VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

https://predragilijev0.github.io/ice-cream-shop/

Web Programiranje 2

Predrag Ilijev

[Type here]

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1. Uvod

1.1 Korišćeni programski jezici

Za izradu sajta korišćeni su HTML, CSS, Javascript, jQuery, Bootstrap i XML(Sitemap) u Visual Studio Code-u. Za uredjivanje slika je koršćen Photoshop.

1.2 Opis funkcionalnosti

- Dinamički ispisana navigacija
- Dinamički ispisani proizvodi na shop.html
- Dinamički ispisane kategorije proizvoda na shop.html
- Mogućnost filtriranja proizvoda po kategorijama na shop.html
- Mogućnost pretrage proizvoda poi menu na shop.html
- Mogućnost sortiranja proizvoda po imenu, ceni i rejtingu (rastuće i opadajuće) na shop.html
- Sve dinamički ispisane komponente na stranicama su dohvaćene fetch metodom iz json fajlova
- Dodavanje proizvoda u korpu i njihovo iščitavanje, mogućnost menjanja količine proizvoda u korpi
- Provera forme regularnim izrazima na stranicama contact.html i cart.html
- Čuvanje podataka u localstorage i ispisivanje izabranih proizvoda na cart.html stranici

1.3 Template

Template nije bio korišćen za ovaj sajt.

2. Organizacija
2.1 Sitemap

```xml
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <url>
        <loc>https://predragilijev0.github.io/ice-cream-shop/</loc>
        <lastmod>2022-03-13</lastmod>
        <changefreq>daily</changefreq>
        <priority>1</priority>
    </url>
    <url>
        <loc>https://predragilijev0.github.io/ice-cream-shop/contact.html</loc>
        <lastmod>2022-03-13</lastmod>
        <changefreq>weekly</changefreq>
        <priority>0.8</priority>
    </url>
    <url>
        <loc>https://predragilijev0.github.io/ice-cream-shop/shop.html</loc>
        <lastmod>2022-03-13</lastmod>
        <changefreq>weekly</changefreq>
        <priority>0.7</priority>
    </url>
    <url>
        <loc>https://predragilijev0.github.io/ice-cream-shop/cart.html</loc>
        <lastmod>2022-03-13</lastmod>
        <changefreq>weekly</changefreq>
        <priority>0.7</priority>
    </url>
</urlset>
```

