = array.filter(element =>
element.category_id == value);
            return filteredProducts;
            // break;

        case "brand":
            let checkedBrands = $('#chbListBrands
input[type="checkbox"]:checked').map(function() {
                return $(this).val();
            });

```

```

        if (checkedBrands.length == 0) {
            return array;
        }
        array.filter(element => {
            for (const check of checkedBrands) {
                if (element.brand_id == check) {
                    filteredProducts.push(element);
                }
            }
        });
        return filteredProducts;
        // break;

    case "search":
        value = $("#search").val();
        if (value == "") {
            return array;
        }
        filteredProducts = array.filter(element =>
element.name.toLowerCase().includes(value.toLowerCase()));
        return filteredProducts;
        // break;

    case "price":
        value = $("#rPrice").val();
        if (value == "3000") {
            return array;
        }
        filteredProducts = array.filter(element =>
element.price.current_price <= value);
        return filteredProducts;
        // break;

    default:
        return array;
        // break;
    }
}

function productsSort(array) {
    let sortValue = $("#ddlSort").val();
    switch (sortValue) {
        case "price-asc":

```



```

        array.sort((a, b) => a.price.current_price -
b.price.current_price);
        break;

        case "price-desc":
            array.sort((a, b) => b.price.current_price -
a.price.current_price);
            break;

        case "a-z":
            array.sort((a, b) => a.name.localeCompare(b.name));
            break;

        case "z-a":
            array.sort((a, b) => b.name.localeCompare(a.name));
            break;

        default:
            break;
    }
    return array;
}

function productsFilterAndSort() {
    let updatedProducts = getLS("products");
    updatedProducts = productsFilter(updatedProducts, "search");
    updatedProducts = productsFilter(updatedProducts, "category");
    updatedProducts = productsFilter(updatedProducts, "brand");
    updatedProducts = productsFilter(updatedProducts, "price");
    updatedProducts = productsSort(updatedProducts);

    if ($("#store-grid-list").hasClass("active")) {
        $("#store>#store-
products").html(getProducts(updatedProducts, "product col-12 my-
3"));
    }
    else {
        $("#store>#store-
products").html(getProducts(updatedProducts, "product col-lg-4
col-sm-6 my-3"));
    }
}

```

```

function addToCart() {
    let id = $(this).data("id");

    cartItems = getLS("cart");

    if (location.pathname == "/tehnotron/product.html") {
        let qtyValue = parseInt($("#quantity").val());
        if (cartItems == null) {
            cartItems =
                [
                    {
                        "id": id,
                        "quantity": qtyValue
                    }
                ];
        }
        else if (cartItems.some(element => element.id == id)) {
            for (const product of cartItems) {
                if (product.id == id) {
                    product.quantity += 1;
                }
            }
        }
        else {
            cartItems.push({
                "id": id,
                "quantity": qtyValue
            })
        }
    }
    else {
        if (cartItems == null) {
            cartItems =
                [
                    {
                        "id": id,
                        "quantity": 1
                    }
                ];
        }
        else if (cartItems.some(element => element.id == id)) {
            for (const product of cartItems) {
                if (product.id == id) {

```

```

        product.quantity += 1;
    }
}
}
else {
    cartItems.push({
        "id": id,
        "quantity": 1
    })
}
}

setLS("cart", cartItems);
getCartNum();
}

function getCartNum() {
    var cartItems = getLS("cart");

    if (cartItems == null || cartItems.length == 0) {
        $("#cartQty").addClass("d-none");
    }
    else {
        $("#cartQty").html(cartItems.length);
        $("#cartQty").removeClass("d-none");
    }
}

function getOrderItems(products) {
    var cartItems = getLS("cart");
    let orderItems = [];
    let orderHTML = "";

    if (cartItems == null || cartItems.length == 0) {
        $(".order-details").html(`
            <div class="d-flex flex-column h-100 justify-content-
between py-5">
                <div class="section-title text-center">
                    <div class="text-center py-5">
                        <i class="fa-regular fa-circle-xmark fs-
1"></i>
                    </div>
                <h3 class="title">your cart is empty.</h3>

```

```

        </div>
        <a href="store.html" class="primary-btn order-
submit" id="go-back">go back to store</a>
    </div>
    `);
    $("#form-checkout input, #form-checkout
textarea").prop("disabled", true);
    $("#disabled-form").removeClass("d-none");
}
else {
    for (const item of cartItems) {
        for (const product of products) {
            if (item.id == product.id) {
                orderItems.push(product);
                continue;
            }
        }
    }

    let total = 0;
    for (let i=0; i<orderItems.length; i++) {
        orderHTML += `
            <div class="row align-items-center border-bottom
position-relative mb-2">
                <div class="col-md-2 text-center">
                    
                </div>
                <div class="col-2 text-center">
                    <input type="number" class="order-qty"
value="${cartItems[i].quantity}" data-id="${orderItems[i].id}"
min="1" max="10" />
                </div>
                <div class="col-md-5 col-10"><a
href="/tehnotron/product.html?id=${orderItems[i].id}">${orderItems
[i].name}</a></div>
                <div class="col-md-3 text-
end">${cartItems[i].quantity} x
${orderItems[i].price.current_price} €</div>
                <a class="position-absolute top-0 end-0 w-auto
trash" data-id="${orderItems[i].id}"><i class="fa-solid fa-trash-
can"></i></a>

```

