

Ilja Nikolić 149/20 - Dokumentacija

1. Uvod

1.1. Korišćeni programski jezici i tehnologije

Prilikom izrade sajta za restoran "TechNova" korišćene su sledeće tehnologije i programski jezici:

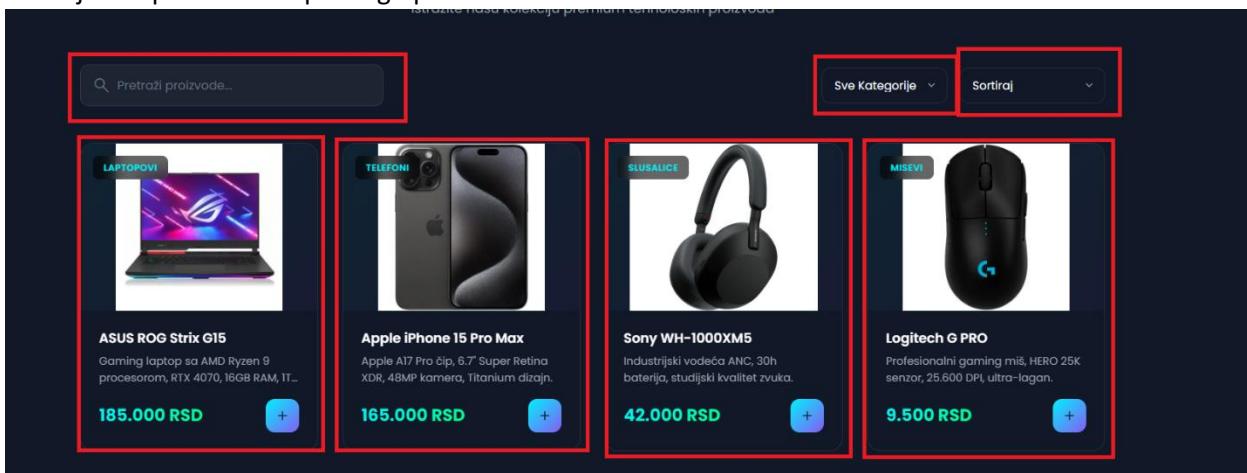
- **HTML5** – za strukturu stranica i definisanje elemenata (div, header, section, form, button itd.)
- **CSS3** – za stilizaciju, raspored elemenata (layout), animacije, responsive dizajn i vizuelne efekte.
- **JavaScript** – za dinamičko generisanje sadržaja, filtriranje, sortiranje, rad sa korpom, validaciju forme, animacije i upravljanje DOM-om.
- **jQuery** – za pojednostavljeni rukovanje DOM-om i implementaciju smooth scroll efekta.
- **Google Fonts** – za učitavanje i korišćenje eksternih fontova.

1.2. Opis funkcionalnosti

Sajt restorana "TechNova" poseduje sledeće funkcionalnosti:

Sajt poseduje više dinamičkih i interaktivnih funkcionalnosti implementiranih pomoću JavaScripta i jQuery biblioteke. Na početnoj stranici nalazi se dinamički prikaz proizvoda koji se generiše iz JavaScript niza objekata, sa mogućnošću filtriranja po kategoriji, pretrage po nazivu i opisu, kao i sortiranja po ceni i nazivu. Implementirana je funkcionalna korpa koja omogućava dodavanje, uklanjanje i automatsko računanje ukupne cene proizvoda, uz dinamičko ažuriranje broja artikala i prikaz notifikacija. Navigacija sadrži programirani mobilni meni (hamburger meni) sa otvaranjem i zatvaranjem, kao i smooth scroll efekat ka sekcijama stranice. Ugrađeni su scroll animacioni efekti pomoću Intersection Observer API-ja, koji aktiviraju animacije elemenata prilikom ulaska u viewport. Kontakt stranica sadrži programiranu validaciju forme u realnom vremenu (provera unosa za ime, prezime, email, telefon i poruku), prikaz poruka o greškama i modal prozor za uspešnu potvrdu slanja. Takođe je implementirano dinamičko upravljanje prikazom elemenata (otvaranje i zatvaranje korpe, modala i overlay-a), kao i debounce

funkcija za optimizovanu pretragu proizvoda.



Search bar: za pretragu proizvoda u real timeu.

Filte za izabir kategorija.

Sortiranje za sortiranje prizoda.

Dinamicko kreiranje prozivoda iz JavaScripta.

Implementirana je **debounce** funkcija za optimizovanu pretragu (sprečava prečesto izvršavanje funkcije pri kucanju).



Notifikacija o uspesnom dodavanju u korpu.

Vaša Korpa



Vaša korpa je prazna

Dodajte proizvode da biste započeli
kupovinu

Ukupno:

0 RSD

Nastavi ka Plaćanju →

Korpa je dinamicki implementirana u JavaScript-u i omogucava dodavanje i uklanjanje proizvoda, automatsko povecavanje kolicine, kao i obracun ukupne cene i broja artikala. Sadrzaj se azurira bez osvesavanja stranice i prikazuje se u bočnom panelu uz notifikaciju o uspesnoj akciji.

| | |
|--|--|
| Ime * | Prezime * |
| <input type="text" value="Unesite ime"/> | <input type="text" value="Unesite prezime"/> |
| Ime mora sadržati samo slova (2-30 karaktera) | |
| Prezime mora sadržati samo slova (2-30 karaktera) | |
| Email Adresa * | |
| <input type="text" value="vas@email.com"/> | |
| Unesite validnu email adresu | |
| Telefon * | |
| <input type="text" value="+381 XX XXX XXXX"/> | |
| Unesite validan broj telefona | |
| Tema * | |
| <input style="height: 40px; width: 100%;" type="text" value="Izaberite temu"/> | |
| Izaberite temu | |
| Poruka * | |
| <input style="height: 150px; width: 100%;" type="text" value="Unesite vašu poruku (minimum 10 karaktera)"/> | |
| Poruka mora imati najmanje 10 karaktera | |
| <input checked="" type="checkbox"/> Prihvatom uslove korišćenja i politiku privatnosti * | |
| <input style="background-color: #00AEEF; color: white; font-weight: bold; padding: 5px; width: 100%; height: 30px;" type="button" value="Pošalji Poruku"/> | |

Kontakt forma je programirana u JavaScript-u i sadrzi validaciju unosa (ime, prezime, email, telefon i poruka) pomocu regularnih izraza. Provera se vrsti u realnom vremenu, uz prikaz poruka o greskama.



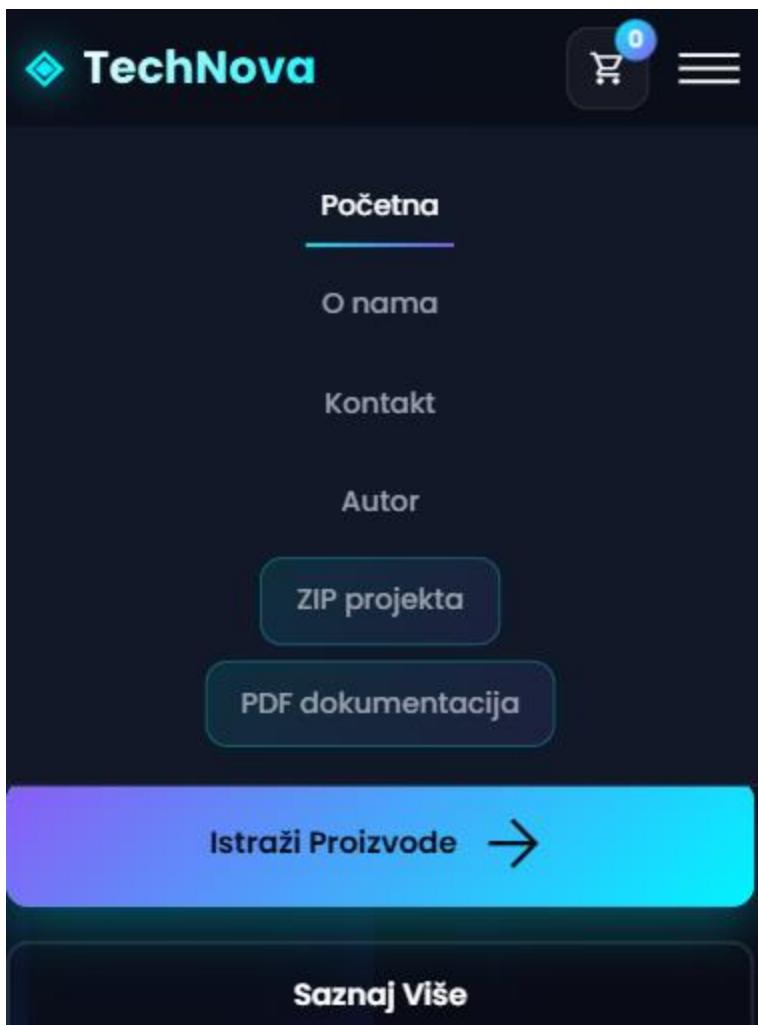
Poruka Poslata!

Hvala vam na kontaktu.

Odgovorićemo vam u najkraćem
mogućem roku.