3. Kodovi

3.1.1 index.html

```html
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8"/>
        <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
        <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
        <meta name="description" content="Verujemo da je sladoled, pored divne
poslastice, proizvod koji dovodi do osećaja čiste radosti i zadovoljstva i to su
vrednosti koje želimo da delimo sa ljudima u Beogradu, Novom Sadu kao i celoj
Srbiji."/>
        <meta name="author" content="Predrag Ilijev"/>
        <meta name="keywords" content="sladoled ukus hladan sladak osveženje"/>
        <title>Sladoled bez mane</title>
        <link rel="stylesheet" href="assets/css/style.css">
        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">
        <link rel="icon" href="favicon.ico" type="image/x-icon"/>
        <script src="https://kit.fontawesome.com/0bf5cb8e90.js"
crossorigin="anonymous"></script>
    </head>
    <body>
        <header class="darkbg">
            <div class="container">
                <nav class="navbar navbar-expand-lg navbar-dark">
                    <a class="navbar-brand" href="index.html">
                        <img src="img/icecream-icon-sm.png" class="img-fluid
rounded" alt="logo">
                    </a>
                    <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-
expanded="false" aria-label="Toggle navigation">
                        <span class="navbar-toggler-icon"></span>
                    </button>
                    <div class="collapse navbar-collapse" id="navbarNav">
                        <ul class="navbar-nav ml-auto" id="menu">
                        </ul>
                    </div>
                </nav>
            </div>
        </header>
        <!-- End of navigation -->
```

```html
        <!-- Slider -->
        <div class="slider">
            <div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">
                <div class="carousel-inner">
                    <div class="carousel-item active" data-interval="5000">
                        <img src="img/melondark.png" class="d-block w-100" alt="choco">
                    </div>
                    <div class="carousel-item" data-interval="5000">
                        <img src="img/chocodark.png" class="d-block w-100" alt="melon">
                    </div>
                    <div class="carousel-item" data-interval="5000">
                        <img src="img/mangodark.png" class="d-block w-100" alt="mango">
                    </div>
                </div>
                <a class="carousel-control-prev d-md-flex d-none" href="#carouselExampleIndicators" role="button" data-slide="prev">
                    <span class="carousel-control-prev-icon" aria-hidden="true"></span>
                    <span class="sr-only">Previous</span>
                </a>
                <a class="carousel-control-next d-md-flex d-none" href="#carouselExampleIndicators" role="button" data-slide="next">
                    <span class="carousel-control-next-icon" aria-hidden="true"></span>
                    <span class="sr-only">Next</span>
                </a>
                <div class="carousel-caption d-flex flex-column justify-content-center">
                    <h2>SLADOLED</br>BEZ MANE</h2>
                    <h5>Istražite ogroman broj različitih ukusnih sladoleda!</h5>
                </div>
            </div>
        </div>
        <!-- End of Slider -->

        <div class="container my-5">
            <div class="row text-center">
                <div class="col-12 text-center">
                    <h2 class="text-uppercase font-weight-bold">O NAMA</h2>
                </div>
            </div>
```

```
        </div>
        <div class="container my-5">
            <div class="row d-flex align-items-center">
                <div class="col-12 col-xl-6">
                    <img src="img/holdingicecream.jpg" class="img-fluid rounded"
alt="icecream">
                </div>
                <div class="col-12 col-xl-6 mt-xl-0 mt-4">
                    <div id="deskripcija" class="card">
                        <div class="card-body text-light">
                            <p class="card-text">Verujemo da je sladoled, pored
divne poslastice, proizvod koji dovodi do osećaja čiste radosti i zadovoljstva i
to su vrednosti koje želimo da delimo sa ljudima u Beogradu, Novom Sadu i
Srbiji.</p>
                            <p class="card-text">Od početka smo želeli sladoled
koji je drugačiji, kremastiji, intezivnijeg ukusa, koji se sporije topi, manje je
hladan i sladak i koji zbog toga nije samo letnje osveženje već dezert koji se
može jesti tokom cele godine.</p>
                            <p class="card-text">Naša je želja da proizvedemo ne
samo ukus, već da prenesemo emociju sa kojom će naši kupci moći trajno da se vežu
i da izazovemo onu vrstu zadovoljstva koja ljude čini srećnim i ovaj svet
lepšim.</p>
                        </div>
                    </div>
                </div>
            </div>
        </div>
        <div class="pt-5 pb-4 border-top sivo">
            <div class="container">
                <div class="row">
                    <div class="col-12 text-center mb-5">
                        <h2 class="text-uppercase font-weight-bold">Tipovi
ukusa</h2>
                    </div>
                </div>
            </div>
            <div class="container text-center">
                <div class="row">
                    <div class="col-12 col-lg-6">
                        <div class="row">
                            <div class="col-12 text-muted">
                                <a href="shop.html"><h3>Čokoladni</h3></a>
                            </div>
                        </div>
                        <div class="row">
```

```html
                                    <div class="col-12 py-4 mb-4">
                                        <a href="shop.html"><img src="img/coko.jpg"
class="img-fluid border rounded" alt="cokoladni"/></a>
                                    </div>
                                </div>
                            </div>
                            <div class="col-12 col-lg-6">
                                <div class="row">
                                    <div class="col-12 text-muted">
                                        <a href="shop.html"><h3>Voćni</h3></a>
                                    </div>
                                </div>
                                <div class="row">
                                    <div class="col-12 py-4 mb-4">
                                        <a href="shop.html"><img src="img/voce.jpg"
class="img-fluid border border-secondary rounded" alt="vocni"/></a>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
                <footer class="darkbg">
                    <div class="container pt-5">
                        <div class="row d-flex align-items-center">
                            <div class="col-12 col-lg-6 pb-3 text-center">
                                <ul>
                                    <li> <a href="index.html">POČETNA</a> </li>
                                    <li class="pt-1"> <a href="shop.html">SHOP</a> </li>
                                    <li class="pt-1"> <a href="contact.html">KONTAKT</a>
</li>

                                    <li class="pt-1"> <a href="cart.html"><i class='fas
fa-shopping-cart' aria-hidden='true'></i> KORPA</a> </li>

                                </ul>
                            </div>
                            <div class="col-12 col-lg-6 pb-5 text-center">
                                <p>Naše društvene mreže:</p>
                                <a class="p-2" href="https://www.facebook.com/"
target="_blank"> <i id="first" class="fab fa-facebook-f"></i></a>
                                <a class="p-2" href="https://twitter.com/"
target="_blank"><i class="fab fa-twitter"></i></a>
                                <a class="p-2" href="https://www.instagram.com/"
target="_blank"><i class="fab fa-instagram"></i></a>
                            </div>
```

```html
                    <div class="col-12 text-center">
                        <p>Copyright 2022 &copy; Predrag Ilijev</p>
                    </div>
                </div>
            </div>
        </footer>

        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
        <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"></script>
        <script src="assets/js/main.js"></script>
    </body>
</html>
```