```

        </div>
        `;

        total += cartItems[i].quantity *
orderItems[i].price.current_price;
    }
    const formatter = new Intl.NumberFormat('en-US',
{minimumFractionDigits: 2, maximumFractionDigits: 2,});
    $("#order-total").html(formatter.format(total) + " €");
    }
    $("#order-products").html(orderHTML);
}

function addToWishlist() {
    var products = getLS("products");
    let id = $(this).data("id");

    var wishItems = getLS("wishlist");
    if (wishItems == null) {
        wishItems = [];
        wishItems.push(products.find(element => element.id ==
id));
    }
    else if (wishItems.some(element => element.id == id)) {
        wishItems.splice(wishItems.findIndex(element => element.id
== $(this).data("id")), 1);
    }
    else {
        wishItems.push(products.find(element => element.id ==
id));
    }

    $(this).toggleClass("active");
    if ($(this).hasClass("active")) {
        $(this).html(`<i class="fa-solid fa-heart"></i>`);
    } else {
        $(this).html(`<i class="fa-regular fa-heart"></i>`);
    }

    setLS("wishlist", wishItems);
    $("#wishlist-tab-
content").html(getWishlistProducts(wishItems));

```

```

    getWishNum();
}

function getWishNum() {
    var wishlist = getLS("wishlist");

    if (wishlist == null || wishlist.length == 0) {
        $("#wishQty").addClass("d-none");
    }
    else {
        $("#wishQty").html(wishlist.length);
        $("#wishQty").removeClass("d-none");
    }
}

function getWishlistProducts(array) {
    let productsHTML = "";

    if (array == null || array.length == 0) {
        return productsHTML = `<div class="text-center border-top
border-bottom py-5 text-uppercase" id="empty"><i class="fa-regular
fa-circle-xmark fs-1"></i><p class="fs-3 my-5">your wishlist is
empty.</p></div>`;
    }
    for (const product of array) {
        productsHTML += `
        <div class="product col-12">
            <div class="row align-items-center border-bottom
m-3">
                <div class="product-img col-lg-4 p-0 d-flex
justify-content-center">
                    
                </div>
                <div class="product-body col-lg-8">
                    <h3 class="product-name fs-5"><a
href="product.html?id=${product.id}">${product.name}</a></h3>
                    <h3 class="product-price fs-
4">${getPrice(product.price.current_price, "current")}
${getPrice(product.price.old_price, "old")}</h3>
                    <div class="my-2">

```

```

        <button class="add-to-cart-btn" data-
id="${product.id}"><i class="fa fa-shopping-cart"></i> add to
cart</button>

        </div>
        <div class="product-btns fs-5">
            <button class="add-to-wishlist" data-
id="${product.id}"><i class="fa-solid fa-heart-circle-
xmark"></i></button>

        </div>
    </div>
</div>
</div>
    `;
}
return productsHTML;
}

function getIfWish(id) {
    var wishItems = getLS("wishlist");
    if (wishItems == null) {
        return `<button class="add-to-wishlist" data-id="${id}"><i
class="fa-regular fa-heart"></i></button>`;
    }

    if (wishItems.find(element => element.id == id)) {
        return `<button class="add-to-wishlist active" data-
id="${id}"><i class="fa-solid fa-heart"></i></button>`;
    }
    else {
        return `<button class="add-to-wishlist" data-id="${id}"><i
class="fa-regular fa-heart"></i></button>`;
    }
}

var errors;
function formValidation() {
    errors = 0;

    let formFirstName, formLastName, formEmail, formAddress,
formPhone, formTerms;

    formFirstName = document.querySelector("#fname");

```

```

formLastName = document.querySelector("#lname");
formEmail = document.querySelector("#email");
formAddress = document.querySelector("#address");
formPhone = document.querySelector("#phone");
formTerms = document.querySelector("#terms");
formPayments = document.getElementsByName("payment");

let regExName, regExEmail, regExAddress, regExPhone;

regExName = /^[A-ZČĆŠĐŽ][a-zčćđšž]{2,14}$/;
regExEmail = /^[a-z0-9+_.-]+@[a-z0-9.-]+\.[a-z]{2,3}$/;
regExAddress = /^(([A-ZŠĐČĆŽ][a-zšđžčć]{1,15}(\.)?)|([1-9][0-9]{0,2}(\.)?))[a-zA-Z0-9\s\/\-\-]+$/;
regExPhone = /^+?\d{1,4}?[-.\s]? \d{1,3}?[-.\s]? \d{1,4}[-.\s]? \d{1,4}[-.\s]? \d{1,9}$/;

regExValidation(formFirstName, regExName);
regExValidation(formLastName, regExName);
regExValidation(formEmail, regExEmail);
regExValidation(formAddress, regExAddress);
regExValidation(formPhone, regExPhone);

