Visoka skola strukovnih studija za informacione i komunikacione tehnologije

Dokumentacija

https://pcking.netlify.com/

Predmet:Web programiranje 1

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SADRŽAJ

1. UVOD

1.1 Korišćeni programski jezici i okruženja

- HTML/HTML5
- CSS/CSS3
- JavaScript
- JQuery
- Visual Studio Code
- PhotoShop

1.2 Opis funkcionalnosti

- Navigacioni meni i footer koji se dinamički ispisuju podacima iz JavaScript-a
- Slider sa slikama koje smenjuju svakih 5 sekundi naprvaljen u JavaScript-u sa dugmicima za kretanje napred ili nazad
- Dinamičko ispisivanje proizvoda i njihovih slika podacima iz JavaScripta-a
- Prelaskom misa preko slike prozivoda pomoću JQuery-ija pojavljuju se dva tastera za dodatne opcije
- Klikom na sliku i proizvoda ili na taster Details prikazuju se detalji datog proizvoda
- Klikom na dugme u donjem desnom uglu vraca se na pocetak stranice uz animaciju koja traje 800ms.Efekat skrola urađen u JQuery-ju
- Mogućnost filtriranja proizvoda na sajtu klikom na ordređenu kategoriju.Urađeno u JavaScript-u
- U delu sajta About us klikom na strelicu ili na naslov pomoću JQuery-ija otvara se dodatni tekst
- U delu sajta Contact pomoću regularnih izraza vrsi se provera unetog maila klikom na dugme Subscribe
- Na stranici contact.html pomoću regularnih izraza vrsi se provera unetog sadržaja

1.3 Template

Za izradu ovog sajta nije korišćen nijedan gotovi template.Listing
koda koja kreira stranicu priložen je u nastvaku dokumenta.

2. Organizacija

2.1 Organizaciona šema

| index.html | ⟷ | contact.html |
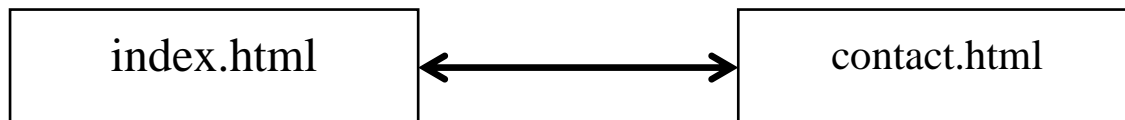
Mapa sajta

```xml
<?xml version="1.0"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <url>
        <loc>https://pcking.netlify.com/</loc>
        <lastmod>2019-11-28</lastmod>
        <changefreq>weekly</changefreq>
        <priority>1</priority>
    </url>
    <url>
        <loc>https://pcking.netlify.com/contact.html</loc>
        <lastmod>2019-11-28</lastmod>
        <changefreq>yearly</changefreq>
        <priority>0.3</priority>
    </url>
</urlset>
```
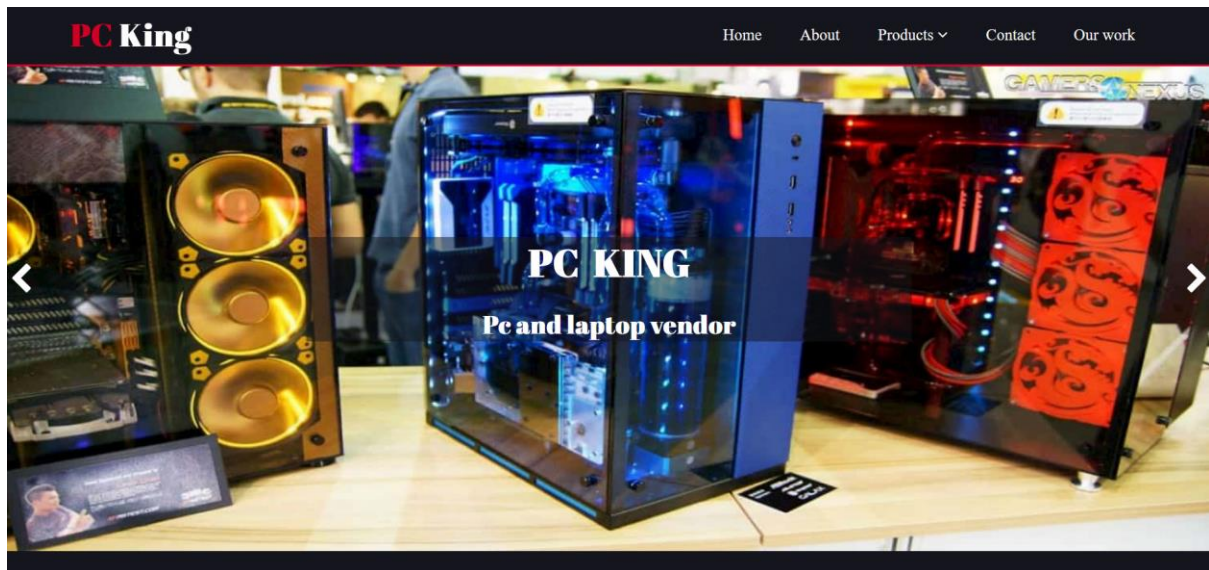
2.2 Slike stranica i opisi funkcionalnosti

U nastavku će biti prolzeni print screen ekrana I kraktak objašnjenja za sve logičke celine sajta.

2.2.1 index.html-Home

U ovom delu sajta se nalazi navigacioni meni čiji se članovi dinamički ispisuju na osnovu podataka iz JavaScript-a.Ispod menija se nalazi slider sa slikama koje se menjaju na svakih 5 sekundi.

2.2.2 index.html-About
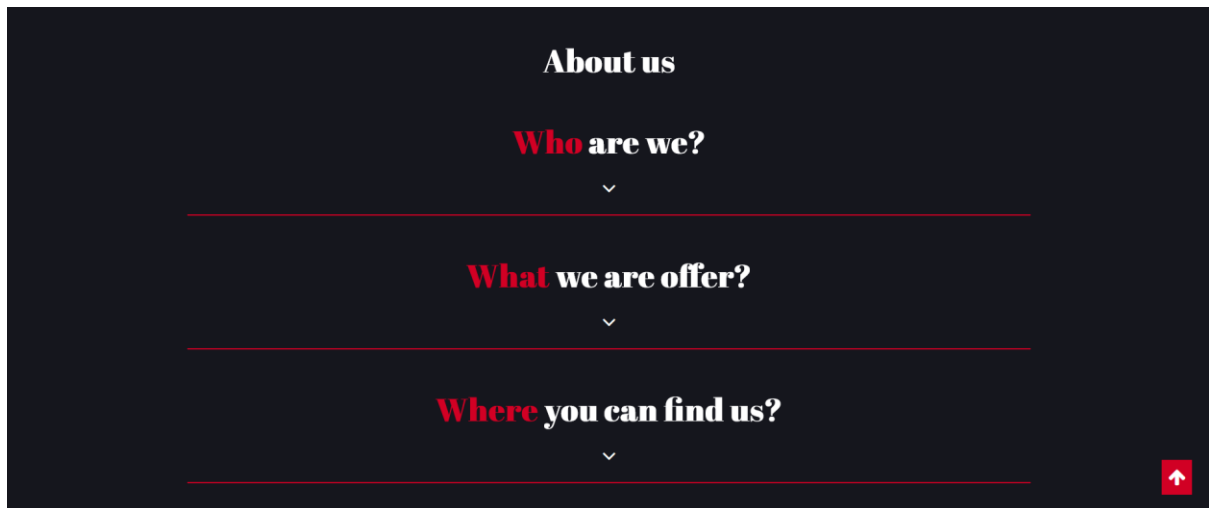
U ovom delu sajta se nalaze tekstovi sa informacijama o temi sajta.Klikom na strelicu na dole ili na neki od naslova pomoću JQuery-ija otvara se dodatni tekst sa još informacija.Klikom na strelicu u uglu vraćamo se na početak strane.