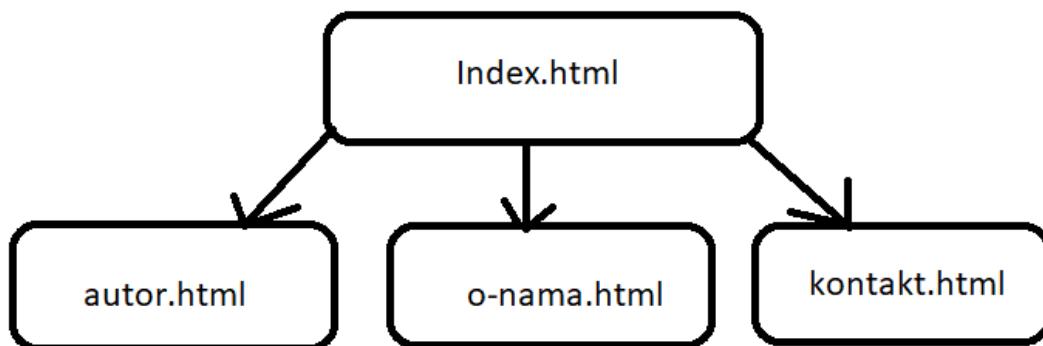
U redu

Notifikacija nakon uspesno popunjene forme.



Navigacioni meni je dinamicki implementiran sa podrskom za mobilni (hamburger) prikaz. Omogucava otvaranje i zatvaranje menija klikom na dugme, automatsko zatvaranje pri izboru linka ili kliku van menija, kao i smooth scroll efekat ka sekcijama stranice.

Organizacija sajta



```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <url>
    <loc>https://technova.com/index.html</loc>
    <lastmod>2026-02-24</lastmod>
    <changefreq>weekly</changefreq>
    <priority>1.0</priority>
  </url>
  <url>
    <loc>https://technova.com/o-nama.html</loc>
    <lastmod>2026-02-24</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.8</priority>
  </url>
  <url>
    <loc>https://technova.com/kontakt.html</loc>
    <lastmod>2026-02-24</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.8</priority>
  </url>
  <url>
    <loc>https://technova.com/autor.html</loc>
    <lastmod>2026-02-24</lastmod>
    <changefreq>yearly</changefreq>
    <priority>0.5</priority>
  </url>
</urlset>
```

Index.html

```
<!DOCTYPE html>
<html lang="sr">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="TechNova Store - Ultra futuristička online prodavnica tehnoloških gadžeta. Najnoviji uređaji po najboljim cenama.">
    <meta name="keywords" content="tehnologija, gadžeti, laptopovi, telefoni, slušalice, smart satovi, online prodavnica">
    <meta name="author" content="TechNova Store">
    <title>TechNova Store | Futuristička Prodavnica Tehnologije</title>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,GRAD@20..48,100..700,0,1" />
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap" rel="stylesheet">
    <link rel="stylesheet" href="css/style.css">
</head>
<body>
    <header class="header">
        <nav class="navbar">
            <div class="nav-brand">
                <a href="index.html" class="logo">
                    <span class="logo-icon">❖</span>
                    <span class="logo-text">TechNova</span>
                </a>
            </div>
            <ul class="nav-menu">
                <li class="nav-item">
                    <a href="index.html" class="nav-link active">Početna</a>
                </li>
                <li class="nav-item">
                    <a href="o-nama.html" class="nav-link">O nama</a>
                </li>
                <li class="nav-item">
                    <a href="kontakt.html" class="nav-link">Kontakt</a>
                </li>
                <li class="nav-item">
                    <a href="autor.html" class="nav-link">Autor</a>
                </li>
                <li class="nav-item">
                    <a href="projekat.zip" class="nav-link nav-link-zip" download>ZIP projekta</a>
                </li>
                <li class="nav-item">
                    <a href="projekat.pdf" class="nav-link nav-link-zip" download>PDF dokumentacija</a>
                </li>
            </ul>
            <div class="nav-actions">
                <button class="cart-btn" id="cartBtn" aria-label="Korpa">
                    <span class="material-symbols-outlined">
                        shopping cart
                    </span>
                </button>
            </div>
        </nav>
    </header>

```

```
        </span>
        <span class="cart-count" id="cartCount">0</span>
    </button>
    <button class="mobile-menu-btn" id="mobileMenuBtn" aria-label="Meni">
        <span></span>
        <span></span>
        <span></span>
    </button>
</div>
</nav>
</header>

<main>
    <section class="hero">
        <div class="hero-bg">
            
            <div class="hero-overlay"></div>
        </div>
        <div class="hero-content">
            <h1 class="hero-title">
                <span class="gradient-text">Budućnost Tehnologije</span>
                <br>Počinje Ovde
            </h1>
            <p class="hero-subtitle">
                Otkrijte najnovije tehnološke gadžete koji definišu sutrašnjicu.
                Od cutting-edge laptopova do pametnih uređaja koji transformišu vaš svakodnevni život.
            </p>
            <div class="hero-buttons">
                <a href="#products" class="btn btn-primary">
                    <span>Istraži Proizvode</span>
                    <span class="material-symbols-outlined">
                        arrow_forward
                    </span>
                </a>
                <a href="o-nama.html" class="btn btn-secondary">
                    <span>Saznaj Više</span>
                </a>
            </div>
        </div>
        <div class="hero-stats">
            <div class="stat-item">
                <span class="stat-number">500+</span>
```

```
<div class="stat-item">
    <span class="stat-number">500+</span>
    <span class="stat-label">Proizvoda</span>
</div>
<div class="stat-item">
    <span class="stat-number">50K+</span>
    <span class="stat-label">Zadovoljnih Kupaca</span>
</div>
<div class="stat-item">
    <span class="stat-number">24/7</span>
    <span class="stat-label">Podrška</span>
</div>
</div>
</section>

<section class="features">
    <div class="container">
        <div class="features-grid">
            <div class="feature-card">
                <div class="feature-icon">
                    <span class="material-symbols-outlined">
                        shield
                    </span>
                </div>
                <h3 class="feature-title">Garancija Kvaliteta</h3>
                <p class="feature-desc">Svi proizvodi prolaze rigoroznu kontrolu kvaliteta sa 2 godine garancije.</p>
            </div>
            <div class="feature-card">
                <div class="feature-icon">
                    <span class="material-symbols-outlined">
                        flash_on
                    </span>
                </div>
                <h3 class="feature-title">Brza Dostava</h3>
                <p class="feature-desc">Besplatna dostava za sve porudžbine preko 5000 RSD. Isporuka za 24-48h.</p>
            </div>
            <div class="feature-card">
                <div class="feature-icon">
                    <span class="material-symbols-outlined">
                        check_circle
                    </span>
                </div>
                <h3 class="feature-title">Povrat Novca</h3>
                <p class="feature-desc">30 dana za povrat proizvoda bez objašnjenja. Puna povratna naknada.</p>
            </div>
        </div>
    </div>
</section>
```

```
3 |         <p class="feature-desc">30 dana za povrat proizvoda bez objašnjenja. Puna povratna naknada.</p>
4 |     </div>
5 |   </div>
6 | </div>
7 |</section>
8 |
9 |<section class="products-section" id="products">
10|   <div class="container">
11|     <div class="section-header">
12|       <h2 class="section-title">Naša <span class="gradient-text">Ponuda</span></h2>
13|       <p class="section-subtitle">Istražite našu kolekciju premium tehnoloških proizvoda</p>
14|     </div>
15|
16|     <div class="products-controls">
17|       <div class="search-box">
18|         <span class="material-symbols-outlined">
19|           search
20|         </span>
21|         <input type="text" id="searchInput" placeholder="Pretraži proizvode..." autocomplete="off">
22|       </div>
23|       <div class="filter-sort">
24|         <select id="categoryFilter" class="filter-select">
25|           <option value="all">Sve Kategorije</option>
26|           <option value="laptopovi">Laptopovi</option>
27|           <option value="telefoni">Telefoni</option>
28|           <option value="slusalice">Slušalice</option>
29|           <option value="misevi">Miševi</option>
30|           <option value="tastature">Tastature</option>
31|           <option value="smart-satovi">Smart Satovi</option>
32|           <option value="monitori">Monitori</option>
33|         </select>
34|         <select id="sortSelect" class="filter-select">
35|           <option value="default">Sortiraj</option>
36|           <option value="price-asc">Cena: Rastuće</option>
37|           <option value="price-desc">Cena: Opadajuće</option>
38|           <option value="name-asc">Naziv: A-Z</option>
39|         </select>
40|       </div>
41|     </div>
42|
43|     <div class="products-grid" id="productsGrid">
44|     </div>
```

```
<div class="products-grid" id="productsGrid">
</div>

<div class="no-results" id="noResults" style="display: none;">
    <span class="material-symbols-outlined">
        search
    </span>
    <h3>Nema rezultata</h3>
    <p>Pokušajte sa drugačijim terminom pretrage</p>
</div>
</div>
</section>

</main>

<footer class="footer">
    <div class="container">
        <div class="footer-grid">
            <div class="footer-brand">
                <a href="index.html" class="logo">
                    <span class="logo-icon">❖</span>
                    <span class="logo-text">TechNova</span>
                </a>
                <p class="footer-desc">Vaša destinacija za najnoviju tehnologiju. Kvalitet, pouzdanost i inovacija u svakom proizvodu.</p>
            <div class="social-links">
                <a href="https://www.facebook.com" target="_blank" aria-label="Facebook">
                    <i class="fa fa-facebook-f"></i>
                </a>
                <a href="https://www.instagram.com" target="_blank" aria-label="Instagram">
                    <i class="fa fa-instagram"></i>
                </a>
                <a href="https://www.twitter.com" target="_blank" aria-label="Twitter">
                    <i class="fa fa-twitter"></i>
                </a>
            </div>
            </div>
            <div class="footer-links">
                <h4>Brzi Linkovi</h4>
                <ul>
                    <li><a href="index.html">Početna</a></li>
                    <li><a href="#">O nama</a></li>
                    <li><a href="#">Kontakt</a></li>
                </ul>
            </div>
        </div>
    </div>
</footer>
```

```
        <ul>
            <li><a href="index.html">Početna</a></li>
            <li><a href="o-nama.html">O nama</a></li>
            <li><a href="kontakt.html">Kontakt</a></li>
            <li><a href="autor.html">Autor</a></li>
        </ul>
    </div>

    <div class="footer-contact">
        <h4>Kontakt</h4>
        <ul>
            <li>
                <span class="material-symbols-outlined">
                    location_on
                </span>
                <span>Bulevar Tehnologije 42, Beograd</span>
            </li>
            <li>
                <span class="material-symbols-outlined">
                    phone_enabled
                </span>
                <span>+381 11 123 4567</span>
            </li>
            <li>
                <span class="material-symbols-outlined">
                    mail
                </span>
                <span>info@technova.rs</span>
            </li>
        </ul>
    </div>
    <div class="footer-bottom">
        <p>© 2026 TechNova Store. Sva prava zadržana.</p>
    </div>
</div>
</footer>

<div class="cart-panel" id="cartPanel">
    <div class="cart-header">
        <h3>Vaša Korpa</h3>
        <button class="cart-close" id="cartClose" aria-label="Zatvori korpu">
```

```
<div class="cart-panel" id="cartPanel">
  <div class="cart-header">
    <h3>Vaša Korpa</h3>
    <button class="cart-close" id="cartClose" aria-label="Zatvori korpu">
      <span class="material-symbols-outlined">
        close
      </span>
    </button>
  </div>
  <div class="cart-items" id="cartItems">
    <div class="cart-empty">
      <span class="material-symbols-outlined">
        shopping_cart
      </span>
      <p>Vaša korpa je prazna</p>
      <span>Dodajte proizvode da biste započeli kupovinu</span>
    </div>
  </div>
  <div class="cart-footer">
    <div class="cart-total">
      <span>Ukupno:</span>
      <span class="cart-total-price" id="cartTotal">0 RSD</span>
    </div>
    <button class="btn btn-primary btn-checkout" id="checkoutBtn">
      <span>Nastavi ka Plaćanju</span>
      <span class="material-symbols-outlined">
        arrow_forward
      </span>
    </button>
  </div>
</div>
<div class="cart-overlay" id="cartOverlay"></div>

<div class="notification" id="notification">
  <div class="notification-icon">
    <span class="material-symbols-outlined">
      check_circle
    </span>
  </div>
  <span class="notification-text" id="notificationText">Proizvod dodat u korpu</span>
</div>

<script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
<script src="js/script.js"></script>
</body>
</html>
```