if(!formTerms.checked) {
    formTerms.classList.add("is-invalid");
    errors++;
}
else {
    formTerms.classList.remove("is-invalid");
}

let paymentChecked = false;
for (const payment of formPayments) {
    if (payment.checked) {
        paymentChecked = true;
        break;
    }
}

if (!paymentChecked) {
    $(".payment-method").addClass("is-invalid");
}

if(errors==0) {

```



```

        $(".order-details").html(`
        <div class="d-flex flex-column h-100 justify-content-
between py-5">
            <div class="section-title text-center">
                <div class="text-center py-5">
                    <i class="fa-regular fa-circle-check fs-1"
id="success-icon"></i>
                </div>
                <h3 class="title">order has been successfully
sent.</h3>
            </div>
            <a href="store.html" class="primary-btn order-submit"
id="go-back">go back to store</a>
        </div>
        `);
        localStorage.removeItem("cart");
        getCartNum();
        document.getElementById("form-checkout").reset();
    }
}

function regExValidation(formPart, regEx) {
    if(!regEx.test(formPart.value)) {
        formPart.classList.add("is-invalid");
        errors++;
    }
    else{
        formPart.classList.remove("is-invalid");
    }
}
}

```

## 3.4 JSON

### 3.4.1 nav.json

```
[
  {
    "id": 1,
    "name": "Home",
    "link": "index.html"
  },
  {
    "id": 2,
    "name": "Store",
    "link": "store.html"
  },
  {
    "id": 3,
    "name": "Laptops",
    "link": "store.html?cat=1"
  },
  {
    "id": 4,
    "name": "Smartphones",
    "link": "store.html?cat=2"
  },
  {
    "id": 5,
    "name": "Accessories",
    "link": "store.html?cat=3"
  },
  {
    "id": 6,
    "name": "Author",
    "link": "author.html"
  },
  {
    "id": 7,
    "name": "Documentation",
    "link": "documentation.pdf"
  }
]
```

### 3.4.2 categories.json

```
[
  {
    "id": 1,
    "name": "Laptop"
  },
  {
    "id": 2,
    "name": "Smartphone"
  },
  {
    "id": 3,
    "name": "Accessories"
  }
]
```

### 3.4.3 brands.json

```
[
  {
    "id": 1,
    "name": "Lenovo"
  },
  {
    "id": 2,
    "name": "Apple"
  },
  {
    "id": 4,
    "name": "Asus"
  },
  {
    "id": 5,
    "name": "Samsung"
  },
  {
    "id": 6,
    "name": "Razer"
  },
  {
    "id": 7,
    "name": "Acer"
  }
]
```

```

        "id": 8,
        "name": "JBL"
    },
    {
        "id": 9,
        "name": "HP"
    },
    {
        "id": 10,
        "name": "Xiaomi"
    }
]

```

#### 3.4.4 products.json

```

[
  {
    "id": 1,
    "name": "Lenovo Idea Pad Gaming 3",
    "category_id": 1,
    "brand_id": 1,
    "price": {
      "old_price": 847.46,
      "current_price": 677.96
    },
    "images": [
      {
        "big": "assets/img/lenovoidea3.jpg",
        "small": "assets/img/lenovoidea3s.jpg"
      },
      {
        "big": "assets/img/lenovoidea3.1.jpg",
        "small": "assets/img/lenovoidea3.1s.jpg"
      }
    ],
    "description": {
      "short": "The Lenovo IdeaPad Gaming 3 is a budget-friendly gaming laptop designed for casual gamers. It features a 15.6-inch Full HD IPS display, 10th Gen Intel Core i5 processor, NVIDIA GeForce GTX 1650 graphics, 8GB DDR4 RAM, and a 256GB SSD. It has a backlit keyboard, a 720p webcam, and Harman Kardon speakers.",

```

```
    "long": "<p>The Lenovo IdeaPad Gaming 3 is a budget gaming laptop that offers solid performance and features at an affordable price. It is powered by an AMD Ryzen 5 5600H processor and Nvidia GeForce GTX 1650 graphics, which can handle most modern games at medium to high settings. The laptop also has a 15.6-inch Full HD IPS display with a 120Hz refresh rate, which provides a smooth and responsive gaming experience. </p><p>Other features include 8GB of DDR4 RAM, a 256GB NVMe SSD, and a backlit keyboard with decent key travel and response. The laptop also has a good selection of ports, including USB Type-C, HDMI, and Ethernet. The build quality is solid, and the design is subtle enough to be used in a professional setting. </p><p>The IdeaPad Gaming 3 also comes with Lenovo Vantage, a software that allows you to customize the laptop's performance, network settings, and lighting effects. Additionally, it has dual speakers with Dolby Audio for an immersive sound experience, and a 720p HD webcam for video calls.</p><p>Overall, the Lenovo IdeaPad Gaming 3 is a great option for gamers on a budget who want a capable and reliable laptop for gaming and everyday use.</p>"
```

