

Visoka škola strukovnih studija za informacione i komunikacione tehnologije



Dokumentacija(<https://narandza.github.io/web-programiranje-2/>)

Student: Dimitrije Jovanović

Broj indeksa: 35/19

Smer: Internet tehnologije

Predmet: Web programiranje 2

# **I Uvod**

## **I.1 Korišćeni programski jezici**

Za izradu ovog sajta su korišćeni sledeći programski i markup jezici:

- HTML
- CSS
- JavaScript
  - jQuery
  - AJAX
  - JSON
- XML
- Bootstrap

## **I.2 Opis funkcionalnosti**

Sajt ima sledeće funkcionalnosti :

1. responsive
2. sav sadržaj sajta se dinamički ispisuje
3. filtriranje proizvoda
4. sortiranje proizvoda
5. pretraga proizvoda
6. cart
7. regEx validacije

## I.3 Template

NAV

CAROUSEL



### Keeping the Tradition Alive

Learn more about our Company history and values

[Learn More](#)

SECTION

**WORLDWIDE SHIPPING**  
Ship Within 7 Days Or Less.

**CERTIFIED BY WESA**  
Official Certification By Watch Certification Service Of America.

**30 DAYS MONEY BACK**  
If You're Not Satisfied With Your Product You Can Return It Within 30 Days!

SECTION

Featured Products



**Submariner**  
Rolex  
This Men's Rolex Submariner has an attractive Black Dial with Luminous Dial Markers.

\$13,999



**Sky-Dweller**  
Rolex  
Rolex Sky-Dweller Rose Gold White Index Dial Fluted Bezel Leather Strap 326135 - BRAND NEW

\$37,199



**Day-Date**  
Rolex  
This certified authentic Brand New Rolex Day-Date 40 Dress Watch, with the Model Number: 228239, has a White Gold 40 mm Round Case with Screw Down Crown and a White Gold Bezel.

\$43,999



**Nautilus**  
Rolex Philippe  
This certified authentic Brand New Rolex Philippe Nautilus, with the Model Number: 11811300A-01, has a Stainless Steel 38 mm Round Case with Screw Down Crown and a Stainless Steel Bezel.

\$47,999



**Sky Celestial**  
Rolex Philippe  
This certified authentic Brand New Rolex Philippe Brand Complications Dress Watch, with the Model Number: 6102P-001, has a Platinum 44 mm Round Case with Screw Down Crown and a Platinum Bezel.

\$545,999



**Tank Solo**  
Rolex  
This certified authentic Brand New Rolex Tank Solo Watch, with the Model Number: W5200028, has a Stainless Steel Extra-Large Rectangular Case with Cobscohen Crown and a Stainless Steel. This Men's Rolex Tank Solo has an attractive Silver Dial with Roman Dial Markers.

\$3,999



**Ronde Solo De**  
Rolex  
Rolex Ronde Solo De Silver Dial Stainless Steel Bezel Rose Gold & Steel Bracelet 35mm W2C10005 - BRAND NEW

\$5,449



**Master Ultra Thin**  
Jaeger-LeCoultre  
Jaeger-LeCoultre Master Ultra Thin Moon Stainless Steel Silver Index Dial 39 mm J3584250

\$5,999



**Lady Ceramic**  
Richard Mille  
Richard Mille Lady Stainless Steel Skeleton Index Dial 45.5 mm RM07-01

\$59,999

SECTION



### About Company

>Lorem, ipsum dolor sit amet consectetur adipiscing elit. Totam natus molestias aliquid fugiat veritatis numquam magnam explicabo rerum illo ipsa tenetur enim, ullam sequi qui!