2.2.3 index.html-Best Sellers

U ovom delu sajta se nalaze najprodavaniji proizvodi.Prozivodi se dinamčki ispisuju na osnovu podatak iz JavaScript-a.Prelaskom miša preko slike proizvoda jQuery animacijom se pojavljuju dva tastera:Details i Buy Now.

2.2.4 index.html-Products
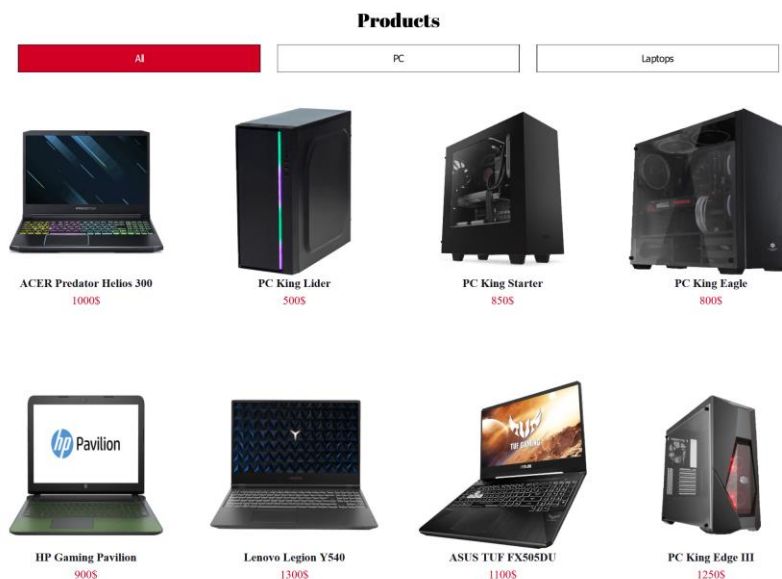
U ovom delu sajta se nalaze svi proizvodi u ponudi sajta. Prozivodi se dinamčki ispisuju na osnovu podatak iz JavaScript-a.Iznad se nalaze opcije za filtriranje sadržaja,filtriranje je urađeno pomoću JavaScript-a. Prelaskom miša preko slike proizvoda jQuery animacijom se pojavljuju dva tastera:Details i Buy Now.
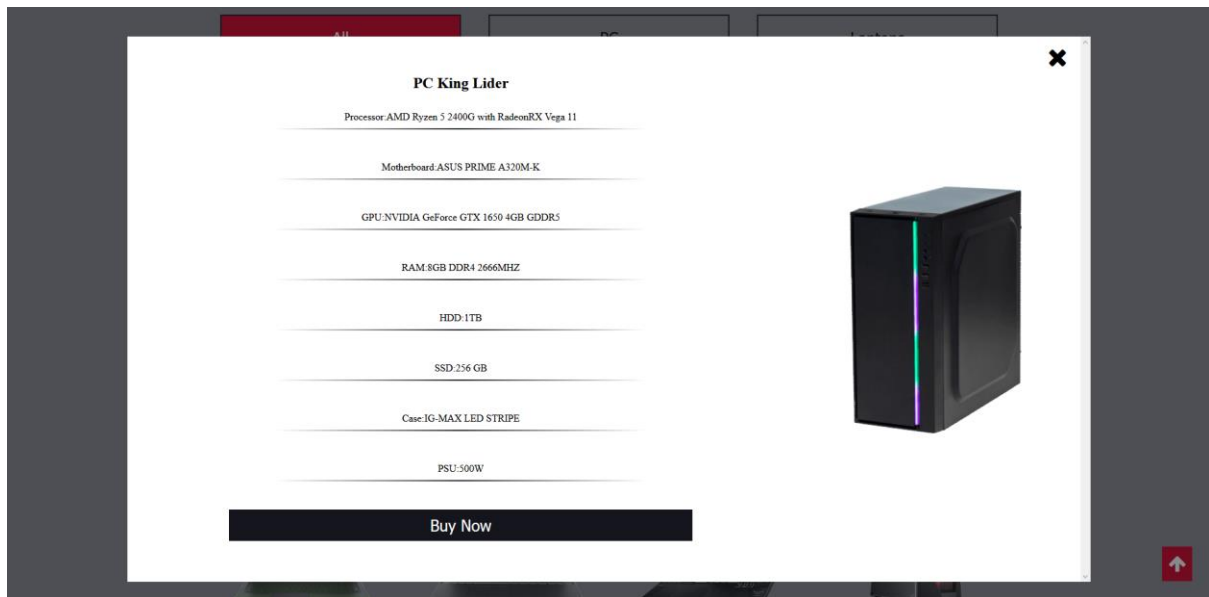
Klikom na dugme Details ili klikom na sliku proizvoda preko
postojeće strane se otvara prozor gde se dinamički ispisuju detalji I
slika datog proizvoda.Klikom na taster Buy Now korisnik se odlazi na
stranicu contact.html.

2.2.5 index.html-Contact
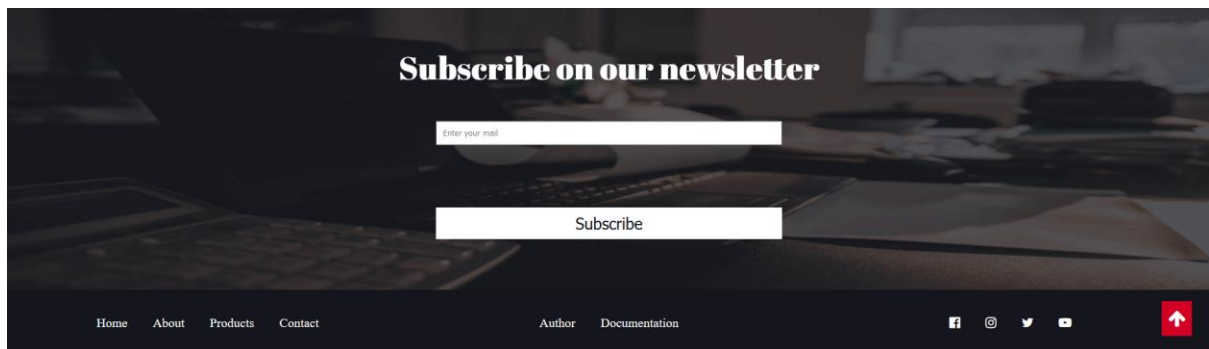
U ovom delu sajta se nalaze:forma sa prijavjivanje na obaveštenja
sajta,gde se je potrebno uneti svoju email adresu.Email adresa se
provera pomoću regularnih izraza.Tu je i footer sa linkovima ka svim
delovima sajta i nalozima sajta na društvenim mrežama.

2.2.6 contact.html

Na stranici contact.html se nalazi forma za naručivanje proizvoda gde je potrebno pravilno popuniti formu.Unos korisnika se provera pomoću regularnih izraza u JavaScript-u.Ukoliko nešto nije dobro uneto, klikom na taster Order, oko tih polja se postavlja crvena bordure i u dnu forme se ispisuje upozorenje.Kada je sav sadržaj pravilno unsen crvene bordure se sklanjaju I dnu forme se ispisuje poruka da je porudžbina uspešna.