```
  },
  "specifications": [
    {
      "name": "processor",
      "value": "AMD Ryzen 5 4600H"
    },
    {
      "name": "memory",
      "value": "8 GB DDR4 - 3200 MHz"
    },
    {
      "name": "storage",
      "value": "512 GB SSD"
    },
    {
      "name": "display",
      "value": "15,6\" Anti-glare"
    },
    {
      "name": "graphics",
      "value": "nVidia GeForce GTX 1650"
    },
    {
      "name": "installedOS",
```

```

        "value": "Linux"
    }
],
"rating": 4,
"review_ids": [7, 6, 2],
"discount": 20,
"is_new": false,
"in_stock": true
},
{
    "id": 2,
    "name": "iPhone 14 Pro Max",
    "category_id": 2,
    "brand_id": 2,
    "price": {
        "old_price": 1846.60,
        "current_price": 1659.13
    },
    "images": [
        {
            "big": "assets/img/iphone14.1.jpg",
            "small": "assets/img/iphone14.1s.jpg"
        },
        {
            "big": "assets/img/iphone14.2.jpg",
            "small": "assets/img/iphone14.2s.jpg"
        }
    ],
    "description": {
        "short": "The iPhone 14 Pro Max is the latest high-end smartphone from Apple. It features a 6.7-inch Super Retina XDR display, A16 Bionic chip, 5G connectivity, and up to 1TB of storage. It has a triple-camera system with 12MP ultra-wide, wide, and telephoto lenses, as well as a LiDAR scanner. It also has Face ID, Apple Pay, and runs on iOS 16.",
        "long": "<p>The iPhone 14 Pro Max is the latest flagship smartphone from Apple, set to be released in the fall of 2023. It will feature a large 6.7-inch OLED display with a resolution of 2778 x 1284 pixels, resulting in a pixel density of 458 pixels per inch. The phone will be powered by a new A18 chip, which is expected to provide significant performance improvements over the previous generation.</p><p>The iPhone 14 Pro Max will feature a triple-camera system on the back, including a wide,

```

ultra-wide, and telephoto lens. The camera system is expected to offer improved low-light performance, better optical zoom, and improved computational photography features. The front-facing camera is expected to be a 12-megapixel sensor with support for Face ID.</p><p>The phone is rumored to feature 5G connectivity, which will allow for faster download and upload speeds. It will also come with Wi-Fi 6E, Bluetooth 5.2, and NFC support. The iPhone 14 Pro Max will run on the latest version of iOS, which is expected to offer several new features and improvements.</p><p>The iPhone 14 Pro Max is expected to come with a range of storage options, including 128GB, 256GB, 512GB, and 1TB. The phone is also expected to come in several different colors, including Gold, Silver, Graphite, and a new Rose Gold color.</p>"

```
    },
    "specifications": [
      {
        "name": "frontCam",
        "value": "12 MP"
      },
      {
        "name": "rearCam",
        "value": "48 + 12 + 12 MP"
      },
      {
        "name": "memory",
        "value": "6 GB"
      },
      {
        "name": "storage",
        "value": "256 GB"
      },
      {
        "name": "battery",
        "value": "4323 mAh"
      },
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  }
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        "small": "assets/img/razerdav2s.jpg"
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    "description": {
      "short": "The Razer DeathAdder V2 is a gaming mouse designed for esports professionals. It features a 20,000 DPI optical sensor, Razer Speedflex Cable, and Razer Chroma RGB lighting. It has eight programmable buttons and is designed for right-handed users. It also has onboard memory to store up to five different profiles.",
      "long": "<p>The Razer DeathAdder V2 is a high-performance gaming mouse designed to deliver unparalleled precision and speed. Featuring Razer's 20,000 DPI Focus+ Optical Sensor, this mouse is capable of tracking movements with incredible accuracy, ensuring that every action is translated into game-winning results. The ergonomic design of the DeathAdder V2 is optimized for comfort, with a lightweight body that feels comfortable even during extended gaming sessions. The mouse also features eight programmable buttons that can be customized to suit your individual playstyle, as well as Razer Chroma RGB lighting that adds a touch of style to your setup. With its advanced features and durable design, the Razer DeathAdder V2 is the ultimate gaming mouse for serious gamers.</p>"
    }
  },

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        "value": 20000
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        "value": "70 Million Clicks"
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    "rating": 4,
    "review_ids": [10, 12, 7],
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    "category_id": 2,
    "brand_id": 5,
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        "small": "assets/img/samsunga52s.jpg"
      },
      {

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        "big": "assets/img/samsunga52.1.jpg",
        "small": "assets/img/samsunga52.1s.jpg"
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    ],
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        "long": "<p>The Samsung Galaxy A52S 5G is a mid-range smartphone that offers 5G connectivity, a large 6.5-inch Super AMOLED display, and a 64MP quad-camera setup. It's powered by a Qualcomm Snapdragon 778G chipset, which provides fast and reliable performance, and comes with 6GB or 8GB of RAM and 128GB of internal storage. The phone also has a large 4,500mAh battery with support for 25W fast charging and runs on the latest Android 11 operating system with Samsung's One UI 3.1 skin on top.</p>"
    },
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        {
            "name": "display",
            "value": "6.5\" Super AMOLED"
        }
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}