3.1.2 shop.html

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8"/>
        <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
        <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
        <meta name="description" content="Verujemo da je sladoled, pored divne
poslastice, proizvod koji dovodi do osećaja čiste radosti i zadovoljstva i to su
vrednosti koje želimo da delimo sa ljudima u Beogradu, Novom Sadu kao i celoj
Srbiji."/>
        <meta name="author" content="Predrag Ilijev"/>
        <meta name="keywords" content="sladoled ukus hladan sladak osveženje"/>
        <title>Sladoled | Shop</title>
        <link rel="stylesheet" href="assets/css/style.css">
        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">
        <link rel="icon" href="favicon.ico" type="image/x-icon"/>
        <script src="https://kit.fontawesome.com/0bf5cb8e90.js"
crossorigin="anonymous"></script>
    </head>
    <body">
    <header class="darkbg">
        <div class="container">
            <nav class="navbar navbar-expand-lg navbar-dark">
                <a class="navbar-brand" href="index.html">
                    <img src="img/icecream-icon-sm.png" class="img-fluid rounded"
alt="logo">
                </a>
                <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-
expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="navbarNav">
                    <ul class="navbar-nav ml-auto" id="menu">
                    </ul>
                </div>
            </nav>
        </div>
    </header>
    <div class="container-fluid mb-3 mx-auto bgtitle2">
        <div class="row">
```

```html
            <div class="col-12 mx-auto text-uppercase">
                <h2 class="text-center text-light mb-5 mt-5 pt-5 pb-5
titlovi">Ponuda sladoleda</h2>
            </div>
        </div>
    </div>
    <div id="sortingPanel">
    </div>
    <div class="modal fade" id="exampleModal" tabindex="-1" aria-
labelledby="exampleModalLabel" aria-hidden="true">
        <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
            <h5 class="modal-title" id="exampleModalLabel">Vaš sladoled je
izabran!</h5>
            <button type="button" class="close" data-dismiss="modal" aria-
label="Close">
                <span aria-hidden="true">&times;</span>
            </button>
            </div>
            <div class="modal-body modal-tekst">
            <p class="mb-0">Proizvod je dodat u korpu</p>
            </div>
            <div class="modal-footer">
            <button type="button" class="btn btn-secondary" data-
dismiss="modal">Zatvori</button>
            <button type="button" class="btn btn-dark" data-
dismiss="modal">Nastavi</button>
            </div>
        </div>
        </div>
    </div>

    <div class="container mt-4 min-vh-100">
        <div class="row">
            <div class="col-lg-3">
                <div class="mb-4">
                    <label for="sortName">Sortiranje:</label>
                    <select class="form-control" id="sort">
                        <option value="ascName">A - Z</option>
                        <option value="descName"> Z - A</option>
                        <option value="ascPrice">Cena rastuća</option>
                        <option value="descPrice">Cena opadajuća</option>
                        <option value="ascRates">Zvezdice rastuće</option>
                        <option value="descRates">Zvezdice opadajuće</option>
```

```html
                    </select>
                </div>
                <div class="mb-4">
                    <label for="sortName">Pretraga:</label>
                    <input type="search" class="form-control" id="search"
name="search"
                        placeholder="Pretraga po imenu..."/>
                </div>
                <label for="sortName">Tip sladoleda:</label>
                <ul class="list-group" id="categories"></ul>
            </div>
            <!-- /.col-lg-3 -->
            <div class="col-lg-9">
                <div class="row" id="products">

                </div>
            </div>
        </div>
    </div>
    <footer class="darkbg">
        <div class="container pt-5">
            <div class="row d-flex align-items-center">
                <div class="col-12 col-lg-6 pb-3 text-center">
                    <ul>
                        <li> <a href="index.html">POČETNA</a> </li>
                        <li class="pt-1"> <a href="shop.html">SHOP</a> </li>
                        <li class="pt-1"> <a href="contact.html">KONTAKT</a>
</li>
                        <li class="pt-1"> <a href="cart.html"><i class='fas fa-
shopping-cart' aria-hidden='true'></i> KORPA</a> </li>
                    </ul>
                </div>
                <div class="col-12 col-lg-6 pb-5 text-center">
                    <p>Naše društvene mreže:</p>
                    <a class="p-2" href="https://www.facebook.com/"
target="_blank"> <i id="first" class="fab fa-facebook-f"></i></a>
                    <a class="p-2" href="https://twitter.com/" target="_blank"><i
class="fab fa-twitter"></i></a>
                    <a class="p-2" href="https://www.instagram.com/"
target="_blank"><i class="fab fa-instagram"></i></a>
                </div>
                <div class="col-12 text-center">
                    <p>Copyright 2022 &copy; Predrag Ilijev</p>
                </div>
            </div>
```

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```
        </div>
    </footer>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></scri
pt>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js
"></script>
    <script src="assets/js/main.js"></script>
    </body>
</html>
```

3.1.3 contact.html

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8"/>
        <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
        <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
        <meta name="description" content="Verujemo da je sladoled, pored divne
poslastice, proizvod koji dovodi do osećaja čiste radosti i zadovoljstva i to su
vrednosti koje želimo da delimo sa ljudima u Beogradu, Novom Sadu kao i celoj
Srbiji."/>
        <meta name="author" content="Predrag Ilijev"/>
        <meta name="keywords" content="sladoled ukus hladan sladak osveženje"/>
        <title>Sladoled | Kontakt</title>
        <link rel="stylesheet" href="assets/css/style.css">
        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">
        <link rel="icon" href="favicon.ico" type="image/x-icon"/>
        <script src="https://kit.fontawesome.com/0bf5cb8e90.js"
crossorigin="anonymous"></script>
    </head>
    <body">
    <header class="darkbg">
        <div class="container">
            <nav class="navbar navbar-expand-lg navbar-dark">
                <a class="navbar-brand" href="index.html">
                    <img src="img/icecream-icon-sm.png" class="img-fluid rounded"
alt="logo">
                </a>
                <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-
expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="navbarNav">
                    <ul class="navbar-nav ml-auto" id="menu">
                    </ul>
                </div>
            </nav>
        </div>
    </header>
    <div class="w-100">
        <iframe
```