3. Kodovi

3.1 HTML

3.1.1 index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta http-equiv="X-UA-Compatible" content="ie=edge" />
    <meta name="description" content="PC KING-
Best PC and Laptops configurations.One of the top rated European suppliers of
computers and laptops.Best for your money." />
    <meta name="keywords" content="pc,computers,king,laptops,best configuratio
ns,components,AMD,INTEL" />
    <title>Pc King</title>
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/queries.css" type="text/css" />
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css" />
    <link href="assets/images/ikonica.ico" rel="shortcut icon" />
</head>
<body>
    <header>
        <div id="scrollTop"><i class="fa fa-arrow-up"></i></div>
        <nav>
            <div id="logo">
                <h1><span id="redHeading">pc</span> King</h1>
            </div>
            <div id="responsive"><i class="fa fa-navicon"></i></div>
            <div id="nav">
                <ul id="menu"></ul>
            </div>
        </nav>
        <section id="slider">
            <span id="next"><i class="fa fa-chevron-right"></i></span>
            <span id="prev"><i class="fa fa-chevron-left"></i></span>
            <div id="slideImg">
                <div class="message">
                    <h1></h1>
                    <h2></h2>
                </div>
            </div>
        </section>
```

```html
        </header>
    <main>
        <section id="about">
            <article id="textAbout">
                <h2>About us</h2>
            </article>
        </section>
        <section id="bestSellers">
            <h2>Best sellers</h2>
            <div id="wrapper"></div>
        </section>
        <section id="products">
            <h2>Products</h2>
            <button class="filterbtn filterActive" id="filterAll">All</button>
            <button class="filterbtn" id="filterPc">PC</button>
            <button class="filterbtn" id="filterLaptop">Laptops</button>
            <div id="wrapperProduct"></div>
        </section>
        <section id="contact">
            <article id="newsletter">
                <h2>Subscribe on our newsletter</h2>
                <form action="" method="GET" name="newsletter">
                    <input type="text" id="mail" name="mail" placeholder="Ente
r your mail"/><br/>
                    <span id="newsMessage"></span><br/>
                    <input type="button" id="sign" value="Subscribe"/>
                </form>
            </article>
        </section>
    </main>
    <footer>

    </footer>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min
.js"></script>
    <script src="assets/js/main.js"></script>
</body>
</html>
```

3.1.2 contact.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta http-equiv="X-UA-Compatible" content="ie=edge" />
```

```html
    <meta name="description" content="PC KING-
Best PC and Laptops configurations.One of the top rated European suppliers of
computers and laptops.Please fill form to order your products." />
    <meta name="keywords" content="order,form,name,pay,contact" />
    <title>Pc King</title>
    <link rel="stylesheet" href="assets/css/style.css" type="text/css" />
    <link rel="stylesheet" href="assets/css/queries.css" type="text/css" />
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css" />
    <link href="assets/images/ikonica.ico" rel="shortcut icon" />
</head>
<body>
    <nav>
            <div id="logo">
                <h1><span id="redHeading">pc</span> King</h1>
            </div>
            <div id="responsive"><i class="fa fa-navicon"></i></div>
            <div id="nav">
                <ul id="menu"></ul>
            </div>
        </nav>
        <main id="order">
            <h2>Order form:</h2>
            <section id="orderForm">
                <form action="" method="GET" name="orderForm" id="form">
                    <div class="personalInfo">
                        <label for="fullname">Name<span class="required">*</sp
an></label>
                        <input type="text" name="fullName" id="fullname" place
holder="John Doe"/>
                    </div>
                    <div class="personalInfo">
                        <label for="mail">Email<span class="required">*</span>
</label>
                        <input type="text" name="mail" id="mail" placeholder="
yourmail@gmail.com"/>
                    </div>
                    <div class="personalInfo">
                        <label for="city">City<span class="required">*</span><
/label>
                        <input type="text" name="city" id="city" placeholder="
Your city"/>
                        <label for="zip">Zip</label>
                        <input type="text" name="city" id="zip" placeholder="A
A99 9A"/>
                    </div>
                    <div class="personalInfo">
```

```html
                        <label for="address">Address<span class="required">*</span></label>
                        <input type="text" name="address" id="address" placeholder="Your Address" />
                    </div>
                    <div class="personalInfo">
                        <label>Mobile</label>
                        <input type="text" name="mob1" class="mobile" placeholder="07X XXXXXXX"/>
                    </div>
                    <div id="pay">
                        <div>
                            <span>Payment method <span class="required">*</span></span><br/>
                            <input type="radio" name="paymethod" id="cod" /><label for="cod">Cash on delivery</label>
                            <input type="radio" name="paymethod" id="card" /><label for="card">Online</label>
                        </div>
                        <div id="additional">
                            <select name="creditCard" id="creditCard"></select>
                            <label for="cardNumber">Card number</label>
                            <input type="text" id="cardNumber" name="cardNumber" placeholder="XXXX XXXX XXXX XXXX"/>
                        </div>
                    </div>
                    <div id="finish">
                        <input type="checkbox" name="terms" id="terms" />
                        <label for="terms">I accept Terms of use</label><br/>
                        <p>Please accept Terms of use</p>
                        <button type="button" id="submit">Order</button>
                    </div>
                    <div id="finishMessage">
                        <h2></h2>
                    </div>
                </form>
            </section>
        </main>
        <footer>

        </footer>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
    <script src="assets/js/main.js"></script>
</body>
</html>
```