Autor.html

```
<!DOCTYPE html>
<html lang="sr">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="Upoznajte autora TechNova Store projekta. Informacije o developeru i tehničkim detaljima projekta.">
    <meta name="keywords" content="autor, developer, technova, web dizajn, projekat">
    <meta name="author" content="TechNova Store">
    <title>Autor | TechNova Store</title>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Material+Symbols:Outlined:opsz,wght,FILL,GRAD@20..48,100..700,0,1" />
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap" rel="stylesheet">
    <link rel="stylesheet" href="css/style.css">
</head>
<body>
    <header class="header">
        <nav class="navbar">
            <div class="nav-brand">
                <a href="index.html" class="logo">
                    <span class="logo-icon">❖</span>
                    <span class="logo-text">TechNova</span>
                </a>
            </div>
            <ul class="nav-menu">
                <li class="nav-item">
                    <a href="index.html" class="nav-link">Početna</a>
                </li>
                <li class="nav-item">
                    <a href="o-nama.html" class="nav-link">O nama</a>
                </li>
                <li class="nav-item">
                    <a href="kontakt.html" class="nav-link">Kontakt</a>
                </li>
                <li class="nav-item">
                    <a href="autor.html" class="nav-link active">Autor</a>
                </li>
                <li class="nav-item">
                    <a href="projekat.zip" class="nav-link nav-link-zip" download>ZIP projekta</a>
                </li>
                <li class="nav-item">
                    <a href="projekat.pdf" class="nav-link nav-link-zip" download>PDF dokumentacija</a>
                </li>
            </ul>
            <div class="nav-actions">
                <button class="cart-btn" id="cartBtn" aria-label="Korpa">
                    <span class="material-symbols-outlined">
                        shopping_cart
                    </span>
                    <span>0</span>
                </button>
                <button class="mobile-menu-btn" id="mobileMenuBtn" aria-label="Meni">
                    <span></span>
                    <span></span>
                    <span></span>
                </button>
            </div>
        </nav>
    </header>
    <main>
        <section class="hero-other">
            <div class="hero-bg">
                
                <div class="hero-overlay"></div>
            </div>
            <div class="hero-content">
                <h1 class="hero-title">
                    <span class="gradient-text">O Autoru</span>
                </h1>
                <p class="hero-subtitle">
                    Upoznajte osobu iza ovog projekta
                </p>
            </div>
        </section>
        <section class="author-section">
            <div class="container">
                <div class="author-simple">
                    <div class="author-photo">
                        
                    </div>
                    <div class="author-bio-simple">
                        <h2>Ilija Nikolić 149/20</h2>
                        <p>Moje ime je Ilija Nikolić i student sam Visoke ICT škole, sa brojem indeksa 149/20. Računari su oduvek bili moja strast, još od ranog detinjstva kada sam počeo da se interesujem za računarsku tehniku. Učim se razne programski jezike i tehnologije, a posebno se interesujem za razvoj web aplikacija i mobilnih aplikacija. Želim da stvorim funkcionalne i užitne aplikacije kojima će se ljudi moguće uživati. Sviđa mi se raditi na projekatima i deliti svoje znanje sa drugima. U slobodno vrijeme volim putovati, posmatrati prirodu i provoditi vrijeme sa porodicom.</p>
                    </div>
                </div>
            </div>
        </section>
    </main>

```

```
<footer class="footer">
  <div class="container">
    <div class="footer-grid">
      <div class="footer-brand">
        <a href="#">index.html>
          <span class="logo-icon">❖</span>
          <span class="logo-text">TechNova</span>
        </a>
        <p>Vaša destinacija za najnoviju tehnologiju. Kvalitet, pouzdanost i inovacija u svakom proizvodu.</p>
      <div class="social-links">
        <a href="https://www.facebook.com" target="_blank" aria-label="Facebook">
          <i class="fa fa-facebook-f"></i>
        </a>
        <a href="https://www.instagram.com" target="_blank" aria-label="Instagram">
          <i class="fa fa-instagram"></i>
        </a>
        <a href="https://www.twitter.com" target="_blank" aria-label="Twitter">
          <i class="fa fa-twitter"></i>
        </a>
      </div>
    </div>
    <div class="footer-links">
      <h4>Brzi Linkovi</h4>
      <ul>
        <li><a href="#">index.html>Početna</a></li>
        <li><a href="#">o-nama.html>O nama</a></li>
        <li><a href="#">kontakt.html>Kontakt</a></li>
        <li><a href="#">autor.html>Autor</a></li>
      </ul>
    </div>
    <div class="footer-contact">
      <h4>Kontakt</h4>
      <ul>
        <li>
          <span class="material-symbols-outlined">location_on</span>
          <span>Bulevar Tehnologije 42, Beograd</span>
        </li>
        <li>
          <span class="material-symbols-outlined">
```

```
        <span class="material-symbols-outlined">
        |   phone_enabled
        </span>
        <span>+381 11 123 4567</span>
    </li>
    <li>
        <span class="material-symbols-outlined">
        |   mail
        </span>
        <span>info@technova.rs</span>
    </li>
</ul>
</div>
</div>
<div class="footer-bottom">
    <p>&copy; 2026 TechNova Store. Sva prava zadržana.</p>
</div>
</div>
</footer>

<div class="cart-panel" id="cartPanel">
    <div class="cart-header">
        <h3>Vaša Korpa</h3>
        <button class="cart-close" id="cartClose" aria-label="Zatvori korpu">
            <span class="material-symbols-outlined">
            |   close
            </span>
        </button>
    </div>
    <div class="cart-items" id="cartItems">
        <div class="cart-empty">
            <span class="material-symbols-outlined">
            |   shopping_cart
            </span>
            <p>Vaša korpa je prazna</p>
            <span>Dodajte proizvode da biste započeli kupovinu</span>
        </div>
    </div>
    <div class="cart-footer">
        <div class="cart-total">
            <span>Ukupno:</span>
            <span class="cart-total-price" id="cartTotal">0 RSD</span>
        </div>
        <button class="btn btn-primary btn-checkout" id="checkoutBtn">
```

```
        <span>Ukupno:</span>
        <span class="cart-total-price" id="cartTotal">0 RSD</span>
    </div>
    <button class="btn btn-primary btn-checkout" id="checkoutBtn">
        <span>Nastavi ka Plaćanju</span>
        <span class="material-symbols-outlined">
            arrow_forward
        </span>
    </button>
</div>
<div class="cart-overlay" id="cartOverlay"></div>

<div class="notification" id="notification">
    <div class="notification-icon">
        <span class="material-symbols-outlined">
            check_circle
        </span>
    </div>
    <span class="notification-text" id="notificationText">Proizvod dodat u korpu</span>
</div>

<script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
<script src="js/script.js"></script>
</body>
</html>
```