```html
            src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d387193.305
96698663!2d-74.2598677373
            9224!3d40.697149413874705!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3
!1m2!1s0x89c24fa5d33f083b
            %3A0xc80b8f06e177fe62!2z0IrRg9GY0L7RgNC6LCDQodGY0LXQtNC40ZrQtdC90LUg0
JTRgNC20LDQstC1!5e0!3m2!1
            ssr!2srs!4v1645348197485!5m2!1ssr!2srs" height="450" style="border:0;
width: 100%;"
            allowfullscreen="" loading="lazy"></iframe>
    </div>
    <div class="container mt-5">
        <div class="row d-flex justify-content-center" id="contact-form">
            <div class="col-md-12">
                <div class="section-heading text-center">
                    <h2>Send us a Message</h2>
                </div>
            </div>
            <div class="container py-5">
                <div class="row py-5">
                    <form class="col-md-9 m-auto" method="post" role="form"">
                        <div class="row">
                            <div class="form-group col-md-6 mb-3">
                                <label for="inputname">Name</label>
                                <input type="text" class="form-control mt-1"
id="name" name="name"

                                    placeholder="Name">
                                <span id="errName" class="err"></span>
                            </div>
                            <div class="form-group col-md-6 mb-3">
                                <label for="inputemail">Email</label>
                                <input type="email" class="form-control mt-1"
id="email" name="email"

                                    placeholder="Email">
                                <span id="errEmail" class="err"></span>
                            </div>
                        </div>
                        <div class="mb-3">
                            <label for="inputsubject">Subject</label>
                            <input type="text" class="form-control mt-1"
id="subject" name="subject"

                                placeholder="Subject">
                            <span id="errSubject" class="err"></span>
                        </div>
                        <div class="mb-3">
                            <label for="inputmessage">Message</label>
```

```
                                    <textarea class="form-control mt-1" id="message"
name="message"
                                        placeholder="Message"
                                        rows="8"></textarea>
                                    <span id="errMessage" class="err"></span>
                                </div>
                                <div class="row">
                                    <div class="col text-end mt-2">
                                        <button type="button" name="form-submit"
id="form-submit" class="btn
                                            btn-dark btn-lg px-3">Let's Talk</button>
                                    </div>
                                </div>
                                <div id="response" class="mt-3"></div>
                            </form>
                        </div>
                    </div>
                </div>
            </div>
            <footer class="darkbg">
                <div class="container pt-5">
                    <div class="row d-flex align-items-center">
                        <div class="col-12 col-lg-6 pb-3 text-center">
                            <ul>
                                <li> <a href="index.html">POČETNA</a> </li>
                                <li class="pt-1"> <a href="shop.html">SHOP</a> </li>
                                <li class="pt-1"> <a href="contact.html">KONTAKT</a>
</li>
                                <li class="pt-1"> <a href="cart.html"><i class='fas fa-
shopping-cart' aria-hidden='true'></i> KORPA</a> </li>
                            </ul>
                        </div>
                        <div class="col-12 col-lg-6 pb-5 text-center">
                            <p>Naše društvene mreže:</p>
                            <a class="p-2" href="https://www.facebook.com/"
target="_blank"> <i id="first" class="fab fa-facebook-f"></i></a>
                            <a class="p-2" href="https://twitter.com/" target="_blank"><i
class="fab fa-twitter"></i></a>
                            <a class="p-2" href="https://www.instagram.com/"
target="_blank"><i class="fab fa-instagram"></i></a>
                        </div>
                        <div class="col-12 text-center">
                            <p>Copyright 2022 &copy; Predrag Ilijev</p>
                        </div>
                    </div>
```