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        "long": "<p>The JBL Tune 510BT is a wireless on-ear headphone that offers a comfortable fit, powerful bass, and up to 40 hours of battery life. It has Bluetooth 5.0 connectivity, which allows you to easily pair it with your smartphone or tablet, and features JBL's Pure Bass Sound technology, which delivers deep and immersive bass. The headphones also have a built-in microphone and buttons for controlling music playback and taking calls. They come in a variety of colors, including black, white, and blue.</p>"
    },
    "specifications": [
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}

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        {
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    "brand_id": 6,
    "price": {
        "old_price": null,
        "current_price": 201.69
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            "small": "assets/img/razerkrakens.jpg"
        }
    ],
    "description": {
        "short": "A gaming headset from Razer that features
THX Spatial Audio and HyperSense haptic technology, which provides

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a more immersive gaming experience. The headset has cooling gel-infused cushions for added comfort and support.",

"long": "<p>The Razer Kraken V3 HyperSense is a gaming headset that features advanced haptic technology for a more immersive gaming experience. It has 50mm TriForce Titanium drivers that deliver clear and powerful audio, and THX Spatial Audio technology that creates a realistic 360-degree soundstage. The headset also has a built-in noise-canceling microphone and cooling gel-infused ear cushions for maximum comfort during long gaming sessions. The HyperSense haptic technology provides tactile feedback for a more immersive experience, letting you feel the game's audio as well as hear it.</p>"

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    "review_ids": [13, 10, 6],
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        {
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        "long": "<p>The Acer Nitro 5 is a budget gaming laptop that offers strong performance and a stylish design. It's powered by an AMD Ryzen 5 5600H processor and NVIDIA GeForce GTX 1650 graphics, which provide fast and smooth gameplay. The laptop also features a 15.6-inch Full HD IPS display with a 144Hz refresh rate, which delivers smooth and clear visuals, and a backlit keyboard for gaming in low light conditions. It has 8GB of RAM and a 256GB solid-state drive for fast boot and load times, and runs on the latest Windows 10 operating system.</p>"
    },
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        {
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            "name": "storage",

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        "value": "512 GB SSD"
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        "name": "display",
        "value": "15,6\" Full HD, IPS, ComfyView"
    },
    {
        "name": "graphics",
        "value": "nVidia GeForce RTX 3060 - 6 GB DDR6"
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            "big": "assets/img/hp15.1.jpg",
            "small": "assets/img/hp15.1s.jpg"
        }
    ],
    "description": {

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    "short": "A budget laptop from HP that features a 15.6-inch Full HD display, an Intel Core i3 processor, and 8GB of RAM. It has a 128GB SSD for storage and comes with Windows 10 pre-installed. It is suitable for basic computing tasks such as web browsing, email, and word processing.",
    "long": "<p>The HP 15 is an affordable laptop that's perfect for everyday use. It has a 15.6-inch diagonal HD SVA BrightView micro-edge WLED-backlit display that provides clear and bright visuals, and an Intel Pentium Silver N5000 processor that delivers reliable performance. The laptop also has 4GB of RAM and a 128GB solid-state drive for fast boot and load times, and runs on the latest Windows 10 operating system. It has a long battery life of up to 7 hours and comes in a variety of colors, including black, blue, and silver.</p>"
  },
  "specifications": [
    {
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      "value": "AMD Ryzen 7 5825U"
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    {
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      "value": "16 GB DDR4 - 3200 MHz"
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    {
      "name": "storage",
      "value": "512 GB SSD"
    },
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      "name": "display",
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    },
    {
      "name": "graphics",
      "value": "Integrated AMD Radeon"
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  "rating": 5,
  "review_ids": [11, 10, 1],

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        "category_id": 1,
        "brand_id": 2,
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            {
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            }
        ],
        "description": {
            "short": "The MacBook Pro M2 is a high-end laptop computer produced by Apple Inc. It features a powerful M2 processor, a stunning Retina display, and a sleek aluminum design. The laptop is known for its performance and is popular among professionals in creative fields such as video editing, graphic design, and music production.",
            "long": "<p>The Apple MacBook Pro M2 is a high-performance laptop designed for professionals who need a machine that can handle demanding tasks such as video editing, 3D rendering, and software development. It features Apple's M2 chip, which is expected to offer significant performance improvements over the previous generation M1 chip. The MacBook Pro M2 also comes with a 14-inch Retina display, up to 64GB of RAM, up to 8TB of SSD storage, and a battery life of up to 20 hours. Other features include Thunderbolt 4 ports, Wi-Fi 6, and Bluetooth 5.2.</p>"
        },
        "specifications": [