o-nama.html


```
        |   <span> shopping_cart </span>
        |   <span> </span>
        |   <span class="cart-count" id="cartCount">0</span>
    </button>
    <button class="mobile-menu-btn" id="mobileMenuBtn" aria-label="Meni">
        <span></span>
        <span></span>
        <span></span>
    </button>
</div>
</nav>
</header>

<main>
    <section class="hero-other">
        <div class="hero-bg">
            
            <div class="hero-overlay"></div>
        </div>
        <div class="hero-content">
            <h1 class="hero-title">
                <span class="gradient-text">O Nama</span>
            </h1>
            <p class="hero-subtitle">
                Upoznajte TechNova Store - vašeg partnera u svetu tehnologije
            </p>
        </div>
    </section>

    <section class="about-section">
        <div class="container">
            <div class="about-grid">
                <div class="about-content">
                    <h2 class="about-title">Naša <span class="gradient-text">Priča</span></h2>
                    <p class="about-text">
                        TechNova Store je osnovan 2020. godine sa jasnom vizijom - da učini najnoviju tehnologiju dostupnom svima.
                        Počeli smo kao mali tim entuzijasta koji su verovali da tehnologija može transformisati žive.
                    </p>
                    <p class="about-text">
                        Danas smo jedna od vodećih online prodavnica tehnoloških proizvoda u regionu,
                        sa preko 50.000 zadovoljnih kupaca i širokom ponudom premium proizvoda od najpoznatijih svetskih brendova.
                    </p>
                    <p class="about-text">

```

```
<p class="about-text">  
    Danas smo jedna od vodećih online prodavnica tehnoloških proizvoda u regionu,  
    sa preko 50.000 zadovoljnih kupaca i širokom ponudom premium proizvoda od najpoznatijih svetskih brendova.  
</p>  
<p class="about-text">  
    Naša posvećenost kvalitetu, transparentnosti i izvrsnoj korisničkoj podršci čini nas  
    pouzdanim partnerom za sve vaše tehnološke potrebe.  
</p>  
<div class="about-stats">  
    <div class="about-stat">  
        <span class="about-stat-number">6+</span>  
        <span class="about-stat-label">Godina Iskustva</span>  
    </div>  
    <div class="about-stat">  
        <span class="about-stat-number">500+</span>  
        <span class="about-stat-label">Proizvoda</span>  
    </div>  
    <div class="about-stat">  
        <span class="about-stat-number">50K+</span>  
        <span class="about-stat-label">Kupaca</span>  
    </div>  
</div>  
<div class="about-image">  
    <div class="about-image-wrapper">  
        <div class="about-image-glow"></div>  
          
    </div>  
</div>  
</div>  
</div>  
</section>  
  
<section class="mission-section">  
    <div class="container">  
        <div class="mission-grid">  
            <div class="mission-card">  
                <div class="mission-icon">  
                    <span class="material-symbols-outlined">  
                        clock_loader_20  
                    </span>  
                </div>  
            </div>  
        </div>  
    </div>  
</section>
```

```
        <span class="material-symbols-outlined">
          clock_loader_20
        </span>
      </div>
      <h3 class="mission-title">Naša Misija</h3>
      <p class="mission-text">
        Da omogućimo svakom pojedincu pristup najnovijoj tehnologiji koja unapređuje svakodnevni život.
        Verujemo da inovacije treba da budu dostupne, razumljive i korisne za sve.
      </p>
    </div>
    <div class="mission-card">
      <div class="mission-icon">
        <span class="material-symbols-outlined">
          visibility
        </span>
      </div>
      <h3 class="mission-title">Naša Vizija</h3>
      <p class="mission-text">
        Da postanemo vodeća destinacija za tehnološke proizvode u regionu,
        prepoznatljivi po kvalitetu, pouzdanosti i izvanrednom korisničkom iskustvu.
      </p>
    </div>
    <div class="mission-card">
      <div class="mission-icon">
        <span class="material-symbols-outlined">
          shield
        </span>
      </div>
      <h3 class="mission-title">Naše Vrednosti</h3>
      <p class="mission-text">
        Integritet, inovacija, kvalitet i posvećenost kupcima su temelji našeg poslovanja.
        Svaki proizvod koji nudimo prolazi strogu kontrolu kvaliteta.
      </p>
    </div>
  </div>
</section>

<section class="team-section">
  <div class="container">
    <div class="section-header">
      <h2 class="section-title">Naš <span class="gradient-text">Tim</span></h2>
      <p class="section-subtitle">Upoznajte ljude koji stoje iza TechNova Store</p>
    </div>
  </div>
</section>
```

```
<p class="section-subtitle">Upoznajte ljudе koji stoje iza TechNova Store</p>
</div>
<div class="team-grid">
    <div class="team-card">
        <div class="team-avatar">
            
        </div>
        <h3 class="team-name">Marko Petrović</h3>
        <p class="team-role">Osnivač i CEO</p>
        <p class="team-desc">Vizionar sa preko 15 godina iskustva u tehnološkoj industriji.</p>
    </div>
    <div class="team-card">
        <div class="team-avatar">
            
        </div>
        <h3 class="team-name">Ana Jovanović</h3>
        <p class="team-role">Direktor Prodaje</p>
        <p class="team-desc">Stručnjak za razvoj poslova i odnose sa kupcima.</p>
    </div>
    <div class="team-card">
        <div class="team-avatar">
            
        </div>
        <h3 class="team-name">Nikola Stanković</h3>
        <p class="team-role">Tehnički Direktor</p>
        <p class="team-desc">Strastveni tehnolog koji prati najnovije trendove.</p>
    </div>
    <div class="team-card">
        <div class="team-avatar">
            
        </div>
        <h3 class="team-name">Jelena Marković</h3>
        <p class="team-role">Vodja Podrške</p>
        <p class="team-desc">Posvećena pružanju izvrsne korisničke podrške.</p>
    </div>
</div>
</div>
</section>

<section class="testimonials-section">
    <div class="container">
        <div class="section-header">
            <h2 class="section-title">Šta Kažu <span class="gradient-text">Naši Kupci</span></h2>
```

```
<div class="container">
    <h2 class="section-title">Šta kažu <span class="gradient-text">Naši kupci</span></h2>
    <p class="section-subtitle">Iskustva naših zadovoljnih kupaca</p>
</div>
<div class="testimonials-grid">
    <div class="testimonial-card">
        <p class="testimonial-text">"Odlična prodavnica! Kupio sam laptop i slušalice, sve stiglo brzo i u savršenom stanju. Preporučujem svima."</p>
        <div class="testimonial-author">
            <span class="testimonial-name">Dragan Milić</span>
            <span class="testimonial-role">Veran Kupac</span>
        </div>
    </div>
    <div class="testimonial-card">
        <p class="testimonial-text">"Najbolja korisnička podrška ikada. Imala sam problema sa podešavanjem uređaja i tim mi je pomogao odmah."</p>
        <div class="testimonial-author">
            <span class="testimonial-name">Marija Kovačević</span>
            <span class="testimonial-role">Zadovoljan kupac</span>
        </div>
    </div>
    <div class="testimonial-card">
        <p class="testimonial-text">"Cene su odlične, a kvalitet proizvoda je vrhunski. Smart sat koji sam kupio radi savršeno već godinu dana."</p>
        <div class="testimonial-author">
            <span class="testimonial-name">Stefan Nikolić</span>
            <span class="testimonial-role">Tehnološki entuzijasta</span>
        </div>
    </div>
</div>
</section>
</main>

<footer class="footer">
    <div class="container">
        <div class="footer-grid">
            <div class="footer-brand">
                <a href="index.html" class="logo">
                    <span class="logo-icon">❖</span>
                    <span class="logo-text">TechNova</span>
                </a>
                <p class="footer-desc">Vaša destinacija za najnoviju tehnologiju. Kvalitet, pouzdanost i inovacija u svakom proizvodu.</p>
            <div class="social-links">
                <span class="logo-text">TechNova</span>
            </a>
            <p class="footer-desc">Vaša destinacija za najnoviju tehnologiju. Kvalitet, pouzdanost i inovacija u svakom proizvodu.</p>
            <div class="social-links">
                <a href="https://www.facebook.com" target="_blank" aria-label="Facebook">
                    <i class="fa fa-facebook-f"></i>
                </a>
                <a href="https://www.instagram.com" target="_blank" aria-label="Instagram">
                    <i class="fa fa-instagram"></i>
                </a>
                <a href="https://www.twitter.com" target="_blank" aria-label="Twitter">
                    <i class="fa fa-twitter"></i>
                </a>
            </div>
        </div>
        <div class="footer-links">
            <h4>Brzi Linkovi</h4>
            <ul>
                <li><a href="index.html">Početna</a></li>
                <li><a href="o-nama.html">O nama</a></li>
                <li><a href="kontakt.html">Kontakt</a></li>
                <li><a href="autor.html">Autor</a></li>
            </ul>
        </div>
        <div class="footer-contact">
            <h4>Kontakt</h4>
            <ul>
                <li>
                    <span class="material-symbols-outlined">
                        location_on
                    </span>
                    <span>Bulevar Tehnologije 42, Beograd</span>
                </li>
                <li>
                    <span class="material-symbols-outlined">
                        phone_enabled
                    </span>
                    <span>+381 11 123 4567</span>
                </li>
                <li>
                    <span class="material-symbols-outlined">
                        mail
                    </span>
                </li>
            </ul>
        </div>
    </div>
</footer>
```

```
<span class="material-symbols-outlined">
    mail
</span>
<span>info@technova.rs</span>
</li>
</ul>
</div>
</div>
<div class="footer-bottom">
    <p>&copy; 2026 TechNova Store. Sva prava zadržana.</p>
</div>
</div>
</footer>

<div class="cart-panel" id="cartPanel">
    <div class="cart-header">
        <h3>Vaša Korpa</h3>
        <button class="cart-close" id="cartClose" aria-label="Zatvori korpu">
            <span class="material-symbols-outlined">
                close
            </span>
        </button>
    </div>
    <div class="cart-items" id="cartItems">
        <div class="cart-empty">
            <span class="material-symbols-outlined">
                shopping_cart
            </span>
            <p>Vaša korpa je prazna</p>
            <span>Dodajte proizvode da biste započeli kupovinu</span>
        </div>
    </div>
    <div class="cart-footer">
        <div class="cart-total">
            <span>Ukupno:</span>
            <span class="cart-total-price" id="cartTotal">0 RSD</span>
        </div>
        <button class="btn btn-primary btn-checkout" id="checkoutBtn">
            <span>Nastavi ka Plaćanju</span>
            <span class="material-symbols-outlined">
                arrow_forward
            </span>
        </button>
    </div>
</div>
```

```
324     <span>Okupljo.</span>
325     <span class="cart-total-price" id="cartTotal">0 RSD</span>
326   </div>
327   <button class="btn btn-primary btn-checkout" id="checkoutBtn">
328     <span>Nastavi ka Plaćanju</span>
329     <span class="material-symbols-outlined">
330       arrow_forward
331     </span>
332   </button>
333 </div>
334 </div>
335 <div class="cart-overlay" id="cartOverlay"></div>
336
337 <div class="notification" id="notification">
338   <div class="notification-icon">
339     <span class="material-symbols-outlined">
340       check_circle
341     </span>
342   </div>
343   <span class="notification-text" id="notificationText">Proizvod dodat u korpu</span>
344 </div>
345
346 <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
347 <script src="js/script.js"></script>
348 </body>
349 </html>
350
```