```
        </div>
      </footer>
      <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
      <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></scri
pt>
      <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js
"></script>
      <script src="assets/js/main.js"></script>
    </body>
</html>
</html>
```

3.1.4   cart.html

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8"/>
        <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
        <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
        <meta name="description" content="Verujemo da je sladoled, pored divne
poslastice, proizvod koji dovodi do osećaja čiste radosti i zadovoljstva i to su
vrednosti koje želimo da delimo sa ljudima u Beogradu, Novom Sadu kao i celoj
Srbiji."/>
        <meta name="author" content="Predrag Ilijev"/>
        <meta name="keywords" content="sladoled ukus hladan sladak osveženje"/>
        <title>Sladoled | Korpa</title>
        <link rel="stylesheet" href="assets/css/style.css">
        <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">
        <link rel="icon" href="favicon.ico" type="image/x-icon"/>
        <script src="https://kit.fontawesome.com/0bf5cb8e90.js"
crossorigin="anonymous"></script>
    </head>
    <body">
    <header class="darkbg">
        <div class="container">
            <nav class="navbar navbar-expand-lg navbar-dark">
                <a class="navbar-brand" href="index.html">
                    <img src="img/icecream-icon-sm.png" class="img-fluid rounded"
alt="logo">
```

```html
                </a>
                <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-
expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="navbarNav">
                    <ul class="navbar-nav ml-auto" id="menu">
                    </ul>
                </div>
            </nav>
        </div>
    </header>
    <div class="container">
        <div class="row d-flex" id="cart-form">
            <form class="form col-lg-3 mt-5 mb-5">
                <div class="form-group mb-3">
                    <label for="ordername">Ime i prezime:</label>
                    <input type="text" class="form-control mt-1" id="ordername"
name="ordername"
                        placeholder="Puno ime">
                    <span id="errOrderName" class="err"></span>
                </div>
                <div class="form-group mb-3">
                    <label for="address">Adresa:</label>
                    <input type="text" class="form-control mt-1" id="address"
name="address"
                        placeholder="Vaša adresa">
                    <span id="errAddress" class="err"></span>
                </div>
                <div class="form-group mb-3">
                    <label for="credit-card">Broj kreditne kartice:</label>
                    <input type="text" class="form-control mt-1" id="credit-card"
                        name="credit-card" placeholder="Broj vaše kartice">
                    <span id="errCreditCard" class="err"></span>
                </div>
            </form>
            <div class="col-lg-9" >
                <div id="cart"></div>
                <p id="cart-info"></p>
            </div>
        </div>
    </div>
    <footer class="darkbg">
        <div class="container pt-5">
```

```html
            <div class="row d-flex align-items-center">
                <div class="col-12 col-lg-6 pb-3 text-center">
                    <ul>
                        <li> <a href="index.html">POČETNA</a> </li>
                        <li class="pt-1"> <a href="shop.html">SHOP</a> </li>
                        <li class="pt-1"> <a href="contact.html">KONTAKT</a>
</li>

                        <li class="pt-1"> <a href="cart.html"><i class='fas fa-
shopping-cart' aria-hidden='true'></i> KORPA</a> </li>
                    </ul>
                </div>
                <div class="col-12 col-lg-6 pb-5 text-center">
                    <p>Naše društvene mreže:</p>
                    <a class="p-2" href="https://www.facebook.com/"
target="_blank"> <i id="first" class="fab fa-facebook-f"></i></a>
                    <a class="p-2" href="https://twitter.com/" target="_blank"><i
class="fab fa-twitter"></i></a>
                    <a class="p-2" href="https://www.instagram.com/"
target="_blank"><i class="fab fa-instagram"></i></a>
                </div>
                <div class="col-12 text-center">
                    <p>Copyright 2022 &copy; Predrag Ilijev</p>
                </div>
            </div>
        </div>
    </footer>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></scri
pt>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js
"></script>
    <script src="assets/js/main.js"></script>
    </body>
</html>
```

3.2   CSS

```css
:root{
    --main-dark: #020307;
    --main-light:#8f8fa3;
    --main-grey: #e6e6e6;
}
@import url('https://fonts.googleapis.com/css2?family=Water+Brush&display=swap');
* {
    padding: 0px;
    margin: 0px;
    scroll-behavior: smooth;
}

body ul {
    list-style-type: none;
}

body a {
    text-decoration: none !important;
    color: gray;
}

body a:hover {
    color: #3b3b3b;
}

body #deskripcija {
    background-color: #202020;
    background-image: url("../../img/blurred.jpg");
    background-repeat: no-repeat;
    background-size: cover;
}

body main {
    background-color: rgb(233, 233, 233);;
}

body .sivo {
    background-color: #e9e9e9;
}

.slider h2 {
    font-family: 'Water Brush', cursive !important;
```

```css
}

.card{
    height: max-content !important;
}

#sortingPanel{
    margin-top: 100px !important;
}

#cart{
    margin-top: 70px !important;
}

.team-members{
    margin-top: 70px !important
}

#contact-form{
    margin-top: 80px !important
}

.error{
    border: 1px solid #ff0000 !important;
}

.ok{
    border: 1px solid #00FF00 !important;
}

.err{
    font-size: 12px !important;
    color: #ff0000 !important;
}

#info img{
    width: 100%;
}

#cart-form{
    margin-top: 100px !important;
}

#about{
    margin-top: 80px !important;
```

```css
}

#bio{
    margin-top: 80px !important;
}

.darkbg {
    background-color: #050505;
}

.titlovi {
    font-family: 'Raleway', sans-serif !important;
    font-size: 3rem !important;
}

.carousel-caption {
    position: relative;
    top: 0;
}

.carousel-caption h2 {
    font-family: 'Raleway', sans-serif;
    font-size: 4rem;
}

#items img {
    padding-left: 10px;
    padding-right: 10px;
    padding-top: 10px;
}

.modal-tekst {
    background-color: #e9e9e9;
}

.bgtitle2 {
    background-color: #202020;
    background-image: url("../../img/bg-voce.jpg");
    background-repeat: no-repeat;
    background-size: cover;
    background-position: 20%;
}
.bgtitle2 h2 {
    font-family: 'Water Brush', cursive !important;
}
```

```css
.blur {
    background-color: rgba(255, 255, 255, 0.534) !important;
    backdrop-filter: blur(5px);
    -webkit-backdrop-filter: blur(5px);
    -moz-backdrop-filter: blur(5px);
}

footer p {
    color: #464646;
}

@media (max-width: 991.98px) {
    .carousel-caption {
    position: relative;
    top: 15px;
    }
    .carousel-caption h2 {
    font-size: 2rem;
    }
    .titlovi {
    font-size: 2rem !important;
    }
    #items img {
    padding-left: 20px;
    padding-right: 20px;
    }
}

@media (max-width: 575.98px) {
    #items .row {
    padding-left: 35px;
    padding-right: 35px;
    }
    #items .row img {
    padding-left: 80px;
    padding-right: 80px;
    }
}
```