3.2 CSS

3.2.1 style.scss

```scss
@import url('https://fonts.googleapis.com/css?family=Abril+Fatface&display=swap');

$color1:rgb(21,22,29);
$color2:rgb(209,0,36);
$white:#fff;
*{
    margin:0px;
    padding: 0px;
    box-sizing: border-box;
}
@mixin flex {
    display: flex;
    flex-flow: row wrap;
    justify-content: space-around;
}
@mixin button {
    font-size: 25px;
    background-color: $color1;
    color:$white;
    width: 100%;
    margin:5px 0px;
    border: none;
    padding:10px;
    &:hover{
        background-color: $color2;
    }
}
@mixin headingFont {
    font-family: 'Abril Fatface', cursive;
}
@mixin headingSize{
    font-size:50px;
}
a{
    text-decoration: none;
}
ul{
    list-style-type:none;
}
img{
    width: 100%;
}
.bodyAcitve{
    background-color: rgba($color1,0.5);
```

```scss
        overflow: hidden;
}
#scrollTop{
    position: fixed;
    bottom:30px;
    right:30px;
    background: $color2;
    color:$white;
    padding:10px;
    display:none;
    z-index:997;
    font-size:30px;
}
#coverDiv{
    position: fixed;
    width: 100%;
    height: 100%;
    z-index: 998;
    top:0;
    left:0;
    background-color: rgba($color1,0.5);
}
nav{
    @include flex;
    width:100%;
    background-color: $color1;
    border-bottom:3px solid $color2 ;
}

#nav{
    width:50%;
    text-align: right;
}
#logo{
    width: 30%;
    padding: 10px;
    color:$white;

    h1{
        @include headingSize;
        @include headingFont;
    }
}
#redHeading{
    color: $color2;
    text-transform: uppercase;
}
#menu li{
```

```scss
        display: inline-block;
        padding: 30px;
        position: relative;
        a{
            color: $white;
            font-size:25px;
            font-family: 'Prata', serif;
            &::after{
                content: "";
                display: block;
                width: 0;
                background: $color2;
                height: 2px;
                transition: .5s;
            }
            &:hover::after{
                width:100%;
            }
        }
}
#responsive{
    color:$white;
    display: none;
    text-align: right;
    padding:10px 0px;
    i{

        font-size:30px;
    }
}

#podmeni{
    position: absolute;
    width:100%;
    display: none;
    left:0;
    background: $color1;
    text-align: center;
    z-index: 100;
}
//Slider
#slider{
    position: relative;
    width: 100%;
    background: $color1;
}
#next,#prev{
    position: absolute;
```

```scss
        color:$white;
        font-size: 50px;
        z-index: 100;
        top:40%;
}
#next{
        right:10px;
}
#prev{
        left:10px;
}
#slideImg{
        position: relative;
}
.message{
        @include headingFont;
        background-color: rgba($color1,0.5);
        position: absolute;
        width: 50%;
        top:35%;
        text-align: center;
        left:0;
        color:$white;
        z-index:2;
        right:0;
        margin:0px auto;
        h1{
            font-size:60px;
            margin-bottom: 30px;

            word-spacing: 10px;
        }
        h2{
            font-size: 40px;
        }
}
.slideFade{
        animation: fade .8s ease-in-out;
}
.slideMessage{
        animation: slide 1.5s;
}
@keyframes fade{
        0%{
            opacity: 0;
        }
        100%{
            opacity: 1;
```

```scss
        }
}
@keyframes slide{
    0%{
        top:-100%;
    }
    100%{
        top:35%;
    }
}
//About
#about{
    background-color: $color1;
    color:$white;
    padding:30px 0px;


    }
    #textAbout{
        width: 70%;
        margin:0px auto;
        h2{
         @include headingSize;
         @include headingFont;
         text-align: center;
         margin:20px 0px;
        }
        p{
        font-size:25px;
        padding:20px;
        text-align: justify;
    }
    img{
        display: none;
    }
    }
    .textAbout{
        padding:20px;
        position: relative;
        margin:20px 0px;
        border-bottom:2px solid $color2;
        p{
            font-size:25px;
            text-align: justify;
            display: none;
        }
        h2{
            font-size:35px;
            cursor: pointer;
```

```scss
        }
    }
    .plus{
        text-align: center;
        display: block;
        font-size:35px;
        transition: .5s;
        cursor: pointer;
        -webkit-tap-highlight-color: rgba(0,0,0,0);
    }
    .plusActive{
        transform: rotate(-180deg);
    }
    .colorHeading{
        color:$color2;
    }
    //Best Sellers
    #bestSellers{
        text-align: center;
        padding: 20px;
        margin:20px 0px;
        h2{
            @include headingSize;
            @include headingFont;
            color:$color1;
        }
    }
    #wrapper{
        @include flex;
        padding:20px;
        margin:20px auto;
        width:70%;
    }
    .bestSeler{
        width:20%;
        color:$color1;
        position: relative;
        cursor: pointer;
        padding:20px;
        h3{
            font-size: 30px;
        }
        span{
            color:$color2;
            font-size:30px;
            display: block;
            margin-top:10px;
        }
```

```scss
    a{
        color: $color1;
        display: inline;
    }
}
.options{
    margin-top:10px;
    opacity: 0;
    padding:10px;
    transition: .5s;
    border-top:1px solid rgba($color1,0.5);
    button{
        @include button;
        }
}
.optionsOpacity{
    opacity: 1;
}
.buynow{
    @include button;
}
//Products
#products{
    text-align: center;
    margin:30px 0px;
    h2{
        @include headingSize;
        @include headingFont;
    }
}
#wrapperProduct{
    @extend #wrapper;
}
.filterbtn{
    display: inline-block;
    padding:20px;
    border:2px solid $color1;
    background-color: transparent;
    outline: none;
    border: 2px solid $color1;
    margin:30px 20px;
    font-size:25px;
    transition: .5s;
    width: 20%;
}
.filterActive{
    background:$color2;
    color:$white;
```

```scss
    }
    .fixedDiv{
        @include flex;
        position: fixed;
        width: 80%;
        background-color: $white;
        left:0;
        max-height: 100%;
        right:0;
        overflow-y: scroll;
        margin: 0px auto;
        z-index: 999;
        top:5%;
    }
    .product{
        @extend .bestSeler;
        width:22%;
        cursor: pointer;
    }
    .detailImg{
        width:30%;
        padding:30px;
        justify-content: center;
        display: flex;
        align-items: center;
    }
    .detaliName{
        width:50%;
        text-align: center;
        padding:30px 10px;
        margin:30px auto;
        ul li{
            text-align: center;
            margin:20px auto;
            padding:10px 0px;
            //border-bottom:2px solid $color1;
            &::after{
                content: '';
                display:block;
                width:80%;
                margin:10px auto;
                //background-image: linear-gradient(red, yellow);
                background-image:linear-
gradient(to left,$white,$color1,$white);
                height:2px;
            }
        }
    }
```

```scss
//Contact
#contact{
    background: {
        image:url("../images/newsletter.png");
        size:cover;
        position: center;
    };
    padding: 40px;
}
#newsletter{
    width:60%;
    text-align: center;
    margin:20px auto;
    color:$white;
    h2{
        font-size: 50px;
        @include headingFont;
    }
    input{
        padding:10px;
        width:50%;
        margin:50px auto;
        margin-bottom: 20px;
    }
}
#sign{
    @include button;
    width:20%;
    background-color: $white;
    color:$color1;
    margin:30px 0px;
 }
#newsMessage{
    font-size:25px;
}
//Footer
footer{
    @include flex;
    background-color:$color1;
    align-items: center;
}
#footnav,.social{
    width: 30%;
    color:$white;
    text-align: center;
    padding:20px;
    border: none;
    li{
```

```scss
            display: inline-block;
            padding:20px;
            a{
                color:$white;
                font-size:20px;
            }
        }
    }
    //Order form
    #order{
        background-color:$color1;
        padding:20px;
        h2{
            font-size:60px;
            text-align: center;
            color:$white;
        }
        select,textarea,input{
            padding:0px 10px;
            outline: none;

        }
    }
    #orderForm{
        width:60%;
        background: $white;
        margin: 30px auto;
        border: 2px solid $color2;
        padding: inherit;
    }
    .personalInfo{
        margin:0px auto;
        width:80%;
        padding:10px;
        @include flex;
        input{
            font-size: 25px;
            width:80%;
        }
        label{
            font-size:25px;
            padding:10px;
        }
    }
    #city{
        width:40%;
    }
    #zip{
```

```scss
        width:20%;
    }
    #pay{
        width:80%;
        margin:0px auto;
        padding:20px;
        @include flex;
        span{
            font-size:30px;
        }
        label{
            font-size:20px;
        }
        input{
            margin:20px 10px;
        }
    }
    .pay{
        border: 2px solid $color2;
    }
    #additional{
        padding: 15px 0px;
        select,input{
            padding:10px;
        }
    }
    .close{
    position: absolute;
    top:10px;
    cursor: pointer;
    font-size:40px;
    right:20px;
    }
    #add{
        @include button;
        width: 25%;
        margin:0px auto;
    }
    .hide{
        visibility: hidden;
    }
    #finish{
        text-align: center;
        font-size:25px;
        button{
            @include button;
            width:40%;
            margin-top: 15px;
```

```scss
        }
        p{
            display: none;
            color:$color2;
        }
    }
    .inputError{
        border: 3px solid $color2;
    }
    .required{
        color:$color2;
        margin-left:5px;
    }
    #finishMessage{
        padding:20px;
        h2{
            font-size:30px;
            color: $white;
        }
    }
    .finishCorrect{
        background-color:#73ff38;
    }
    .finishWrong{
        background-color:$color2;
    }
```