Kontakt.html

```
<!DOCTYPE html>
<html lang="sr">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="Kontaktirajte TechNova Store. Tu smo za sva vaša pitanja i sugestije. Brza i pouzdana podrška.">
    <meta name="keywords" content="kontakt, podrška, technova, pitanja, pomoć, korisnička služba">
    <meta name="author" content="TechNova Store">
    <title>Kontakt | TechNova Store</title>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,GRAD@20..48,100..700,0,1" />
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap" rel="stylesheet">
    <link rel="stylesheet" href="css/style.css">
</head>
<body>
    <header class="header">
        <nav class="navbar">
            <div class="nav-brand">
                <a href="index.html" class="logo">
                    <span class="logo-icon">❖</span>
                    <span class="logo-text">TechNova</span>
                </a>
            </div>
            <ul class="nav-menu">
                <li class="nav-item">
                    <a href="index.html" class="nav-link">Početna</a>
                </li>
                <li class="nav-item">
                    <a href="o-nama.html" class="nav-link">O nama</a>
                </li>
                <li class="nav-item">
                    <a href="kontakt.html" class="nav-link active">Kontakt</a>
                </li>
                <li class="nav-item">
                    <a href="autor.html" class="nav-link">Autor</a>
                </li>
                <li class="nav-item">
                    <a href="projekat.zip" class="nav-link nav-link-zip" download>ZIP projekta</a>
                </li>
                <li class="nav-item">
                    <a href="projekat.pdf" class="nav-link nav-link-zip" download>PDF dokumentacija</a>
                </li>
            </ul>
            <div class="nav-actions">
                <button class="cart-btn" id="cartBtn" aria-label="Korpa">
                    <span class="material-symbols-outlined">
                        shopping cart
                    </span>
                </button>
            </div>
        </nav>
    </header>
    <main>
        <h1>Kontakt</h1>
        <form>
            <div>
                <label>Ime i prezime:</label>
                <input type="text" name="ime" value="Ivan Petrović" />
            </div>
            <div>
                <label>Email:</label>
                <input type="email" name="email" value="ivan.petrovic@example.com" />
            </div>
            <div>
                <label>Sadržaj poruke:</label>
                <input type="text" name="sadrzaj" value="Molim vam da mi odgovorite o dostupnosti ovog projekta." />
            </div>
            <div>
                <input type="submit" value="Pošalji" />
            </div>
        </form>
    </main>
</body>

```

```
        <span class="material-symbols-outlined">
          shopping_cart
        </span>
        <span class="cart-count" id="cartCount">0</span>
      </button>
      <button class="mobile-menu-btn" id="mobileMenuBtn" aria-label="Meni">
        <span></span>
        <span></span>
        <span></span>
      </button>
    </div>
  </nav>
</header>

<main>
  <section class="hero-other">
    <div class="hero-bg">
      
      <div class="hero-overlay"></div>
    </div>
    <div class="hero-content">
      <h1 class="hero-title">
        <span class="gradient-text">Kontaktrajte nas</span>
      </h1>
      <p class="hero-subtitle">
        Tu smo za sva vaša pitanja i sugestije
      </p>
    </div>
  </section>

  <section class="contact-section">
    <div class="container">
      <div class="contact-grid">
        <div class="contact-info">
          <h2 class="contact-title">Kontakt <span class="gradient-text">Info</span></h2>
          <p class="contact-desc">
            Tu smo za sva vaša pitanja. Izaberite najbolji način da nas kontaktirate.
          </p>
        <div class="contact-cards">
          <div class="contact-card">
            <div class="contact-card-icon">
              <span class="material-symbols-outlined">
                location_on
              </span>
            <div class="contact-card-content">
              <h3>Adresa</h3>
              <p>123 Main Street, Anytown USA</p>
            </div>
          </div>
        </div>
      </div>
    </div>
  </section>
</main>
```

```
        location_on
        </span>
    </div>
    <h4>Posetite Nas</h4>
    <p>Bulevar Tehnologije 42<br>11000 Beograd</p>
</div>

<div class="contact-card">
    <div class="contact-card-icon">
        <span class="material-symbols-outlined">
            phone_enabled
        </span>
    </div>
    <h4>Pozovite Nas</h4>
    <p>+381 11 123 4567<br>+381 64 123 4567</p>
</div>

<div class="contact-card">
    <div class="contact-card-icon">
        <span class="material-symbols-outlined">
            mail
        </span>
    </div>
    <h4>Email</h4>
    <p>info@technova.rs<br>podrska@technova.rs</p>
</div>

<div class="contact-card">
    <div class="contact-card-icon">
        <span class="material-symbols-outlined">
            nest_clock_farsight_analog
        </span>
    </div>
    <h4>Radno Vreme</h4>
    <p>Pon - Pet: 09-20h<br>Sub: 10-16h</p>
</div>
</div>
</div>

<div class="contact-form-wrapper">
    <h3 class="form-title">Pošaljite Nam <span class="gradient-text">Poruku</span></h3>
    <form class="contact-form" id="contactForm" novalidate>
        <div class="form-row">
```

```

<div class="contact-form-wrapper">
  <h3 class="form-title">Pošaljite Nam <span class="gradient-text">Poruku</span></h3>
  <form class="contact-form" id="contactForm" novalidate>
    <div class="form-row">
      <div class="form-group">
        <label for="firstName">Ime *</label>
        <input type="text" id="firstName" name="firstName" placeholder="Unesite ime">
        <span class="error-message" id="firstNameError"></span>
      </div>
      <div class="form-group">
        <label for="lastName">Prezime *</label>
        <input type="text" id="lastName" name="lastName" placeholder="Unesite prezime">
        <span class="error-message" id="lastNameError"></span>
      </div>
    </div>

    <div class="form-group">
      <label for="email">Email Adresa *</label>
      <input type="email" id="email" name="email" placeholder="vas@email.com">
      <span class="error-message" id="emailError"></span>
    </div>

    <div class="form-group">
      <label for="phone">Telefon *</label>
      <input type="tel" id="phone" name="phone" placeholder="+381 XX XXX XXXX">
      <span class="error-message" id="phoneError"></span>
    </div>

    <div class="form-group">
      <label for="subject">Tema *</label>
      <select id="subject" name="subject">
        <option value="">Izaberite temu</option>
        <option value="pitanje">Opšte pitanje</option>
        <option value="porudzbina">Status porudžbine</option>
        <option value="reklamacija">Reklamacija</option>
        <option value="saradnja">Poslovna saradnja</option>
        <option value="drugo">Drugo</option>
      </select>
      <span class="error-message" id="subjectError"></span>
    </div>

    <div class="form-group">
      <label for="message">Poruka *</label>
      <label for="message">Poruka *</label>
      <input type="text" id="message" name="message" rows="5" placeholder="Unesite vašu poruku (minimum 10 karaktera)">
      <span class="error-message" id="messageError"></span>
    </div>

    <div class="form-group form-checkbox">
      <input type="checkbox" id="terms" name="terms">
      <label for="terms">
        Prihvatam <a href="#" class="terms-link">uslove korišćenja</a> i
        <a href="#" class="terms-link">politiku privatnosti</a> *
      </label>
      <span class="error-message" id="termsError"></span>
    </div>

    <button type="submit" class="btn btn-primary btn-submit">
      <span>Pošalji Poruku</span>
      <span class="material-symbols-outlined">
        send
      </span>
    </button>
  </form>
</div>
</div>
</section>

<section class="faq-section">
  <div class="container">
    <div class="section-header">
      <h2 class="section-title">Često Postavljana <span class="gradient-text">Pitanja</span></h2>
      <p class="section-subtitle">Brzi odgovori na najčešća pitanja</p>
    </div>
    <div class="faq-grid">
      <div class="faq-item">
        <h4 class="faq-question">Koliko traje dostava?</h4>
        <p class="faq-answer">Dostava u Beogradu traje 24-48 sati, a za ostala mesta u Srbiji 2-4 radna dana. Za porudžbine preko 5000 RSD dostava je besplatna.</p>
      </div>
      <div class="faq-item">
        <h4 class="faq-question">Koji su načini plaćanja?</h4>
        <p class="faq-answer">Prihvatomamo plaćanje pouzećem, platnim karticama (Visa, MasterCard, Maestro), kao i bankovnim transferom.</p>
      </div>
      <div class="faq-item">
        <h4 class="faq-question">Da li mogu vratiti proizvod?</h4>
        <p class="faq-answer">Da, imate pravo na povrat novčanog poreza u roku od 30 dana bez obveznica. Previdno mora biti u originalnom stanju.</p>
      </div>
    </div>
  </div>
</section>