3.3 JAVASCRIPT + JQUERY

```javascript
var menu = [];
var allProducts = [];
var categories = [];
var url = window.location.href;

//function for fetching data from json
function fetchData(file, callback) {
    fetch("assets/data/" + file)
        .then(response => response.json())
        .then(data => callback(data))
        .catch(err => console.log(err));
}

function getAllProducts(data) {
    data.forEach(el => {
        allProducts.push(el);
        //console.log(el);
    });
    // console.log(allProducts);
    setItemToLS("allProducts", allProducts);
}
//local storage functions
function setItemToLS(name, data) {
    localStorage.setItem(name, JSON.stringify(data));
}

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

function removeItemFromLS(name) {
    return localStorage.removeItem(name);
}
//display functions global
function displayNav(data) {
    let html = "";
    data.forEach(el => {
        html += `<li class="nav-item">
        <a class="nav-link" href="${el.href}">${el.text}</a>
        </li>`;
        menu.push(el);
    });
    $("#menu").html(html);
```

```javascript
}
//checking for any products in cart
function anyInCart() {
    return getItemFromLS("products");
}
//function for validating single input
function validateInput(regEx, element, err, errMess) {
    if (!$(element).val().match(regEx)) {
        $(element).addClass("error");
        $(err).html(errMess);
        return false;
    } else {
        $(element).removeClass("error");
        $(element).addClass("ok");
        $(err).html("");
        return true;
    }
}
//regex
var reName = /^[A-ZČĆŠĐŽ][a-zčćšđž]{2,19}(\s[A-ZČĆŠĐŽ][a-zčćšđž]{2,19})*$/;
var reEmail = /^[\w\.\-]+\@([a-z0-9]+\.)+[a-z]{2,3}$/;
var reSubject = /^([1-zćčžđšA-ZČĆŠĐŽ0-1@.\s]{2,20})$/;
var reAddress = /^([A-ZČĆŠĐŽ]|[1-9]{1,5})[A-ZČĆŠĐŽža-zčćšđž\d\-\.\s]+$/;
var reMessage = /^([1-zćčžđšA-ZČĆŠĐŽ0-1@.\s]{2,255})$/;
var reAddress = /^([A-ZČĆŠĐŽ]|[1-9]{1,5})[A-ZČĆŠĐŽža-zčćšđž\d\-\.\s]+$/;
var reCreditCard = /^[0-9]{16}$/;
var messName = "Name must begin with capital letter";
var messEmail = "Email must contain @ sign";
var messSubject = "Subject can contain 20 characters";
var messMessage = "Message can contain 255 characters";
var messAddress = "Please eneter your address";
var messCreditCard = "Credit card contains 16 digits";
window.onload = function() {
    try {
        fetchData("nav.json", displayNav);
        fetchData("products.json", getAllProducts);
    } catch (e) {
        $(".error").html(e.message());
    }

    if (url == "http://127.0.0.1:5500/shop.html") {
    // if (url == "http://localhost/wp2sajt1/shop.html") {
        //if (url == "https://safirawp2.netlify.app/shop.html") {
        try {
            fetchData("categories.json", displayCategories);
```

```
        fetchData("products.json", displayProducts);
    } catch (e) {
        $(".error").html(e.message);
    }
    $("#sort").change(filterChange);
    $("#search").keyup(filterChange);

    function filterChange() {
        fetchData("products.json", displayProducts);
    }
    //display functions
    function displayCategories(data) {
        let html = "";
        data.forEach(el => {
            html += `<li class="list-group-item">
            <input type="checkbox" value="${el.id}" class="category"
            name="categories"/> ${el.name}
            </li>`;
            categories.push(el);
        });
        $("#categories").html(html);
        $('.category').change(filterChange);
    }

    function displayProducts(data) {
        data = filterByCategory(data);
        data = sorting(data);
        data = search(data);
        let html = "";
        if (data.length == 0) {
            html += `<p class="alert alert-danger">There is no products for
selected category</p>`;
        } else {
            data.forEach(el => {
                html += `<div class="col-lg-4 col-sm-6 mb-5 mt-lg-0 mt-5">
                <div class="card text-center">
                    <img src="img/${el.image.src}" class="card-img-top p-3"
alt="${el.name}">
                    <div class="card-body">
                        <h5 class="card-title font-weight-bold">${el.name}</h5>
                        <p class="card-text">${el.price.new} RSD</p>
                        <del>${el.price.old} RSD</del>
                        <p class="card-text">${stars(el.stars)}</p>
```

```
                        <button type="button" class="btn btn-dark btnCart"
data-id="${el.id}" data-toggle="modal" data-target="#exampleModal">Dodaj u
korpu</button>
                    </div>
                </div>
            </div>`;
            });
        }
        $("#products").html(html);
        $(".btnCart").on("click", addToCart);
    }

    function stars(data) {
        let html = "";
        for (let i = 0; i < data; i++) {
            html += `<i class="fas fa-star"></i>`;
        }
        for (let i = 0; i < 5 - data; i++) {
            html += `<i class="far fa-star"></i>`;
        }
        return html;
    }

