

Visoka škola strukovnih studija za informacione i komunikacione
tehnologije

Dokumentacija

<https://pcking.netlify.com/>

Predmet: Web programiranje 1

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SADRŽAJ

SADRŽAJ	2
1. UVOD	3
1.1 Korišćeni programski jezici i okruženja	3
1.2 Opis funkcionalnosti	3
1.3 Template	4
2. Organizacija	5
2.1 Organizaciona šema	5
Mapa sajta.....	5
2.2 Slike stranica i opisi funkcionalnosti	5
2.2.1 index.html-Home.....	6
2.2.2 index.html-About	6
2.2.3 index.html-Best Sellers	7
2.2.4 index.html-Products	7
2.2.5 index.html-Contact.....	8
2.2.6 contact.html	9
3. Kodovi.....	10
3.1 HTML	10
3.1.1 index.html.....	10
3.1.2 contact.html	11
3.2 CSS	14
3.2.1 style.scss.....	14
3.2.2 queries.scss.....	25
3.3 JavaScript i jQuery	32
3.3.1 main.js	32

1. UVOD

1.1 Korišćeni programski jezici i okruženja

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

1.2 Opis funkcionalnosti

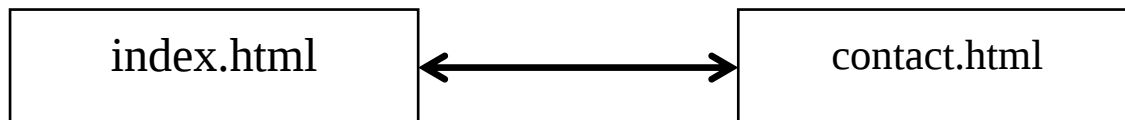
- Navigacioni meni i footer koji se dinamički ispisuju podacima iz JavaScript-a
- Slider sa slikama koje smenjuju svakih 5 sekundi napravljen u JavaScript-u sa dugmicima za kretanje napred ili nazad
- Dinamičko ispisivanje proizvoda i njihovih slika podacima iz JavaScripta-a
- Prelaskom misa preko slike proizvoda 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 vraća se na pocetak stranice uz animaciju koja traje 800ms. Efekat skrola urađen u JQuery-ju
- Mogućnost filtriranja proizvoda na sajtu klikom na određenu 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 nastavku dokumenta.