```

```
</div>
<div class="faq-item">
    <h4 class="faq-question">Da li mogu vratiti proizvod?</h4>
    <p class="faq-answer">Da, imate pravo na povrat proizvoda u roku od 30 dana bez objašnjenja. Proizvod mora biti u originalnom stanju.</p>
</div>
<div class="faq-item">
    <h4 class="faq-question">Kako mogu pratiti svoju porudžbinu?</h4>
    <p class="faq-answer">Nakon slanja porudžbine, dobicećete email sa brojem za praćenje. Možete ga koristiti na našem sajtu ili kod kurirske službe.</p>
</div>
</div>
</section>
</main>

<footer class="footer">
    <div class="container">
        <div class="footer-grid">
            <div class="footer-brand">
                <a href="#">index.html</a> class="logo">
                    <span class="logo-icon">&#9702;</span>
                    <span class="logo-text">TechNova</span>
                </a>
                <p class="footer-desc">Vaša destinacija za najnoviju tehnologiju. Kvalitet, pouzdanost i inovacija u svakom proizvodu.</p>
            <div class="social-links">
                <a href="https://www.facebook.com" target="_blank" aria-label="Facebook">
                    <i class="fa fa-facebook-f"></i>
                </a>
                <a href="https://www.instagram.com" target="_blank" aria-label="Instagram">
                    <i class="fa fa-instagram"></i>
                </a>
                <a href="https://www.twitter.com" target="_blank" aria-label="Twitter">
                    <i class="fa fa-twitter"></i>
                </a>
            </div>
            <div class="footer-links">
                <h4>Brzi Linkovi</h4>
                <ul>
                    <li><a href="#">index.html>Početna</a></li>
                    <li><a href="#">o-nama.html>O nama</a></li>
                    <li><a href="#">kontakt.html>Kontakt</a></li>
                    <li><a href="#">autor.html>Autor</a></li>
                </ul>
            </div>
        </div>
    </div>
</footer>
```

```
<div class="footer-contact">
    <h4>Kontakt</h4>
    <ul>
        <li>
            <span class="material-symbols-outlined">
                location_on
            </span>
            <span>Bulevar Tehnologije 42, Beograd</span>
        </li>
        <li>
            <span class="material-symbols-outlined">
                phone_enabled
            </span>
            <span>+381 11 123 4567</span>
        </li>
        <li>
            <span class="material-symbols-outlined">
                mail
            </span>
            <span>info@technova.rs</span>
        </li>
    </ul>
</div>
</div>
<div class="footer-bottom">
    <p>&copy; 2026 TechNova Store. Sva prava zadržana.</p>
</div>
</div>
</footer>

<div class="cart-panel" id="cartPanel">
    <div class="cart-header">
        <h3>Vaša Korpa</h3>
        <button class="cart-close" id="cartClose" aria-label="Zatvori korpu">
            <span class="material-symbols-outlined">
                close
            </span>
        </button>
    </div>
    <div class="cart-items" id="cartItems">
        <div class="cart-empty">
            <span class="material-symbols-outlined">
```

```
</div>
</div>
<div class="cart-items" id="cartItems">
    <div class="cart-empty">
        <span class="material-symbols-outlined">
            shopping_cart
        </span>
        <p>Vaša korpa je prazna</p>
        <span>Dodajte proizvode da biste započeli kupovinu</span>
    </div>
</div>
<div class="cart-footer">
    <div class="cart-total">
        <span>Ukupno:</span>
        <span class="cart-total-price" id="cartTotal">0 RSD</span>
    </div>
    <button class="btn btn-primary btn-checkout" id="checkoutBtn">
        <span>Nastavi ka Plaćanju</span>
        <span class="material-symbols-outlined">
            arrow_forward
        </span>
    </button>
</div>
</div>
<div class="cart-overlay" id="cartOverlay"></div>

<div class="notification" id="notification">
    <div class="notification-icon">
        <span class="material-symbols-outlined">
            check_circle
        </span>
    </div>
    <span class="notification-text" id="notificationText">Proizvod dodat u korpu</span>
</div>
<div class="modal" id="successModal">
    <div class="modal-content">
        <div class="modal-icon">
            <span class="material-symbols-outlined">
                done_all
            </span>
        </div>
        <h3 class="modal-title">Poruka Poslata!</h3>
        <p class="modal-text">Hvala vam na kontaktu. Odgovorićemo vam u najkraćem mogućem roku.</p>
        <button class="btn btn-secondary" id="modalCloseBtn">U redu</button>
    </div>
</div>
```