3.2.2 queries.scss

```scss
    @media screen and (min-width:1200px) and (max-width:1600px){

    .bestSeler,.product{
        width: 25%;
    }
    .personalInfo{
        width:100%;
        margin:10px auto;
    }
    #footnav{
        width:40%;
    }
}
@media screen and (min-width:800px) and (max-width:1250px){
    #menu li{
        padding:30px 10px;
        a{
            font-size:22px;
        }
```

```css
        }
        .message{
            width: 80%;
            h1{
                font-size: 50px;
            }
            h2{
                font-size: 40px;
            }
        }
        #next,#prev{
            font-size:35px;
        }
        //About
        .textAbout{
            padding: 10px;
        }
        .plus{
            right:10px;
            top:10px;
        }
         //Best Sellers
        .bestSeler,.product{
            width: 50%;
            h3{
                font-size:22px;
            }
        }
        //Contact
        #newsletter{
            width:80%;

            input{
                width: 60%;
            }
            button{
                width: 30%;;
            }
        }
        .fixedDiv{
            top:5%;
        }
          //Details
          .detaliName{
            width:100%;
        }
        .detailImg{
            width: 50%;
```

```css
    }
    //Order form
    #orderForm{
        width:100%;
    }
    .row{
        text-align: center;
        justify-content: center;
    }
    #pay{
        padding:10px;
        width:100%;
        justify-content:center;
        align-items: center;
    }
    #mob1,#mob2{
        width:30%;
    }
    #cod,#card{
        width:5%;
    }
    //Footer
    #footnav,.social{
        li{
            padding: 5px;
        }
    }
    .social{
        margin-left:45px;
    }
    //Order form

}
@media screen and (max-width:800px){
    #scrollTop{
        right:10px;
        bottom:10px;
    }
    #logo{
        width: 50%;
        h1{
            font-size:30px;
        }
    }
    #responsive{
        display: block;
        width:40%;
        padding-right: 20px;
```

```css
}
#podmeni{
    position: relative;
}
#menu{
  display: none;
  text-align: center;
  li{
      display: block;
      padding: 10px;
  }
}
#nav{
    width: 100%;
}
#next,#prev{
    font-size:25px;
}
.message{
    width: 100%;
    top:20%;
    h1{
        font-size:35px;
    }
    h2{
        font-size: 25px;
    }
}
@keyframes slide{
    0%{
        top:-100%;
    }
    100%{
        top:20%;
    }
}
//About
#textAbout{
    width: 100%;
    order:1;
}
.textAbout p{
    word-wrap: break-word;
    word-break: keep-all;
    text-align: left;
    font-size:22px;
    //word-spacing: -5px;
}
```

```scss
.plus{
    right:10px;
}
 //Best Sellers
.bestSeler,.product{
    width: 100%;
    h3{
        font-size:22px;
    }
}
//Contact
#newsletter{
    width:100%;
    h2{
        font-size:30px;
    }
    input{
        width: 100%;
    }
    button{
        width: 70%;;
    }
}
//Details
.fixedDiv{
    top:5%;
}
.detaliName{
    width:100%;
}
.detailImg{
    width: 100%;
}
//Footer
#footnav,.social{
    width:100%;
    li{
        padding:10px;
    }
}
//Order form
#orderForm{
    width:100%;
}
#city,#zip{
    width:100%;
}
#mob1,#mob2{
```

```css
        width:100%;
    }
    .personalInfo input{
        width: 100%;
    }
    #finish{
        button{
            width:100%;
        }

    }
    #pay{
        width:100%;
        padding:10px;
    }

    #creditCard{
        width:100%;
    }
    #additional span{
        margin:20px 0px;
        text-align: center;
    }
}
@media screen and (max-width:600px){
    #logo{
        width: 50%;
        h1{
            font-size:30px;
        }
    }
    #responsive{
        display: block;
        width:40%;
        padding-right: 20px;
    }
    #podmeni{
        position: relative;
    }
    #menu{
      display: none;
      text-align: center;
      li{
          display: block;
          padding: 5px;
      }
    }
    #nav{
```

```scss
                width: 100%;
}
#next,#prev{
    font-size:25px;
}
.message{
    display: none;
}
//About
#textAbout{
    h2{
        font-size:30px
    }
}


.textAbout{
    padding:10px;
    p{
        font-size: 20px;
    }
}
.plus{
    top:50%;
}
//Best Sellers
.wrapper{
    width:100%;
}
.bestSeler,.product{
    width: 100%;
    padding:0px;
    h3{
        font-size:22px;
    }
}
.options{
    padding:0px;
    button{
        font-size:20px;

    }
}
//Products
#products h2{
    font-size:35px;
}
.filterbtn{
    width: 70%;
```

```css
        margin:30px auto;
    }
    #footnav li{
        display: inline-block;
        padding: 10px;
    }
    #finishMessage h2{
        font-size: 20px;
    }
}
```