2. Organizacija

2.1 Organizaciona šema



Mapa sajta

```
<?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

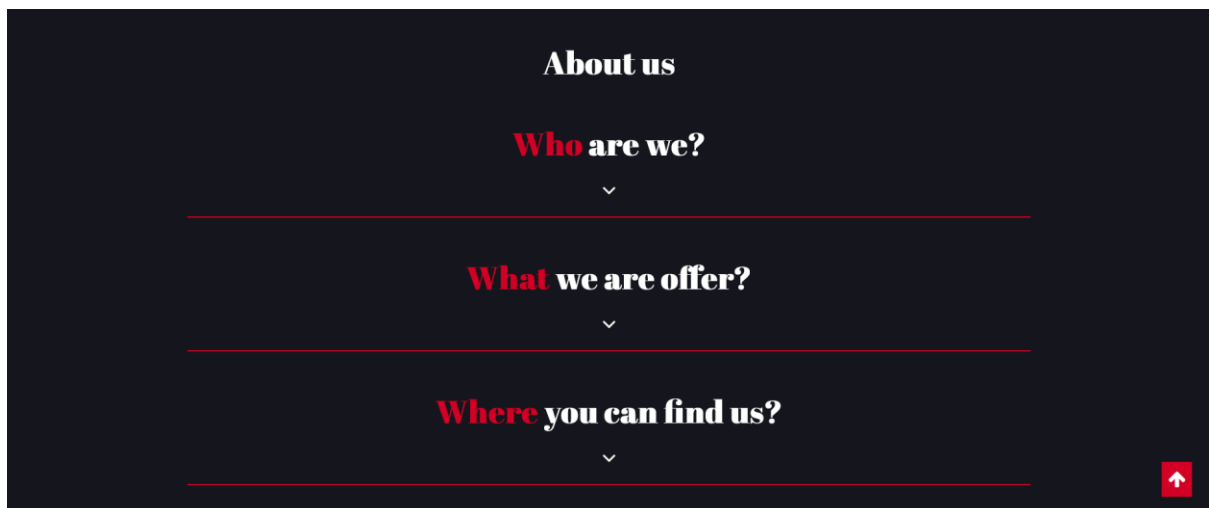
U nastavku će biti prolzeni print screen ekrana I kratak objašnjenja za sve logičke celine sajta.

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



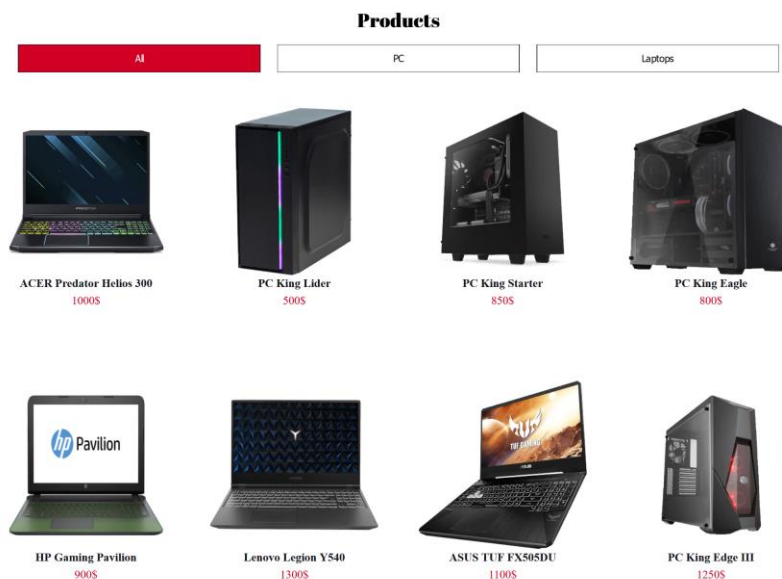
U ovom delu sajta se nalaze tekstovi sa informacijama o temi sajta. Klikom na strelicu na dole ili na neki od naslova pomoću JQuery-ija otvara se dodatni tekst sa još informacija. Klikom na strelicu u uglu vraćamo se na početak strane.

2.2.3 index.html-Best Sellers

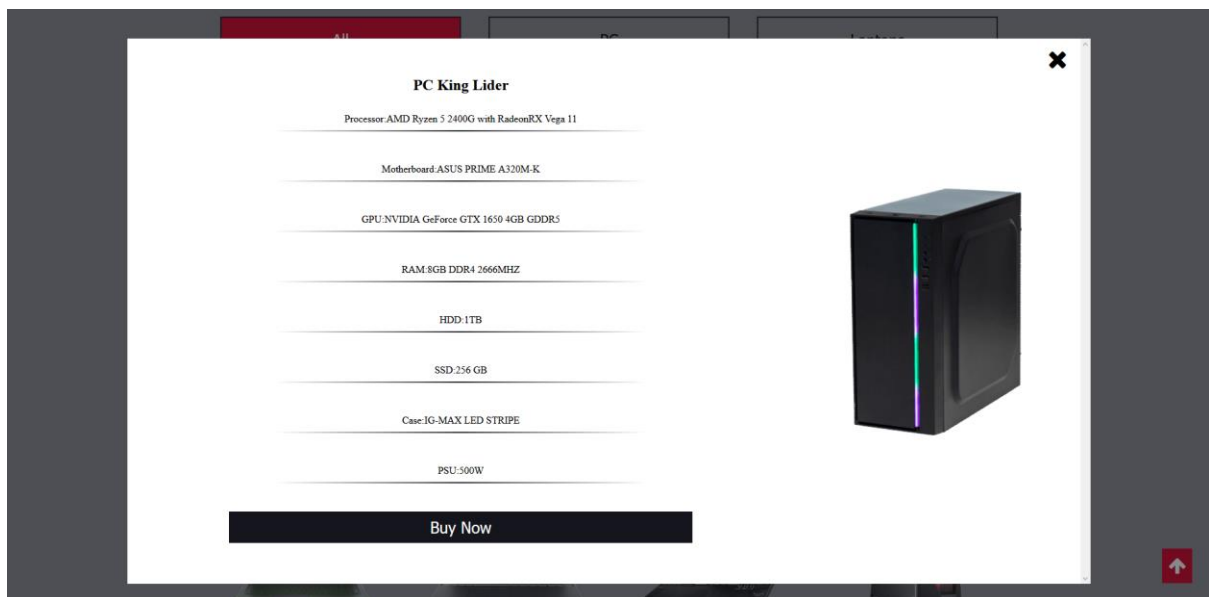


U ovom delu sajta se nalaze najprodavaniji proizvodi. Proizvodi se dinamički ispisuju na osnovu podataka iz JavaScript-a. Prelaskom miša preko slike proizvoda jQuery animacijom se pojavljuju dva tastera: Details i Buy Now.

2.2.4 index.html-Products

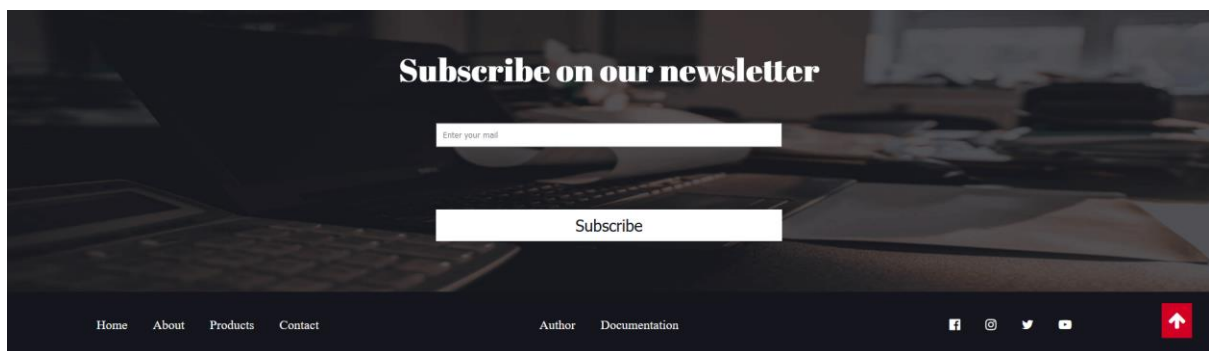


U ovom delu sajta se nalaze svi proizvodi u ponudi sajta. Proizvodi se dinamički ispisuju na osnovu podataka iz JavaScript-a. Iznad se nalaze opcije za filtriranje sadržaja, filtriranje je urađeno pomoću JavaScript-a. Prelaskom miša preko slike proizvoda jQuery animacijom se pojavljuju dva tastera: Details 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 prijavjivanjem na obaveštenja sajta, gde se je potrebno uneti svoju email adresu. Email adresa se proverava pomoću regularnih izraza. Tu je i footer sa linkovima ka svim delovima sajta i nalogima sajta na društvenim mrežama.

2.2.6 contact.html

The screenshot shows the 'Order form:' for 'PC King'. The form is set against a dark blue background. It contains several input fields with red borders indicating validation errors: 'Name *' (filled with 'John Doe'), 'Email *' (filled with 'mailmail@gmail.com'), 'City *' (filled with 'Your city'), 'Zip' (filled with 'AA99 9A'), 'Address *' (filled with 'Your Address'), and 'Mobile' (filled with '07X XXXXXXXX'). The 'Payment method *' section has two radio buttons: 'Cash on delivery' (selected) and 'Online'. Below the payment method, there is a checkbox for 'I accept Terms of use' which is unchecked, followed by the text 'Please accept Terms of use' in red. A black 'Order' button is positioned below the form. At the bottom of the form, a red banner displays the message 'Please,fill out the form correctly!'. The website's navigation bar at the top includes links for 'Home', 'About', 'Products', and 'Contact'. The footer contains links for 'Home', 'About', 'Products', 'Contact', 'Author', and 'Documentation', along with social media icons for Facebook, Instagram, Twitter, and YouTube.

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

3. Kodovi

3.1 HTML

3.1.1 index.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>
```

```
</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="Enter 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