    function filterByCategory(data) {
        let selectedCategories = [];
        $('.category:checked').each(function(el) {
            selectedCategories.push(parseInt($(this).val()));
        });
        if (selectedCategories.length != 0) {
            return data.filter(x =>
selectedCategories.includes(x.categoryID));
        }
        return data;
    }

    function sorting(data) {
        let sortingType = $("#sort").val();
        if (sortingType == 'ascName') {
            return data.sort((a, b) => a.name > b.name ? 1 : -1);
        } else if (sortingType == 'descName') {
            return data.sort((a, b) => a.name < b.name ? 1 : -1);
        } else if (sortingType == 'ascPrice') {
            return data.sort((a, b) => a.price.new > b.price.new ? 1 : -1);
        } else if (sortingType == 'descPrice') {
            return data.sort((a, b) => a.price.new < b.price.new ? 1 : -1);
```

```javascript
        } else if (sortingType == 'ascRates') {
            return data.sort((a, b) => a.stars > b.stars ? 1 : -1);
        } else if (sortingType == 'descRates') {
            return data.sort((a, b) => a.stars < b.stars ? 1 : -1);
        }
    }

    function search(data) {
        let searchValue = $("#search").val().toLowerCase();
        if (searchValue) {
            return data.filter(function(el) {
                return el.name.toLowerCase().indexOf(searchValue) !== -1;
            })
        }
        return data;
    }
    //function addToCart
    function addToCart() {
        var id = $(this).data('id');
        var productsLS = anyInCart();
        if (!productsLS) {
            let productsLS = [];
            productsLS[0] = { //adding the first one
                id: id,
                quantity: 1
            };
            setItemToLS("products", productsLS);
        } else {
            if (!findInLocalStorage(productsLS, id)) {
                addToLocalStorage(id) //adding the different one
                //console.log("tu")
            } else {
                updateQuantity(id); //if product alrady exist in cart,
updating quantity
            }
        }
    }
    //finding product in local storage
    function findInLocalStorage(prod, id) {
        return prod.find(p => p.id == id);
    }
    //adding product in cart
    function addToLocalStorage(id) {
        let productsLS = anyInCart();
        productsLS.push({
```

```javascript
                id: id,
                quantity: 1
            });
            setItemToLS("products", productsLS);
        }
        //if product already exist in cart, update quantity
        function updateQuantity(id) {
            let productsLS = anyInCart();
            productsLS.forEach(el => {
                if (el.id == id)
                    el.quantity++;
            });
            setItemToLS("products", productsLS);
        }
    }
    if (url == "http://127.0.0.1:5500/cart.html") {
    // if (url == "http://localhost/wp2sajt1/cart.html") {
        //if (url == "https://safirawp2.netlify.app/cart.html") {
        function displayCart() {
            let html = `
                <div id="orderTable">
                <table class="table table-responsive">
                <thead>
                <tr>
                <td>Ime sladoleda</td>
                <td>Slika</td>
                <td>Cena</td>
                <td>Kolicina</td>
                <td>Suma</td>
                </tr>
                </thead>`;
            let productsLS = getItemFromLS("products");
            var products = getItemFromLS("allProducts");
            // console.log(productsLS);
            // console.log(products);
            products = products.filter(el => {
                for (let p of productsLS) {
                    if (el.id == p.id) {
                        el.quantity = p.quantity;
                        return true;
                    }
                }
            });
            products.forEach(el => {
                html += `<tbody>
```

```
                        <tr>
                            <td><p>${el.name}</h5></p>
                            <td>
                                <img src="img/${el.image.src}"
alt="${el.name}" class="img-thumbnail"
                                width="100"/>
                            </td>
                            <td class="price">${el.price.new} RSD</td>
                            <td class="quantity">
                                <input class="formcontrol quantityInput"
type="number" value="${el.quantity}">
                            </td>
                            <td class="productSum">${parseFloat(el.price.new
* el.quantity)} RSD</td>
                        </tr>
                    </tbody>`;
        });
        html += `<table>
        </div>
        <div class="container">
        <div class="row d-flex justify-content-end" id="controls">
        <p id="totalSum" class="m-2">Totalna suma: ${sum(products)} RSD</p>
        <button id="purchase" class="btn btn-primary m-2">Kupi</button>