3.3 JavaScript i jQuery

3.3.1 main.js

```javascript
$(document).ready(function(){
    const loc=window.location.href;
    navWrite(menu);
    footWrite(menu);
    socialWrite(additional);
    socialWrite(social);
    $("#menu li").on("click",function(){
        $(this).find("ul").slideToggle();
    });
    $("#responsive").on("click",function(){
     $("#menu").slideToggle();
});
    //Sprecava da meni prilikom promene velicine browser-a ostane display:none
    $(window).resize(function(){
        if($(this).width()>800 && $("#menu").css("display")=="none"){
            $("#menu").show();
        }
        if($(this).width()<800 && $("#menu").css("display")=="block"){
            $("#menu").hide();
        }
    })

    //Kod za contact.html stranu
    if(loc.indexOf("contact.html")>-1){
        //Objekti forme
        const cardField=document.querySelector("#cardNumber");
        const paymentRadioButtons=document.getElementsByName("paymethod");
        const nameField=document.querySelector("#fullname");
        const mailField=document.querySelector("#mail");
        const cityField=document.querySelector("#city");
        const termOfUse=document.querySelector("#terms");
        const termsMessage=document.querySelector("#finish p");
        const mobileFields=document.querySelectorAll(".mobile");
```

```javascript
    const pay=document.querySelector("#pay");
    const zipField=document.querySelector("#zip");
    const addressField=document.querySelector("#address");
    const cards=["Visa","MasterCard","Discover"];
    $("#cardNumber").addClass("hide");
    $("#creditCard").addClass("hide");
    $("#additional label").addClass("hide");
    for(let i=0;i<paymentRadioButtons.length;i++){
        paymentRadioButtons[i].addEventListener("click",payMethods);
    }
    $("#submit").click(function(){
        finishOrder();
    });
    $("#add").click(function(event){
        event.preventDefault();
    })
    function nameConstraint(){
        //Regex provera ime i prezime(moguce imati vise prezimena)
        const nameRegex=/^[A-Z][a-z]{2,}(\s[A-Z][a-z]{3,})+$/;
        if(nameRegex.test(nameField.value)){
            nameField.classList.remove("inputError");
            return 1;
        }
        else{
            nameField.classList.add("inputError");
            return 0;
        }
    }
    function emailConstraint(){
        //Regex provera mejlove koji pripadaju gmail-u ili yahoo-u
        const mailRegex=/^[a-z\?\.\,\!\&0-9]{5,}\@(gmail|yahoo)\.com$/;
        if(mailRegex.test(mailField.value)){
            mailField.classList.remove("inputError");
            return 1;
        }
        else{
            mailField.classList.add("inputError");
            return 0;
        }
    }
    function cityConstraint(){
        //Regex dozvoljava unos grada od dve reci sa pocetnim velikim slov
om prve reci
        const cityRegex=/^[A-Z][a-z]{2,}(\s[A-Z]{3,})*$/;

        if(cityRegex.test(cityField.value)){
            cityField.classList.remove("inputError");
            return 1;
```

```javascript
        }
        else{
            cityField.classList.add("inputError");
            return 0;
        }
    }
    function zipConstraint(){
        //Regex provera da li je kod unet u formatu AA9A 9AA ili A9 9AA
        const zipRegex=/^[A-Z]{1,2}[0-9]{1,2}[A-Z]?\s[0-9][A-Z]{1,2}$/;

        if(zipRegex.test(zipField.value)){
            zipField.classList.remove("inputError");
            return 1;
        }
        else{
            zipField.classList.add("inputError");
            return 0;
        }
    }
    function addressConstraint(){
        const addresspRegex=/^[A-Z][a-z]{3,}(\s[A-z0-9]{1,})*$/;

        if(addresspRegex.test(addressField.value)){
            addressField.classList.remove("inputError");
            return 1;
        }
        else{
            addressField.classList.add("inputError");
            return 0;
        }
    }
    function mobileConstraint(){
        //Regex vrsi prvoeru za brojeve mobilnih telefona vazecih za Ujedi
njeno Kraljevstvo
        const mobileRegex=/^07[1-57-9]\s[0-9]{8,9}$/;
        for(let i=0;i<mobileFields.length;i++){
            if(mobileRegex.test(mobileFields[i].value)){
                mobileFields[i].classList.remove("inputError");
            }
            else{
                mobileFields[i].classList.add("inputError");
                return 0;
            }
        }
        return 1;
    }
    function payMethods(){
        for(let i=0;i<paymentRadioButtons.length;i++){
```

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```javascript
                    if(paymentRadioButtons[i].checked){
                        const select=document.querySelector("#creditCard");
                        if(paymentRadioButtons[i].id=="card"){
                            select.innerHTML=`<option value="">Choose your credit
card</option>`
                            for(let i of cards){
                                select.innerHTML+=`<option value=${i.toLowerCase()
}>${i}</option>`
                            }
                            select.addEventListener("change",creditCard);
                            select.classList.remove("hide");
                        }
                        else{
                            select.classList.add("hide");
                            document.querySelector("#cardNumber").classList.add("h
ide");
                            document.querySelector("#additional label").classList.
add("hide");
                        }
                    }
                }
            }
        }
        function payConstraint(){
            const cardNumberRegex=/^([0-9]{4}\s){3}[0-9]{4}$/;
            for(let i=0;i<paymentRadioButtons.length;i++){
                if(paymentRadioButtons[i].checked){
                if(paymentRadioButtons[i].id=="card"){
                    if(creditCard()){
                        if(cardNumberRegex.test(cardField.value)){
                            cardField.classList.remove("inputError");
                            pay.classList.remove("pay");
                            return 1;
                        }
                        else{
                            cardField.classList.add("inputError");
                            return 0;
                        }
                    }
                    else{
                      pay.classList.add("pay");
                      return 0;
                    }
                }
                pay.classList.remove("pay");
                return 1;
            }
        }
            pay.classList.add("pay");
```

```javascript
            return 0;
        }
        function creditCard(){
            const creditCards=document.querySelector("#creditCard");
            if(creditCards.value!=""){
                document.querySelector("#cardNumber").classList.remove("hide")
;
                document.querySelector("#additional label").classList.remove("
hide");
                return 1;
            }
            else{
                document.querySelector("#cardNumber").classList.add("hide");
                document.querySelector("#additional label").classList.add("hid
e");
                return 0;
            }
        }
        function finishOrder(){
            const finishMessage=document.querySelector("#finishMessage");
            const messageHeading=document.querySelector("#finishMessage h2");
            let ok=1;
            if(!nameConstraint()){
                ok=0;
            }
            if(!emailConstraint()){
             ok=0;
            }
            if(!addressConstraint()){
             ok=0;
            }
            if(!payConstraint()){
             ok=0;
            }
            if(!cityConstraint()){
             ok=0;
            }
            if(!zipConstraint()){
                ok=0;
            }
            if(!mobileConstraint()){
                ok=0;
            }
            if(!termOfUse.checked){
                ok=0;
                 $(termsMessage).fadeIn();
            }
            else{
```

```javascript
                $(termsMessage).fadeOut();
            }

            if(ok){
                messageHeading.innerHTML="Your order was successfully sent!";
                finishMessage.classList.remove("finishWrong");
                finishMessage.classList.add("finishCorrect");
                return 1;
            }
            else{
                messageHeading.innerHTML="Please,fill out the form correctly!"
;
                finishMessage.classList.remove("finishCorrect");
                finishMessage.classList.add("finishWrong");
            }


        }
    } //Kraj koda za contact.html
 //Kod za index.html stranu
    else{
        const bestSellers=[{name:"PC King Energy MAX",price:"700$",img:"assets
/images/bestseller1.png",spec:{Processor:"AMD Ryzen 5 2600",Motherboard:"ASUS
A320M-
K",GPU:"AMD Radeon RX 590",RAM:"8GB DDR4 2666MHZ",SSD:"512GB",PSU:"FSP HYPER K
 500W",Case:"MS SPECTRUM"}},
        {name:"ASUS ROG Strix SCAR II",price:"1300$",img:"assets/images/RogStr
ix.png",spec:{Display:"17.3\" 16:9, 1920 x 1080 pixel",Processor:"INTEL Core i
7-
8750H",Motherboard:"INTEL Cannon Lake HM370",GPU:"NVIDIA GeForce RTX 2070 8GB
GDDR6",RAM:"16GB DDR4 2666MHZ",SSD:"INTEL SSD 512GB NVMe",HDD:"1TB"}},
        {name:"HP Gaming Pavilion",price:"900$",img:"assets/images/bestseller3
.png",spec:{Display:"15.6\" diagonal FHD IPS anti-glare micro-edge WLED-
backlit (1920 x 1080)",Processor:"INTEL Core™ i5 8300H",Motherboard:"INTEL Can
non Lake HM370",GPU:"NVIDIA GeForce GTX 1050TI 4GB GDDR5",RAM:"8GB DDR4 2666MH
Z",HDD:"1TB",PSU:"150 W AC power adapter"}},
        {name:"PC King Prime Pro",price:"950$",img:"assets/images/bestseller4.
png",spec:{Processor:"INTEL Core™ i5-
9400F 2.9 GHz",Motherboard:"GIGABYTE B360M H",GPU:"GeForce RTX 2060 6GB GDDR6"
,RAM:"8GB DDR4 2666MHZ",SSD:"512GB",HDD:"1TB 7200RPM",PSU:"IG-
MAX 2650 600W",Case:"Cooler Master MasterBox MB600L"}}];

        const products=[{name:"ACER Predator Helios 300",price:"1000$",img:"as
sets/images/helios300.png",type:"laptop",spec:{Display:"17.3\" diagonal LED IP
S(1920 x 1080) 144Hz refresh rate",Processor:"INTEL Core i7 8750H / 2.2 GHz",M
otherboard:"Mobile Intel HM370",GPU:"NVIDIA GeForce RTX 2060 6GB GDDR5",RAM:"2
X16GB DDR4 2666MHZ",HDD:"1TB",SSD:"256 GB"}}
        ,{name:"PC King Lider",price:"500$",img:"assets/images/lider.png",type
:"pc",spec:{Processor:"AMD Ryzen 5 2400G with RadeonRX Vega 11",Motherboard:"A
```