```
<!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.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">*</span></label>
          <input type="text" name="fullName" id="fullname" placeholder="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="A99 9A"/>
        </div>
        <div class="personalInfo">
```

```
        <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 XXXXXXXX"/>
    </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>
        </div>
        <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

```
@import url('https://fonts.googleapis.com/css?family=Abril+Fatface&display=swa
p');
$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: $color2;
    }
}
@mixin headingFont {
    font-family: 'Abril Fatface', cursive;
}
@mixin headingSize{
    font-size:50px;
}
a{
    text-decoration: none;
}
ul{
    list-style-type:none;
}
img{
    width: 100%;
}
.bodyActive{
    background-color: rgba($color1,0.5);
    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{
  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: $color1;
}
#next,#prev{
    position: absolute;
    color:$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;
    }
}
```

```
}
@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;
  }
  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;
  }
}
.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;
        }
        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;
    }
    .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 .bestSeller;
        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;
            &::after{
                content: '';
                display:block;
                width:80%;
                margin:10px auto;
                background-image:linear-
gradient(to left,$white,$color1,$white);
                height:2px;
            }
        }
    }
}
//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{
    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{
  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 $color2;
}
#additional{
    padding: 15px 0px;
    select,input{
        padding:10px;
    }
}
.close{
    position: absolute;
    top:10px;
    cursor: pointer;
    font-size:40px;
    right:20px;
}
#add{
    @include button;
    width: 25%;
    margin:0px auto;
}
.hide{
    visibility: hidden;
}
#finish{
    text-align: center;
    font-size:25px;
    button{
        @include button;
        width:40%;
        margin-top: 15px;
    }
    p{
        display: none;
        color:$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

```
@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;
    }
  }
  .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
.detailName{
    width:100%;
}
.detailImg{
    width: 50%;
}
//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;
    }
    #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{  
    font-size:22px;  
}  
.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%;
}
.detailiName{
    width:100%;
}
.detailImg{
    width: 100%;
}
//Footer
#footnav,.social{
    width:100%;
    li{
        padding:10px;
    }
}
//Order form
#orderForm{
    width:100%;
}
#city,#zip{
    width:100%;
}
#mob1,#mob2{
    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{
    width: 100%;
  }
  #next,#prev{
    font-size:25px;
  }
  .message{
    display: none;
  }
  //About
  #textAbout{
    h2{
      font-size:30px
    }
  }
}
```

```
.textAbout{
  padding:10px;
  p{
    font-size: 20px;
    text-align: left;
  }
}
.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%;
  margin:30px auto;
}
#footnav li{
  display: inline-block;
  padding: 10px;
}
#finishMessage h2{
  font-size: 20px;
}
//Details
.fixedDiv{
  top:0%;
}
}
```

3.3 JavaScript i jQuery

3.3.1 main.js

```
$(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");
        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();
});
$("#add").click(function(event){
    event.preventDefault();
})
function nameConstraint(){
    //Regex proverava ime i prezime(moguće imati više prezimena)
    const nameRegex=/^[A-Z][a-z]{2,}(\s[A-Z][a-z]{2,})+$/;
    if(nameRegex.test(nameField.value)){
        nameField.classList.remove("inputError");
        return 1;
    }
    else{
        nameField.classList.add("inputError");
        return 0;
    }
}
function emailConstraint(){
    //Regex proverava 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 slovom prve reci
    const cityRegex=/^[A-Z][a-z]{2,}(\s[A-Z]{3,})*/;