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            "value": "13.3\" LED backlit display, Retina"
        },
        {
            "name": "graphics",
            "value": "Integrated Apple M2"
        },
        {
            "name": "installedOS",
            "value": "Apple MacOS Monterey 12.0"
        }
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    "review_ids": [8, 3, 11],
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    "is_new": true,
    "in_stock": true
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    "brand_id": 7,
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        "current_price": 466.10
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    },
    {
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    }
],
"description": {
    "short": "The Acer Aspire 3 is a budget-friendly laptop that is suitable for basic computing tasks such as browsing the web, checking emails, and word processing. It features a 15.6-inch HD display, Intel or AMD processors, and up to 8GB of RAM.",
    "long": "<p>The Acer Aspire 3 is a budget laptop that offers decent performance for everyday computing tasks such as web browsing, word processing, and multimedia playback. It comes with a 15.6-inch Full HD display, an AMD Ryzen 3 3250U processor, 4GB of RAM, and a 128GB SSD. The laptop also has a full range of ports, including HDMI, USB 3.2, and Ethernet, as well as Wi-Fi 5 and Bluetooth connectivity. The Aspire 3 is a good option for students, casual users, and anyone who needs a basic laptop for everyday use.</p>"
},
"specifications": [
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        "value": "256 GB SSD"
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        "value": "15.6\" Full HD, ComfyView"
    },
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        "name": "graphics",
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    },

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    "in_stock": true
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            "small": "assets/img/hppav14.1s.jpg"
        }
    ],
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        "short": "The HP Pavilion 14 is a mid-range laptop designed for productivity and entertainment. It features a 14-inch Full HD display, Intel or AMD processors, and up to 16GB of RAM. The laptop is known for its performance and portability, making it a popular choice for students and professionals.",
        "long": "<p>The HP Pavilion 14 is a mid-range laptop that offers a good balance of performance, portability, and affordability. It features a 14-inch Full HD display, an 11th generation Intel Core i5 processor, 8GB of RAM, and a 512GB SSD. The laptop also has a backlit keyboard, a fingerprint reader, and a full range of ports including USB 3.1, HDMI, and Ethernet. The Pavilion 14 is a good option for anyone who needs a reliable

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laptop for work or school, but doesn't want to spend a lot of money.</p>

```
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    "specifications": [
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        "name": "memory",
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      {
        "name": "storage",
        "value": "256 GB SSD"
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        "value": "14\" Full HD, IPS, Micro-edge, Anti-
glare"
      },
      {
        "name": "graphics",
        "value": "Integrated Intel Iris Xe Graphics"
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        "value": "Windows 11 Home 64bit"
      }
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    "review_ids": [10, 5, 12],
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    "is_new": false,
    "in_stock": true
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    "category_id": 2,
    "brand_id": 5,
    "price": {
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        "current_price": 889.82
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    ],
    "description": {
        "short": "The Samsung Galaxy S22 is a high-end smartphone from Samsung's flagship Galaxy S series. It is expected to feature the latest technology and features, including a high-quality camera, powerful processor, and a large, high-resolution display. The phone is likely to be popular among those looking for a top-of-the-line Android device.",
        "long": "</p><p>The Samsung Galaxy S22 is the latest flagship smartphone from Samsung. It features a 6.2-inch Super AMOLED display with a 120Hz refresh rate, making it perfect for gaming and streaming. It also boasts a powerful Exynos 2200 processor, 8GB of RAM, and up to 512GB of storage. The S22 has a triple camera setup on the back, including a 108MP primary sensor, a 12MP ultra-wide sensor, and a 5MP macro sensor. It also has a 10MP front-facing camera for high-quality selfies. The S22 runs on Android 12 and has a 4,000mAh battery with 25W fast charging support.</p>"
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        {
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            "value": "50 + 12 + 10 MP"
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        {
            "name": "memory",
            "value": "8 GB"
        }
    ],

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```

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            "value": "3700 mAh"
        },
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            "name": "display",
            "value": "6.1\" Dynamic AMOLED 2X"
        },
        {
            "name": "color",
            "value": "White"
        }
    ],
    "rating": 5,
    "review_ids": [6, 11, 5],
    "discount": 10,
    "is_new": false,
    "in_stock": true
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    "category_id": 2,
    "brand_id": 10,
    "price": {
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        "current_price": 820.33
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        },
        {
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            "small": "assets/img/xiaomi12t.1s.jpg"
        }
    ],
    "description": {

```

```
    "short": "The Xiaomi 12T PRO is a high-end smartphone from Chinese manufacturer Xiaomi. It is expected to feature the latest technology and features, including a high-quality camera, powerful processor, and a large, high-resolution display. The phone is likely to be popular among those looking for a top-of-the-line Android device at a more affordable price point compared to other high-end brands.",
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```
    "long": "<p>The Xiaomi 12T PRO is a flagship smartphone from Xiaomi. It features a 6.67-inch Full HD+ AMOLED display with a 120Hz refresh rate. The phone is powered by a Snapdragon 888+ processor, which is paired with up to 12GB of RAM and up to 512GB of storage. The 12T PRO boasts a triple camera setup on the back, including a 108MP primary sensor, a 20MP ultra-wide sensor, and an 8MP periscope telephoto lens. It also has a 20MP front-facing camera for high-quality selfies. The 12T PRO runs on MIUI 13 based on Android 11 and has a 5,000mAh battery with 120W fast charging support.</p>"
```

```
  },
```

```
  "specifications": [
```

```
    {
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      "value": "20 MP"
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    },
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    {
```