```
SUS PRIME A320M-
K",GPU:"NVIDIA GeForce GTX 1650 4GB GDDR5",RAM:"8GB DDR4 2666MHZ",HDD:"1TB",SS
D:"256 GB",Case:"IG-MAX LED STRIPE ",PSU:"500W"}},
        {name:"PC King Starter",price:"850$",img:"assets/images/starter.png",t
ype:"pc",spec:{Processor:"AMD Ryzen 7 2700",Motherboard:" GIGABYTE B450 GAMING
 X",GPU:"NVIDIA GeForce GTX 1660 4GB GDDR5",RAM:"16GB DDR4 3000MHZ",HDD:"1TB",
SSD:"480GB",Case:"NZXT H500 Midi Tower",PSU:"COOLER MASTER 500W ELITE V3"}},
        {name:"PC King Eagle",price:"800$",img:"assets/images/eagle.png",type:
"pc",spec:{Processor:"AMD Ryzen 5 2600",Motherboard:"Biostar AM4 B450MH",GPU:"
AMD Radeon RX 580 4GB GDDR5",RAM:"16GB DDR4 2666MHZ",HDD:"1TB",SSD:"240GB",Cas
e:"Alexander Weiss Serpico",PSU:"750W Falcon Gaming FGC-750"}},
        {name:"HP Gaming Pavilion",price:"900$",img:"assets/images/bestseller3
.png",spec:{Display:"15.6\" diagonal FHD IPS anti-glare micro-edge WLED-
backlit (1920 x 1080)",Processor:"INTEL Core™ i5 8300H",Motherboard:"INTEL Can
non Lake HM370",GPU:"NVIDIA GeForce GTX 1050TI 4GB GDDR5",RAM:"8GB DDR4 2666MH
Z",HDD:"1TB",PSU:"150 W AC power adapter"}},
        {name:"Lenovo Legion Y540",price:"1300$",img:"assets/images/legion.png
",type:"laptop",spec:{Display:"17.3\" FHD (1920 x 1080) IPS anti-
glare 300 nits 144Hz",Processor:"Intel Core™ i5-
9300H Quad Core",GPU:"GeForce GTX GTX 1660Ti 6GB GDDR6",RAM:"16GB DDR4 0MHz",H
DD:"1TB",SSD:"256GB",Battery:"3 Cell 57Wh(up to 5 hours)",OS:"Windows 10 Pro"}
},
        {name:"ASUS TUF FX505DU",price:"1100$",img:"assets/images/tuf.png",typ
e:"laptop",spec:{Display:"15.6\" diagonal LED IPS(1920 x 1080),Anti-
Glare",Processor:"AMD Ryzen R7-
3750H Quad Core 2.3GHz",GPU:"NVIDIA GeForce GTX 1660TI 6GB GDDR5",RAM:"16GB DD
R4 2666MHZ",SSD:"512 GB",Camera:"HD 720p with mic"}},
        {name:"PC King Edge III",price:"1250$",img:"assets/images/edge.png",ty
pe:"pc",spec:{Processor:"Intel Core i7-
8700 3.2GHz",Cooler:"Antec A30 LED",Motherboard:"Biostar LGA1151 B360GT5S",GPU
:"AMD Radeon RX 5700 8GB GDDR6",RAM:"2X16GB DDR4 3200MHz",HDD:"1TB",SSD:"512GB
",Case:"Cooler Master MasterBox K500L LED Window",PSU:"Corsair RM750x 750W"}}]

        const sliderImages=["assets/images/slide1.jpg","assets/images/slide2.j
pg","assets/images/slide3.jpg","assets/images/slide4.jpg","assets/images/slide
5.jpg"];
        const messages=["PC KING","Laptops for all","Reliable components","Bes
t PC configurations","Rule every game"];
        const submessages=["Pc and laptop vendor","Laptops for all your needs"
,"Components of top tier vendors","High-
end configurations","Amazing playing experience"];
        const about=[{heading:"Who are we?",text:"PC King is one of the top ra
ted European suppliers of computers and laptops. PC King has one of the best P
C and laptop configurations for all users and purposes. Whether you are a game
r, content creator or just a regular user, PC King will find you the best mach
ine for your need for best price you can find"},
        {heading:"What we are offer?",text:"PC King offer best PC ready config
urations, all tested in the most demanding environments, confirming the qualit
```

```
y of our computers. We are We cooperate with leading manufacturers of computer
 components,like: AMD GIGABAYTE, ASUS, MSI, BIOSTAR, KINGSTON, INTEL and other
s. All our products come with a 2-year warranty!"},
        {heading:"Where you can find us?",text:"Our headquarters are in London
,but you can find us in more than 15 countries in Europe. We have our shops in
:UK, Germany, France, Italy, Poland, Serbia, Croatia, Spain... And we still gr
owing!"}];
        let slideIndex=-1;
        let k=1;
        let interval=setInterval(()=>{
        slider(1);
    },5000);
    const img=document.createElement("img");
    img.setAttribute("class","slika");
    document.querySelector("#slideImg").appendChild(img);
    function slider(n){
        const slideImage=document.querySelector(".slika");
        const slideMessage=document.querySelector(".message");
        if(n){
            slideIndex++;
            if(slideIndex>sliderImages.length-1){
                slideIndex=0;
            }
        slideImage.setAttribute("src",sliderImages[slideIndex]);
        slideImage.setAttribute("alt",`slide ${slideIndex+1}`);
        slideMessage.querySelector("h1").innerHTML=messages[slideIndex];
        slideMessage.querySelector("h2").innerHTML=submessages[slideIndex]
;

        }
        else{
            slideIndex--;
            if(slideIndex<0){
                slideIndex=sliderImages.length-1;
            }
        slideImage.setAttribute("src",sliderImages[slideIndex]);
        slideImage.setAttribute("alt",`slide ${slideIndex+1}`);
        slideMessage.querySelector("h1").innerHTML=messages[slideIndex];
        slideMessage.querySelector("h2").innerHTML=submessages[slideIndex]
;

        }
        slideImage.classList.add("slideFade");
        slideMessage.classList.add("slideMessage");
        setTimeout(function(){
            slideImage.classList.remove("slideFade");

        },801)
        setTimeout(function(){
            slideMessage.classList.remove("slideMessage");
```