Script.js

```
const products = [
  {
    id: 1,
    name: "ASUS ROG Strix G15",
    category: "laptopovi",
    price: 185000,
    image: "images/asus-rog.webp",
    description: "Gaming laptop sa AMD Ryzen 9 procesorom, RTX 4070, 16GB RAM, 1TB SSD, 300Hz ekran."
  },
  {
    id: 2,
    name: "Apple iPhone 15 Pro Max",
    category: "telefoni",
    price: 165000,
    image: "images/apple-iphone.webp",
    description: "Apple A17 Pro čip, 6.7\" Super Retina XDR, 48MP kamera, Titanium dizajn."
  },
  {
    id: 3,
    name: "Sony WH-1000XM5",
    category: "slusalice",
    price: 42000,
    image: "images/sony-wh.webp",
    description: "Industrijski vodeća ANC, 30h baterija, studijski kvalitet zvuka."
  },
  {
    id: 4,
    name: "Logitech G PRO",
    category: "musevi",
    price: 9500,
    image: "images/logitech-mouse.webp",
    description: "Profesionalni gaming miš, HERO 25K senzor, 25.600 DPI, ultra-lagan."
  },
  {
    id: 5,
    name: "Corsair K70 RGB PRO",
    category: "tastature",
    price: 18500,
    image: "images/Corsair-K70.png",
    description: "CHERRY MX Red prekidači, PBT keycaps, 8000Hz polling rate, RGB."
  },
  {
    id: 6,
    name: "Apple Watch Ultra",
    category: "smart-satovi",
    price: 95000,
    image: "images/apple-watch.jpg",
    description: "49mm titanium kućište, 100m vodootpornost, 36h baterija, GPS."
  }
];
```

```
{
    {
        id: 7,
        name: "Samsung Galaxy S24 Ultra",
        category: "telefoni",
        price: 155000,
        image: "images/samsung-galaxy.webp",
        description: "200MP kamera, S Pen, 6.8\" QHD+ 120Hz, 5000mAh, AI funkcije."
    },
    {
        id: 8,
        name: "MacBook Pro M3",
        category: "laptopovi",
        price: 245000,
        image: "images/apple-macbook-pro.webp",
        description: "Apple M3 čip, 14\" Liquid Retina XDR, 18h baterija, 8GB/512GB."
    },
    {
        id: 9,
        name: "AirPods Pro 2",
        category: "slusalice",
        price: 32000,
        image: "images/apple-airpods.webp",
        description: "Active Noise Cancellation, 2x jači ANC, 6h slušanja, MagSafe."
    },
    {
        id: 10,
        name: "Samsung Odyssey OLED G9",
        category: "monitori",
        price: 185000,
        image: "images/samsung-odyssey.jpg",
        description: "49\" DQHD 240Hz OLED, 0.03ms, zakrivljen, HDR400 True Black."
    },
    {
        id: 11,
        name: "Garmin Fenix 7",
        category: "smart-satovi",
        price: 75000,
        image: "images/Garmin-fenix.png",
        description: "Multisport GPS sat, solar punjenje, TOPO mape, 18 dana baterija."
    },
    {
        id: 12,
        name: "Keychron V3",
        category: "tastature",
        price: 12500,
        image: "images/Keychron-V3.png",
        description: "QMK/VIA programabilna, hot-swappable, South-facing RGB, TKL."
    }
}
```

```
},
{
    id: 13,
    name: "iPad Pro 2024",
    category: "tablet",
    price: 145000,
    image: "images/apple-ipad-pro.webp",
    description: "M4 čip, 11\" Ultra Retina XDR, 256GB, Apple Pencil Pro podrška."
},
{
    id: 14,
    name: "Samsung Galaxy Watch",
    category: "smart-satovi",
    price: 35000,
    image: "images/Samsung-Galaxy-Watch.png",
    description: "46mm, AMOLED ekran, 4GB, GPS, 472mAh baterija."
},
{
    id: 15,
    name: "Apple Watch Ultra Orange",
    category: "smart-satovi",
    price: 95000,
    image: "images/apple-watch-orange.jpg",
    description: "49mm titanium, narandžasti Alpine Loop, 100m vodootpornost."
},
{
    id: 16,
    name: "iPhone 15 Pro Titanium",
    category: "telefoni",
    price: 145000,
    image: "images/apple-iphone-15-pro-titanium.webp",
    description: "Titanium dizajn, A17 Pro, 6.1\" 120Hz ProMotion, 48MP."
},
];

```

```
let cart = [];

const formatPrice = (price) => {
  return new Intl.NumberFormat('sr-RS', {
    style: 'currency',
    currency: 'RSD',
    minimumFractionDigits: 0,
    maximumFractionDigits: 0
  }).format(price);
};

const debounce = (func, wait) => {
  let timeout;
  return function executedFunction(...args) {
    const later = () => {
      clearTimeout(timeout);
      func(...args);
    };
    clearTimeout(timeout);
    timeout = setTimeout(later, wait);
  };
};

// Generisanje HTML-a za proizvod

const generateProductHTML = (product) => [
  const { id, name, category, price, image, description } = product;

  return `
    <article class="product-card" data-id="${id}" data-category="${category}" data-price="${price}" data-name="${name.toLowerCase()}">
      <div class="product-image">
        
        <span class="product-category">${category}</span>
      </div>
      <div class="product-content">
        <h3 class="product-title">${name}</h3>
        <p class="product-desc">${description}</p>
        <div class="product-footer">
          <span class="product-price"><${formatPrice(price)}</span>
          <button class="btn-add-cart" data-id="${id}" aria-label="Dodaj u korpu">
            <span class="material-symbols-outlined">
              add
            </span>
          </button>
        </div>
      </div>
    </article>
  `;
}
```

```
const renderProducts = (productsToRender) => {
  const productsGrid = document.getElementById('productsGrid');
  const noResults = document.getElementById('noResults');

  if (!productsGrid) return;

  if (productsToRender.length === 0) {
    productsGrid.innerHTML = '';
    noResults.style.display = 'block';
    return;
  }
  const noResults: HTMLElement | null
  noResults.style.display = 'none';
  productsGrid.innerHTML = productsToRender.map(product => generateProductHTML(product)).join('');
};

// Filtriranje, pretraga i sortiranje

const filterProducts = () => {
  const categoryFilter = document.getElementById('categoryFilter');
  const searchInput = document.getElementById('searchInput');
  const sortSelect = document.getElementById('sortSelect');

  let filtered = [...products];

  // Filtriranje po kategoriji
  if (categoryFilter && categoryFilter.value !== 'all') {
    filtered = filtered.filter(p => p.category === categoryFilter.value);
  }

  // Pretraga
  if (searchInput && searchInput.value.trim()) {
    const searchTerm = searchInput.value.toLowerCase().trim();
    filtered = filtered.filter(p =>
      p.name.toLowerCase().includes(searchTerm) ||
      p.description.toLowerCase().includes(searchTerm) ||
      p.category.toLowerCase().includes(searchTerm)
    );
  }
}
```

```

// Sortiranje
if (sortSelect) {
    const sortValue = sortSelect.value;
    switch (sortValue) {
        case 'price-asc':
            filtered.sort((a, b) => a.price - b.price);
            break;
        case 'price-desc':
            filtered.sort((a, b) => b.price - a.price);
            break;
        case 'name-asc':
            filtered.sort((a, b) => a.name.localeCompare(b.name));
            break;
        default:
            filtered.sort((a, b) => a.id - b.id);
    }
}

renderProducts(filtered);
;

onst debouncedFilter = debounce(filterProducts, 300);

// Korpa funkcionalnosti

onst addToCart = (productId) => {
    const product = products.find(p => p.id === productId);
    if (!product) return;

    const existingItem = cart.find(item => item.id === productId);

    if (existingItem) {
        existingItem.quantity += 1;
    } else {
        cart.push({ ...product, quantity: 1 });
    }

    updateCartUI();
    showNotification(` ${product.name} dodat u korpu`);
    openCart();
};

onst removeFromCart = (productId) => {
    cart = cart.filter(item => item.id !== productId);
    updateCartUI();
}