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    {
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    {
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    "review_ids": [3, 5, 12],
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    "brand_id": 10,
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        }
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    "description": {
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        "long": "<p>The Xiaomi Redmi Note 11 Pro is a mid-range smartphone from Xiaomi. It features a 6.67-inch Full HD+ AMOLED display with a 120Hz refresh rate. The phone is powered by a Snapdragon 870 processor, which is paired with up to 8GB of RAM and up to 256GB of storage. The Redmi Note 11 Pro boasts a quad camera setup on the back, including a 64MP primary sensor, an 8MP ultra-wide sensor, a 5MP macro sensor, and a 2MP depth sensor. It also has a 16MP front-facing camera for high-quality selfies. The

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Redmi Note 11 Pro runs on MIUI 13 based on Android 11 and has a 5,000mAh battery with 67W fast charging support.</p>

```
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        "name": "rearCam",
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        "value": "6 GB"
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      {
        "name": "storage",
        "value": "128 GB"
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      {
        "name": "battery",
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      {
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        "value": "6.67\" Super AMOLED"
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        "name": "color",
        "value": "Grey"
      }
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    "brand_id": 10,
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        "old_price": 526.68,
        "current_price": 474.57
    },
    "images": [
        {
            "big": "assets/img/xiaomimi9.jpg",
            "small": "assets/img/xiaomimi9s.jpg"
        },
        {
            "big": "assets/img/xiaomimi9.1.jpg",
            "small": "assets/img/xiaomimi9.1s.jpg"
        }
    ],
    "description": {
        "short": "A flagship smartphone from Xiaomi featuring a 6.39-inch AMOLED display, triple rear cameras (48MP + 12MP + 16MP), 20MP front camera, Snapdragon 855 processor, 3,300mAh battery, and dual SIM support.",
        "long": "<p>The Xiaomi Mi 9 DS is a high-end smartphone that features a 6.39-inch AMOLED display with a resolution of 1080 x 2340 pixels. It is powered by a Qualcomm Snapdragon 855 processor and has 6GB of RAM and 64GB of storage. The phone also features a triple camera setup on the back with a 48MP primary sensor, a 12MP telephoto lens, and a 16MP ultra-wide lens. The front-facing camera is a 20MP sensor. The phone has a 3300mAh battery and supports fast charging.</p>"
    },
    "specifications": [
        {
            "name": "frontCam",
            "value": "20 MP"
        },
        {
            "name": "rearCam",
            "value": "48 + 12 + 16 MP"
        },
        {
            "name": "memory",
            "value": "6 GB"
        }
    ]

```

```

        "name": "storage",
        "value": "128 GB"
    },
    {
        "name": "battery",
        "value": "3300 mAh"
    },
    {
        "name": "display",
        "value": "6.39\" AMOLED"
    },
    {
        "name": "color",
        "value": "Blue"
    }
],
"rating": 4,
"review_ids": [2, 10, 13],
"discount": 10,
"is_new": false,
"in_stock": true
},
{
    "id": 16,
    "name": "Xiaomi PowerBank",
    "category_id": 3,
    "brand_id": 10,
    "price": {
        "old_price": null,
        "current_price": 31.35
    },
    "images": [
        {
            "big": "assets/img/xiaomipb.jpg",
            "small": "assets/img/xiaomipbs.jpg"
        }
    ],
    "description": {
        "short": "A portable power bank from Xiaomi that can charge various devices on the go. It comes in different sizes and capacities, ranging from 5,000mAh to 30,000mAh.",
        "long": "<p>The Xiaomi PowerBank is a portable battery charger that is designed to charge your phone or tablet on the go.

```

It has a 10000mAh battery capacity and can charge up to two devices simultaneously. The PowerBank features a USB-C port and a USB-A port, and supports fast charging with up to 18W output. The PowerBank is compact and lightweight, making it easy to carry around in your bag or pocket.</p>"

```
    },
    "specifications": [
      {
        "name": "capacity",
        "value": "10000 mAh"
      },
      {
        "name": "connectors",
        "value": "2x USB-A, 1x USB-C"
      },
      {
        "name": "wireless",
        "value": false
      },
      {
        "name": "flashlight",
        "value": false
      },
      {
        "name": "color",
        "value": "Blue"
      }
    ],
    "rating": 4,
    "review_ids": [5, 8, 1],
    "discount": null,
    "is_new": false,
    "in_stock": true
  },
  {
    "id": 17,
    "name": "Samsung Galaxy S23 Ultra",
    "category_id": 2,
    "brand_id": 5,
    "price": {
      "old_price": 1618.64,
      "current_price": 1457.62
    }
  },
```

```

    "images": [
      {
        "big": "assets/img/s23ultra.jpg",
        "small": "assets/img/s23ultras.jpg"
      },
      {
        "big": "assets/img/s23ultra.1.jpg",
        "small": "assets/img/s23ultra.1s.jpg"
      }
    ],
    "description": {
      "short": "This is an upcoming smartphone from Samsung that is expected to feature a large AMOLED display, multiple rear cameras, a powerful processor, and 5G connectivity. As of now, no official details about its specifications and features have been announced.",
      "long": "<p>The Samsung Galaxy S23 Ultra is a premium smartphone that features a 6.8-inch AMOLED display with a resolution of 1440 x 3200 pixels. It is powered by a Qualcomm Snapdragon 895 processor and has 12GB of RAM and 256GB of storage. The phone also features a quad camera setup on the back with a 108MP primary sensor, a 12MP telephoto lens, a 12MP ultra-wide lens, and a 5MP macro lens. The front-facing camera is a 40MP sensor. The phone has a 5000mAh battery and supports fast charging, wireless charging, and reverse wireless charging.</p>"
    },
    "specifications": [
      {
        "name": "frontCam",
        "value": "12 MP"
      },
      {
        "name": "rearCam",
        "value": "200 + 10 + 10 + 12 MP"
      },
      {
        "name": "memory",
        "value": "8 GB"
      },
      {
        "name": "storage",
        "value": "256 GB"
      }
    ]
  }