        <button id="removeAll" class="btn btn-dark m-2">Izbrisi sve</button>
        </div>
        </div>`;
        $("#cart").html(html);
        $("#purchase").click(validateCart);
        $("#removeAll").click(removeAll);
    }
    //calculating total price of one product in cart
    function sum(data) {
        let sum = 0;
        data.forEach(el => {
            sum += parseFloat(el.price.new * el.quantity);
        });
        return sum;
    }
    check(getItemFromLS("products"));
    //function for checking if there is any products in cart
    function check(productsInCart) {
        if (productsInCart) {
            if (productsInCart.length) {
                displayCart();
                $(".quantityInput").change(quantityChange);
```

```
            } else
                showEmptyCart();
        } else
            showEmptyCart();
    }

    function showEmptyCart() {
        $("#cart").html("<p class='text-center p-5 alert-danger'>Nema
proizvoda u korpi</p>");
    }

    function removeAll() {
        removeItemFromLS("products");
        location.reload();
    }

    function update() {
        var productSum = document.querySelectorAll(".productSum");
        var price = document.querySelectorAll(".price");
        var quantitySum = document.querySelectorAll(".quantityInput");
        var totalSumforAll = document.querySelector("#totalSum");
        var totalSumForOne = 0;
        for (let i = 0; i < price.length; i++) {
            var priceone = price[i].innerHTML.replace('$', '');
            productSum[i].innerHTML = (Number(priceone) *
Number(quantitySum[i].value)).toFixed(2) +
                    "$";
            totalSumForOne += Number(priceone) *
Number(quantitySum[i].value);
        }
        totalSumforAll.innerHTML = "Total Sum:" +
parseFloat(totalSumForOne).toFixed(2) + "$";
    }

    function quantityChange() {
        if (this.value > 0) {
            update();
        } else {
            this.value = 1;
        }
    }
    $("#ordername").blur(function() {
        validateInput(reName, "#ordername", "#errOrderName", messName);
    });
    $("#address").blur(function() {
```

```javascript
            validateInput(reAddress, "#address", "#errAddress", messAddress);
        });
        $("#credit-card").blur(function() {
            validateInput(reCreditCard, "#credit-card", "#errCreditCard",
messCreditCard);
        });

        function validateCart() {
            var errors1 = 0;
            if (!validateInput(reName, "#ordername", "#errOrderName", messName))
{
                errors1++;
            }
            if (!validateInput(reAddress, "#address", "#errAddress",
messAddress)) {
                errors1++;
            }
            if (!validateInput(reCreditCard, "#credit-card", "#errCreditCard",
messCreditCard)) {
                errors1++;
            } else {
                if (errors1 == 0) {
                    console.log('upalo');
                    return buy();
                }
            }
        }

        function buy() {
            localStorage.removeItem("products");
            showEmptyCart();
            $("#cart").html("<p class='alert-success p-5'>Your order has been
placed</p>");
        }
    }
    if (url == "http://127.0.0.1:5500/contact.html") {
        // console.log("stranica contact")
    // if (url == "http://localhost/wp2sajt1/contact.html") {
        //if (url == "https://safirawp2.netlify.app/contact.html") {
        $("#name").blur(function() {
            validateInput(reName, "#name", "#errName", messName);
        });
        $("#email").blur(function() {
            validateInput(reEmail, "#email", "#errEmail", messEmail);
        });
```

```javascript
        $("#subject").blur(function() {
            validateInput(reSubject, "#subject", "#errSubject", messSubject);
        });
        $("#message").blur(function() {
            validateInput(reMessage, "#message", "#errMessage", messMessage);
        });
        var inputName = $("#name");
        var inputEmail = $("#email");
        var inputSubject = $("#subject");
        var inputMessage = $("#message");
        // console.log("forma");
        $("#form-submit").click(validateForm);
        var errors = 0;

        function validateForm() {
            if (!validateInput(reName, inputName, "#errName", messName)) {
                errors++;
            }
            if (!validateInput(reEmail, inputEmail, "#errEmail", messEmail)) {
                errors++;
            }
            if (!validateInput(reSubject, inputSubject, "#errSubject",
messSubject)) {
                errors++;
            }
            if (!validateInput(reMessage, inputMessage, "#errMessage",
messMessage)) {
                errors++;
            } else {
                errors = 0;
            }
            console.log(errors);
            if (errors == 0) {
                $("#response").html("<p class='alert alert-success'>Your message
was sent</p>")
            }
        }
        $("#form-submit").click(validateForm);
    }
}
```