```

```
const updateQuantity = (productId, change) => {
    const item = cart.find(item => item.id === productId);
    if (!item) return;

    item.quantity += change;

    if (item.quantity <= 0) {
        removeFromCart(productId);
    } else {
        updateCartUI();
    }
};

const calculateTotal = () => {
    return cart.reduce((total, item) => total + (item.price * item.quantity), 0);
};

const getTotalItems = () => {
    return cart.reduce((total, item) => total + item.quantity, 0);
};

const updateCartUI = () => {
    const cartCount = document.getElementById('cartCount');
    const cartItems = document.getElementById('cartItems');
    const cartTotal = document.getElementById('cartTotal');

    if (cartCount) {
        cartCount.textContent = getTotalItems();
    }

    if (cartTotal) {
        cartTotal.textContent = formatPrice(calculateTotal());
    }

    if (cartItems) {
        if (cart.length === 0) {
            cartItems.innerHTML =
                `<div class="cart-empty">
                    <p>Vaša korpa je prazna</p>
                    <span>Dodajte proizvode da biste započeli kupovinu</span>
                </div>
            `;
        } else {
    
```

```
    } else {
      cartItems.innerHTML = cart.map(item => `
        <div class="cart-item" data-id="${item.id}">
          <div class="cart-item-image">
            
          </div>
          <div class="cart-item-details">
            <h4 class="cart-item-title">${item.name}</h4>
            <span class="cart-item-category">${item.category}</span>
            <span class="cart-item-price"> ${formatPrice(item.price)} x ${item.quantity}</span>
          </div>
          <button class="cart-item-remove" data-id="${item.id}" aria-label="Ukloni iz korpe">
            <span class="material-symbols-outlined">
              close_small
            </span>
          </button>
        </div>
      `).join('');
    }
  }

const openCart = () => {
  const cartPanel = document.getElementById('cartPanel');
  const cartOverlay = document.getElementById('cartOverlay');

  if (cartPanel) cartPanel.classList.add('open');
  if (cartOverlay) cartOverlay.classList.add('open');
  document.body.style.overflow = 'hidden';
};

const closeCart = () => {
  const cartPanel = document.getElementById('cartPanel');
  const cartOverlay = document.getElementById('cartOverlay');

  if (cartPanel) cartPanel.classList.remove('open');
  if (cartOverlay) cartOverlay.classList.remove('open');
  document.body.style.overflow = '';
};
```

```
✓ const showNotification = (message) => {
    const notification = document.getElementById('notification');
    const notificationText = document.getElementById('notificationText');

    ✓ if (notification && notificationText) {
        notificationText.textContent = message;
        notification.classList.add('show');

        setTimeout(() => {
            notification.classList.remove('show');
        }, 3000);
    }
};

// Validacija forme

✓ const validationRules = {
    ✓ firstName: {
        pattern: /^[a-zA-ZčćđšžĆĆĐŠŽ\s]{2,30}$/,
        message: 'Ime mora sadržati samo slova (2-30 karaktera)'
    },
    ✓ lastName: {
        pattern: /^[a-zA-ZčćđšžĆĆĐŠŽ\s]{2,30}$/,
        message: 'Prezime mora sadržati samo slova (2-30 karaktera)'
    },
    ✓ email: {
        pattern: /^[^\s@]+@[^\s@]+\.[^\s@]+$/,
        message: 'Unesite validnu email adresu'
    },
    ✓ phone: {
        pattern: ^[\+]?[0-9\s\-\(\)]{9,20}$/,
        message: 'Unesite validan broj telefona'
    },
    ✓ subject: {
        pattern: /.+,
        message: 'Izaberite temu'
    },
    ✓ message: {
        pattern: /.{10,500}/,
        message: 'Poruka mora imati najmanje 10 karaktera'
    }
};
```

```
✓ const validateField = (fieldName, value) => {
  const rule = validationRules[fieldName];
  if (!rule) return { valid: true, message: '' };

  const valid = rule.pattern.test(value.trim());
  return {
    valid,
    message: valid ? '' : rule.message
  };
};

✓ const showFieldError = (fieldId, message) => {
  const field = document.getElementById(fieldId);
  const errorElement = document.getElementById(`#${fieldId}Error`);

  if (field) {
    field.classList.toggle('error', !!message);
  }
  if (errorElement) {
    errorElement.textContent = message;
  }
};

✓ const validateForm = (formData) => {
  const errors = {};
  let isValid = true;

  Object.keys(validationRules).forEach(fieldName => {
    const value = formData.get(fieldName) || '';
    const validation = validateField(fieldName, value);

    if (!validation.valid) {
      errors[fieldName] = validation.message;
      isValid = false;
    }

    showFieldError(fieldName, validation.message);
  });
}
```

```
7     const terms = formData.get('terms');
8     if (!terms) {
9         errors.terms = 'Morate prihvatiti uslove korišćenja';
10        showFieldError('terms', 'Morate prihvatiti uslove korišćenja');
11        isValid = false;
12    } else {
13        showFieldError('terms', '');
14    }
15
16    return {isValid, errors};
17};
18
19 const handleProductClick = (e) => {
20     const addToCartBtn = e.target.closest('.btn-add-cart');
21
22     if (addToCartBtn) {
23         const productId = parseInt(addToCartBtn.dataset.id);
24         addToCart(productId);
25     }
26 };
27
28 const handleCartClick = (e) => {
29     const removeBtn = e.target.closest('.cart-item-remove');
30
31     if (removeBtn) {
32         const productId = parseInt(removeBtn.dataset.id);
33         removeFromCart(productId);
34     }
35 };
36
37 const initScrollAnimations = () => {
38     const observerOptions = {
39         root: null,
40         rootMargin: '0px',
41         threshold: 0.1
42     };
43
44     const observer = new IntersectionObserver((entries) => {
45         entries.forEach(entry => {
46             if (entry.isIntersecting) {
47                 entry.target.classList.add('visible');
48                 observer.unobserve(entry.target);
49             }
50         });
51     }, observerOptions);
52 }
```

```
// Dodavanje fade-in klase elementima
const animatableElements = document.querySelectorAll(
  '.feature-card, .product-card, .mission-card, .team-card, .testimonial-card, .skill-card, .faq-item'
);
animatableElements.forEach(el => {
  el.classList.add('fade-in');
  observer.observe(el);
});
};

// Mobile menu

const initMobileMenu = () => {
  const mobileMenuBtn = document.getElementById('mobileMenuBtn');
  const navMenu = document.querySelector('.nav-menu');

  if (mobileMenuBtn && navMenu) {
    mobileMenuBtn.addEventListener('click', () => {
      navMenu.classList.toggle('open');
      mobileMenuBtn.classList.toggle('open');
    });
    navMenu.querySelectorAll('.nav-link').forEach(link => {
      link.addEventListener('click', () => {
        navMenu.classList.remove('open');
        mobileMenuBtn.classList.remove('open');
      });
    });
    const closeMenuOnOutsideClick = (e) => {
      if (navMenu.classList.contains('open')) {
        if (!navMenu.contains(e.target) && !mobileMenuBtn.contains(e.target)) {
          navMenu.classList.remove('open');
          mobileMenuBtn.classList.remove('open');
        }
      }
    };
    document.addEventListener('click', closeMenuOnOutsideClick);
    document.addEventListener('touchstart', closeMenuOnOutsideClick);
    navMenu.addEventListener('click', (e) => {
      e.stopPropagation();
    });
  };
};
```

```
// Navbar scroll efekat
const initNavbarScroll = () => {
    const header = document.querySelector('.header');
    let lastScroll = 0;

    window.addEventListener('scroll', () => {
        const currentScroll = window.pageYOffset;

        if (currentScroll > 100) {
            header.style.background = 'rgba(11, 15, 26, 0.95)';
        } else {
            header.style.background = 'rgba(11, 15, 26, 0.8)';
        }

        lastScroll = currentScroll;
    });
};

$(document).ready(function() {
    // Smooth scroll za anchor linkove
    $('a[href^="#"]').on('click', function(e) {
        const target = $(this.getAttribute('href'));
        if (target.length) {
            e.preventDefault();
            $('html, body').animate({
                scrollTop: target.offset().top - 80
            }, 800);
        }
    });
});
```

```
document.addEventListener('DOMContentLoaded', () => {
    // Render proizvoda na početnoj stranici
    if (document.getElementById('productsGrid')) {
        renderProducts(products);
    }

    // Event listener-i za filtere
    const categoryFilter = document.getElementById('categoryFilter');
    const searchInput = document.getElementById('searchInput');
    const sortSelect = document.getElementById('sortSelect');

    if (categoryFilter) {
        categoryFilter.addEventListener('change', filterProducts);
    }

    if (searchInput) {
        searchInput.addEventListener('input', debouncedFilter);
    }

    if (sortSelect) {
        sortSelect.addEventListener('change', filterProducts);
    }

    // Event delegation za proizvode
    const productsGrid = document.getElementById('productsGrid');
    if (productsGrid) {
        productsGrid.addEventListener('click', handleProductClick);
    }

    // Korpa dugme
    const cartBtn = document.getElementById('cartBtn');
    if (cartBtn) {
        cartBtn.addEventListener('click', openCart);
    }

    // Zatvaranje korpe
    const cartClose = document.getElementById('cartClose');
    const cartOverlay = document.getElementById('cartOverlay');

    if (cartClose) {
        cartClose.addEventListener('click', closeCart);
    }

    if (cartOverlay) {
        cartOverlay.addEventListener('click', closeCart);
    }
}
```

```
// Event delegation za korpu
const cartItems = document.getElementById('cartItems');
if (cartItems) {
    cartItems.addEventListener('click', handleCartClick);
}

// Checkout dugme
const checkoutBtn = document.getElementById('checkoutBtn');
if (checkoutBtn) {
    checkoutBtn.addEventListener('click', () => {
        if (cart.length === 0) {
            showNotification('Korpa je prazna!');
        } else {
            window.location.href = 'kontakt.html';
        }
    });
}

// Forma validacija
const contactForm = document.getElementById('contactForm');
if (contactForm) {
    contactForm.addEventListener('submit', (e) => {
        e.preventDefault();

        const formData = new FormData(contactForm);
        const { isValid } = validateForm(formData);

        if (isValid) {
            const modal = document.getElementById('successModal');
            if (modal) {
                modal.classList.add('show');
            }
            contactForm.reset();
        }
    });
}

// Real-time validacija
const formInputs = contactForm.querySelectorAll('input, textarea, select');
formInputs.forEach(input => {
    input.addEventListener('blur', () => {
        const fieldName = input.name;
        const value = input.value;
        const validation = validateField(fieldName, value);
        showFieldError(fieldName, validation.message);
    });
})
```

```
    input.addEventListener('input', () => {
      if (input.classList.contains('error')) {
        const fieldName = input.name;
        const value = input.value;
        const validation = validateField(fieldName, value);
        if (validation.valid) {
          showFieldError(fieldName, '');
        }
      }
    });
}

// Modal zatvaranje
const modalCloseBtn = document.getElementById('modalCloseBtn');
const successModal = document.getElementById('successModal');

if (modalCloseBtn && successModal) {
  modalCloseBtn.addEventListener('click', () => {
    successModal.classList.remove('show');
  });

  successModal.addEventListener('click', (e) => {
    if (e.target === successModal) {
      successModal.classList.remove('show');
    }
  });
}

// Inicijalizacija ostalih funkcija
initScrollAnimations();
initMobileMenu();
initNavbarScroll();
updateCartUI();

// Escape key za zatvaranje korpe i modala
document.addEventListener('keydown', (e) => {
  if (e.key === 'Escape') {
    closeCart();
    if (successModal) {
      successModal.classList.remove('show');
    }
  }
});
});
```

```
// Pretraga iz URL-a
window.addEventListener('load', () => {
  const hash = window.location.hash;
  if (hash === '#products') {
    const productsSection = document.getElementById('products');
    if (productsSection) {
      setTimeout(() => {
        productsSection.scrollIntoView({ behavior: 'smooth' });
      }, 500);
    }
  }
});
```