```

```

        {
            "name": "battery",
            "value": "5000 mAh"
        },
        {
            "name": "display",
            "value": "6.8\" AMOLED"
        },
        {
            "name": "color",
            "value": "Cream"
        }
    ],
    "rating": 5,
    "review_ids": [7, 13, 2],
    "discount": 10,
    "is_new": true,
    "in_stock": true
}
]

```

### 3.4.5 reviews.json

```

[
    {
        "id": 1,
        "name": "John Smith",
        "date": "2022-02-18",
        "rating": 4,
        "review_text": "I really enjoyed using this product. It
exceeded my expectations and performed well beyond what I had
hoped for."
    },
    {
        "id": 2,
        "name": "Jane Doe",
        "date": "2022-02-17",
        "rating": 3,
        "review_text": "Overall, I thought this product was
decent. It wasn't the best I've ever used, but it got the job done
and I was satisfied with my purchase."
    },
    {

```

```
    "id": 3,
    "name": "Bob Johnson",
    "date": "2022-02-16",
    "rating": 5,
    "review_text": "This product is amazing! It completely
changed the way I do things and has made my life so much easier. I
would highly recommend it to anyone."
  },
  {
    "id": 4,
    "name": "John Doe",
    "date": "2022-02-15",
    "rating": 4,
    "review_text": "I really enjoyed using this product. It
was easy to set up and use, and it met all of my expectations."
  },
  {
    "id": 5,
    "name": "Jane Smith",
    "date": "2022-02-12",
    "rating": 5,
    "review_text": "This is by far the best product I have
ever used. It's so simple to use, and it works perfectly. I would
recommend it to anyone!"
  },
  {
    "id": 6,
    "name": "Michael Johnson",
    "date": "2022-02-10",
    "rating": 3,
    "review_text": "Overall, this is a good product, but I did
have some trouble with the installation. Once it was set up,
though, it worked fine."
  },
  {
    "id": 7,
    "name": "Sarah Lee",
    "date": "2022-02-08",
    "rating": 2,
    "review_text": "I was disappointed with this product. It
did not work as advertised, and I had a lot of trouble getting it
set up. I would not recommend it."
  },
}
```



```
{
  "id": 8,
  "name": "David Kim",
  "date": "2022-02-05",
  "rating": 5,
  "review_text": "This product is amazing! It exceeded all
of my expectations, and I would definitely recommend it to anyone
looking for a great product."
},
{
  "id": 9,
  "name": "John Doe",
  "date": "2022-01-15",
  "rating": 5,
  "review_text": "I recently purchased this product and I am
blown away by how great it is. The quality is top-notch and it
exceeded my expectations. Highly recommend!"
},
{
  "id": 10,
  "name": "Jane Smith",
  "date": "2022-02-05",
  "rating": 4,
  "review_text": "This product is overall great, but there
are a few minor issues that I've noticed. It's still worth the
purchase though."
},
{
  "id": 11,
  "name": "Bob Johnson",
  "date": "2022-02-10",
  "rating": 2,
  "review_text": "I had high hopes for this product, but
unfortunately it did not meet my expectations. It's not terrible,
but I wouldn't recommend it either."
},
{
  "id": 12,
  "name": "Sarah Williams",
  "date": "2022-01-22",
  "rating": 5,
```

```
    "review_text": "I absolutely love this product! It has
made my life so much easier and it's very high quality. I would
definitely purchase again."
  },
  {
    "id": 13,
    "name": "Mike Brown",
    "date": "2022-02-14",
    "rating": 3,
    "review_text": "This product is okay, but I think there
are better options out there for the price. It gets the job done,
but nothing spectacular."
  }
]
```

#### 3.4.6 sort.json

```
[
  {
    "name": "By Price Ascending",
    "value": "price-asc"
  },
  {
    "name": "By Price Descending",
    "value": "price-desc"
  },
  {
    "name": "By Name A - Z",
    "value": "a-z"
  },
  {
    "name": "By Name Z - A",
    "value": "z-a"
  }
]
```