```javascript
        },1601)
        clearInterval(interval);
        interval=setInterval(()=>{
            slider(1);
        },5000);
    }
    function aboutWrite(array){
        let subIndex=4;
        const aboutDiv=document.querySelector("#textAbout");
        for(let i=0;i<array.length;i++){
        aboutDiv.innerHTML+=`<div class="textAbout"><h2><span class="color
Heading">${array[i].heading.substring(0,subIndex)}</span>${array[i].heading.su
bstring(subIndex++)}</h2>
            <p>${array[i].text}</p>
            <span class="plus"><i class='fa fa-angle-down'></i></span>
        </div>`;
        }
    }
    function bestSellersWrite(target,array,identificator){
        const targetDiv=document.querySelector(target);
        for(let i in array){
            const article=document.createElement("article");
            article.setAttribute("class",identificator);
            article.setAttribute("data-type",array[i].type);
            article.innerHTML+=`<img src="${array[i].img}" alt="bestSeller
" />
            <h3>${array[i].name}</h3>
            <span>${array[i].price}</span>`
            const div=document.createElement("div");
            div.setAttribute("class","options")
            div.innerHTML+=`<button class="buynow" onclick="window.locatio
n='contact.html'">Buy Now</button>
            <button class="details">Details</button>`
            article.appendChild(div);
            targetDiv.appendChild(article);
        }
        const elements=document.getElementsByClassName(identificator);
        for(let i=0;i<elements.length;i++){
            elements[i].addEventListener("click",function(){
                bodyOpacity().appendChild(detailsDiv(array,i));
                close();
            })
        }
    }
    function bodyOpacity(){
        const coverDiv=document.createElement("div");
        coverDiv.setAttribute("id","coverDiv");
        document.querySelector("body").classList.add("bodyAcitve");
```

```javascript
        document.querySelector("body").appendChild(coverDiv);
        return coverDiv;
    }
    function detailsDiv(array,i){
        var fixedDiv=document.createElement("div");
        fixedDiv.setAttribute("class","fixedDiv");
        fixedDiv.innerHTML+=`<div class="detaliName"><h2>${array[i].name}</h2>${specifications(array[i].spec)}<button class="buynow" onclick="window.location='contact.html'">Buy Now</button></div>
        <div class="detailImg"><img src="${array[i].img}" alt="Product image" /></div>
        <span class="close"><i class="fa fa-close"></i></span>`;
        return fixedDiv;
    }
    const filterButtons=document.querySelectorAll(".filterbtn");
    for(let i=0; i< filterButtons.length;i++){
        filterButtons[i].addEventListener("click",(e)=>{
            for(let i=0; i< filterButtons.length;i++){
                filterButtons[i].classList.remove("filterActive");
            }
            e.target.classList.add("filterActive");
        })
    }
    function filter(con){
        const target=document.querySelectorAll(".product");
        for(let i=0;i<target.length;i++){
            if(con==""){
                target[i].style.display="block";
                continue;
            }
            if(target[i].dataset.type!=con){
                target[i].style.display="none";
            }
            else{
                target[i].style.display="block";
            }
        }
    }
    function close(){
        const closeBtns=document.querySelector(".close");
        const fixedDiv=document.querySelector(".fixedDiv");
        const coverDiv=document.querySelector("#coverDiv");
            closeBtns.addEventListener("click",function(){
                fixedDiv.remove();
                coverDiv.remove();
                document.querySelector("body").classList.remove("bodyAcitve");
            });
```

```javascript
    }
    function newsLetter(){
        const input=document.querySelector("#mail");
        const message=document.querySelector("#newsMessage");
        const mailregex=/^[a-z][a-z\d]{4,}@(gmail|yahoo).com$/;
        if(mailregex.test(input.value)){
            message.innerHTML="Thanks for subscribing on our newsleter";
            return;
        }
        else{
            message.innerHTML="Please,enter mail in valid format";
            return;
        }
    }
    function specifications(array){
        let list=`<ul>`;
        for(let i in array){
            list+=`<li>${i}:${array[i]}</li>`;
        }
        list+=`</ul>`;
        return list;
    }
    slider(1);
    $("#next").click(function(){
        slider(1);
    })
    $("#prev").click(function(){
        slider(0);
    })
    aboutWrite(about);
    bestSellersWrite("#wrapper",bestSellers,"bestSeler");
    bestSellersWrite("#wrapperProduct",products,"product");
    $(".textAbout").on("click",function(){
        $(this).find("p").slideToggle();
        $(this).find(".plus").toggleClass("plusActive");
    });
    $(window).scroll(function(){
        if($(this).scrollTop()>600){
            $("#scrollTop").fadeIn();
        }
        else{
            $("#scrollTop").fadeOut();
        }
    })
    $("#scrollTop").click(function(){
        $("html,body").animate({scrollTop:0},800);
    });
    $("#sign").click(function(){
```

```javascript
            newsLetter();
        })
        $("#filterAll").click(function(){
            filter("");
        })
        $("#filterPc").click(function(){
            filter("pc");
        })
        $("#filterLaptop").click(function(){
            filter("laptop");
        });
        $(".bestSeler").hover(function(){
            $(this).find(".options").toggleClass("optionsOpacity");
        })
        $(".product").hover(function(){
            $(this).find(".options").toggleClass("optionsOpacity");
        });


    } //Kraj koda za index.html stranu
  });

//Zajednicki podaci i funkcije za obe strane
const menu=[{title:"Home",link:"index.html"},{title:"About",link:"index.html#a
bout"},{title:"Products",link:"#"},{title:"Contact",link:"index.html#contact"}
];
const additional=[{link:"https://djordjeportofolio.netlify.com/",title:"Author
"},{link:"#",title:"Documentation"}];
const submenu=[{title:"Best sellers",link:"index.html#bestSellers"},{title:"Al
l Products",link:"index.html#products"}];
const social=[{title:'<i class="fa fa-facebook-
official"></i>',link:"https://www.facebook.com/"},
{title:'<i class="fa fa-instagram"></i>',link:'https://www.instagram.com/'},
{title:'<i class="fa fa-twitter"></i>',link:'https://twitter.com/'},
{title:'<i class="fa fa-youtube-play"></i>',link:'https://www.youtube.com/'}];
function navWrite(array){
    for(let i=0;i<array.length;i++){
        const nav=document.querySelector("#menu");
        if(array[i].title=="Products"){
            nav.innerHTML+="<li><a href="+array[i].link+"'>"+array[i].title+"
<i class='fa fa-angle-down'></i>"+"</a></li>";
            const li=document.querySelectorAll("li");
            const element=document.createElement("ul");
            element.setAttribute("id","podmeni");
            for(let i=0;i<submenu.length;i++){
                element.innerHTML+=`<li><a href="${submenu[i].link}">${submenu
[i].title}</a></li>`;
    }
            li[i].appendChild(element);
```

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```javascript
        }
        else{
            nav.innerHTML+="<li><a href="+array[i].link+">"+array[i].title+"</
a></li>";
        }
    }
}
function footWrite(array){
    const target=document.querySelector("footer");
    const footnav=document.createElement("div");
    footnav.setAttribute("id","footnav");
    const ul=document.createElement("ul");
    for(let i in array){
        ul.innerHTML+=`<li><a href="${array[i].link}">${array[i].title}</a></l
i>`;
    }
    footnav.appendChild(ul);
    target.appendChild(footnav);
}
function socialWrite(array){
    const target=document.querySelector("footer");
    const footnav=document.createElement("div");
    footnav.setAttribute("class","social");
    const ul=document.createElement("ul");
    for(let i in array){
        ul.innerHTML+=`<li><a href="${array[i].link}" target="_blank">${array[
i].title}</a></li>`;
    }
    footnav.appendChild(ul);
    target.appendChild(footnav);
}
```