    if(cityRegex.test(cityField.value)){
        cityField.classList.remove("inputError");
        return 1;
    }
    else{
        cityField.classList.add("inputError");
        return 0;
    }
}
function zipConstraint(){
    //Regex proverava 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++){
            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("hide");
        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");
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{
        $(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",Case:"Alexander Weiss Serpico",PSU:"750W Falcon Gaming FGC-750"}},
    {name:"HP Gaming Pavilion",price:"900$",img:"assets/images/bestseller3.png",spec:{Display:"15.6\" diagonal FHD IPS anti-glare micro-edge WLED-backlit (1920 x 1080)",Processor:"INTEL Core™ i5 8300H",Motherboard:"INTEL Cannon Lake HM370",GPU:"NVIDIA GeForce GTX 1050TI 4GB GDDR5",RAM:"8GB DDR4 2666MHZ",HDD:"1TB",PSU:"150 W AC power adapter"}},
    {name:"Lenovo Legion Y540",price:"1300$",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",HDD:"1TB",SSD:"256GB",Battery:"3 Cell 57Wh(up to 5 hours)",OS:"Windows 10 Pro"}},
    {name:"ASUS TUF FX505DU",price:"1100$",img:"assets/images/tuf.png",type:"laptop",spec:{Display:"15.6\" diagonal LED IPS(1920 x 1080),Anti-Glare",Processor:"AMD Ryzen R7-3750H Quad Core 2.3GHz",GPU:"NVIDIA GeForce GTX 1660TI 6GB GDDR5",RAM:"16GB DDR4 2666MHZ",SSD:"512 GB",Camera:"HD 720p with mic"}},
    {name:"PC King Edge III",price:"1250$",img:"assets/images/edge.png",type:"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.jpg","assets/images/slide3.jpg","assets/images/slide4.jpg","assets/images/slide5.jpg"];
const messages=["PC KING","Laptops for all","Reliable components","Best 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 rated European suppliers of computers and laptops. PC King has one of the best PC and laptop configurations for all users and purposes. Whether you are a gamer, content creator or just a regular user, PC King will find you the best machine for your need for best price you can find"},
    {heading:"What we are offer?",text:"PC King offer best PC ready configurations, all tested in the most demanding environments, confirming the quality of our computers. We are We cooperate with leading manufacturers of computer components,like: AMD GIGABYTE, ASUS, MSI, BIOSTAR, KINGSTON, INTEL and others. 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 growing!"}];
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");
    },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>${array[i].text}</p>
            <span class="plus"><i class='fa fa-angle-down'></i></span>
        </div>`;
        }
    }
    function bestSellersWrite(target,array,identificator){
        const targetDiv=document.querySelector(target);
        for(let i in array){
            const article=document.createElement("article");
            article.setAttribute("class",identificator);
            article.setAttribute("data-type",array[i].type);
            article.innerHTML+=`
            <h3>${array[i].name}</h3>
            <span>${array[i].price}</span>`
            const div=document.createElement("div");
            div.setAttribute("class","options")
            div.innerHTML+=`<button class="buynow" onclick="window.location
n='contact.html'">Buy Now</button>
            <button class="details">Details</button>`
            article.appendChild(div);
            targetDiv.appendChild(article);
        }
        const elements=document.getElementsByClassName(identificator);
        for(let i=0;i<elements.length;i++){
            elements[i].addEventListener("click",function(){
                bodyOpacity().appendChild(detailsDiv(array,i));
                close();
            })
        }
    }
    function bodyOpacity(){
        const coverDiv=document.createElement("div");
        coverDiv.setAttribute("id","coverDiv");
        document.querySelector("body").classList.add("bodyAcitve");
        document.querySelector("body").appendChild(coverDiv);
        return coverDiv;
    }
    function detailsDiv(array,i){
        var fixedDiv=document.createElement("div");
        fixedDiv.setAttribute("class","fixedDiv");
        fixedDiv.innerHTML+=`<div class="detaliName"><h2>${array[i].name}<
/h2>${specifications(array[i].spec)}<button class="buynow" onclick="window.loc
ation='contact.html'">Buy Now</button></div>
```

```
        <div class="detailImg"></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("bodyAcitiv
e");
        });
    }
    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(){
        newsLetter();
    })
    $("#filterAll").click(function(){
        filter("");
    })
    $("#filterPc").click(function(){
        filter("pc");
    })
    $("#filterLaptop").click(function(){
```

```
        filter("laptop");
    });
    $(".bestSeller").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#about"},{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:"All 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+="- <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+="- <a href="+submenu[i].link+">"+submenu[i].title</a></li>";
            }
            li[i].appendChild(element);
        }
        else{
            nav.innerHTML+="- <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></li>`;
}
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);
}
```