SECTION

Best Sellers



FOOTER

WatchOut

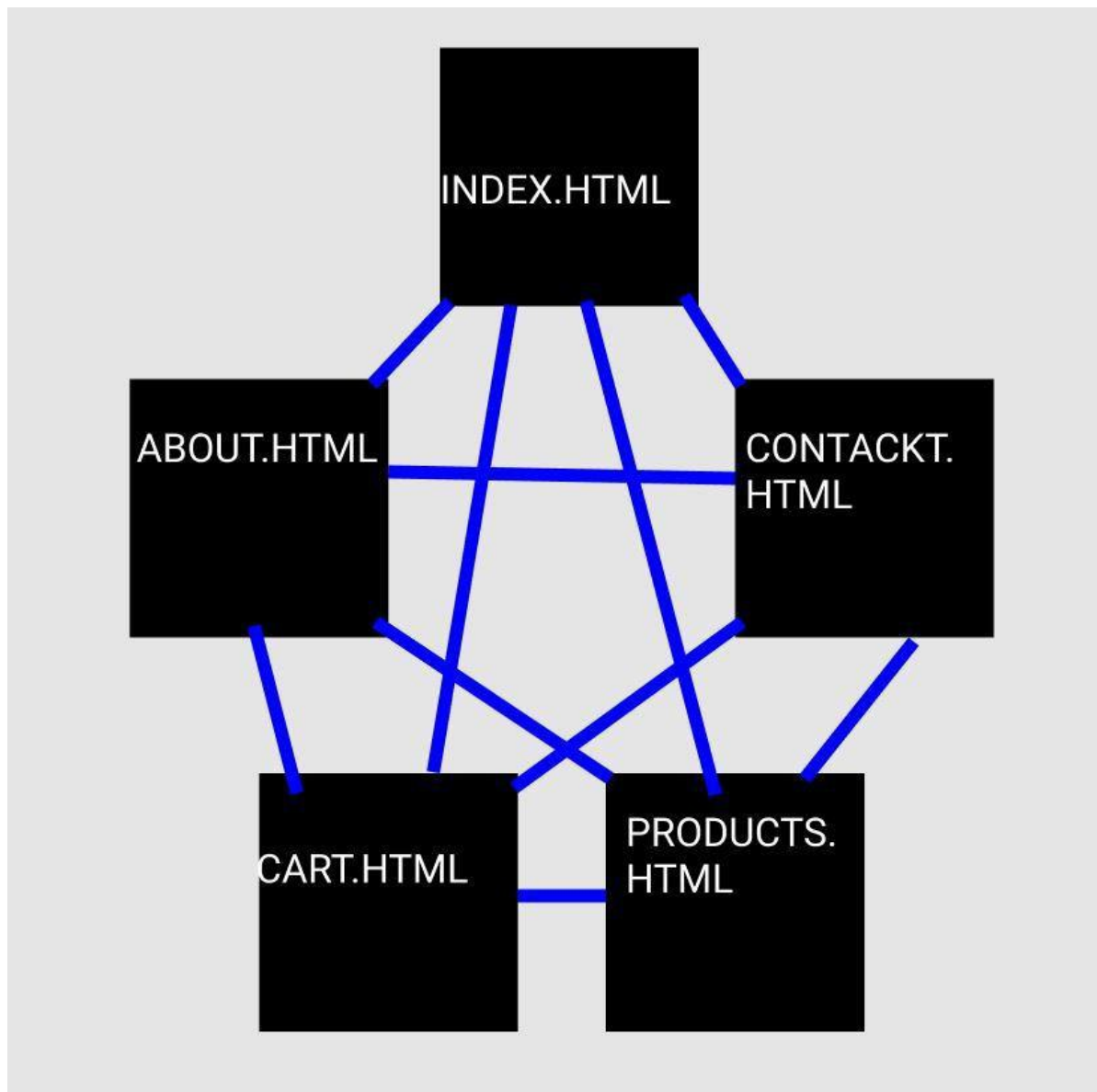
WE BRING YOU Good Time



©Copyright WatchOut

## II Organizacija

### II.1 Organizaciona šema

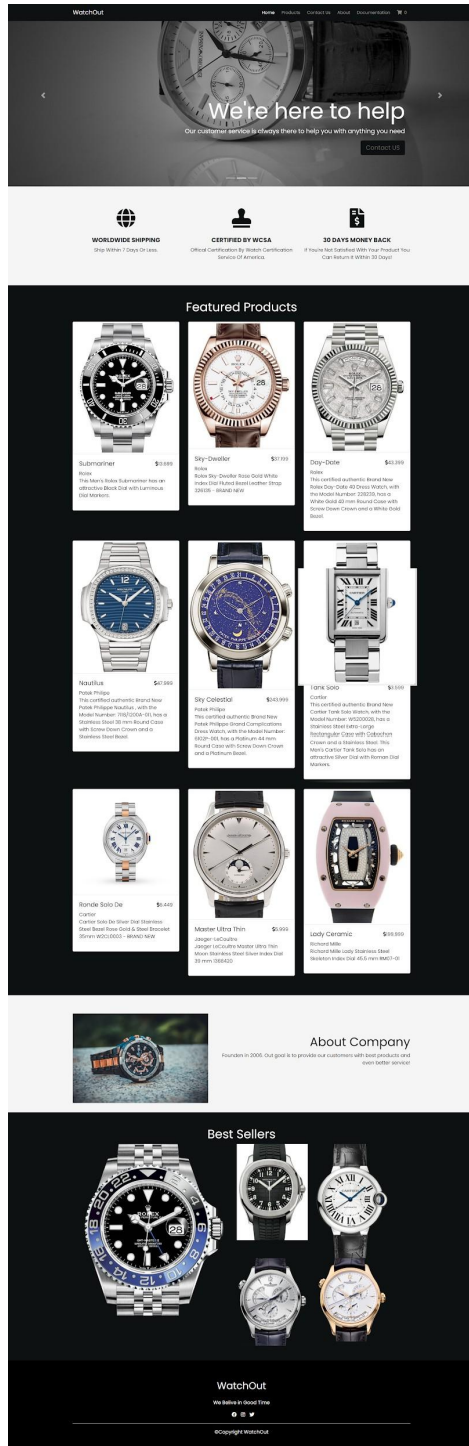


## II.2 Mapa sajta

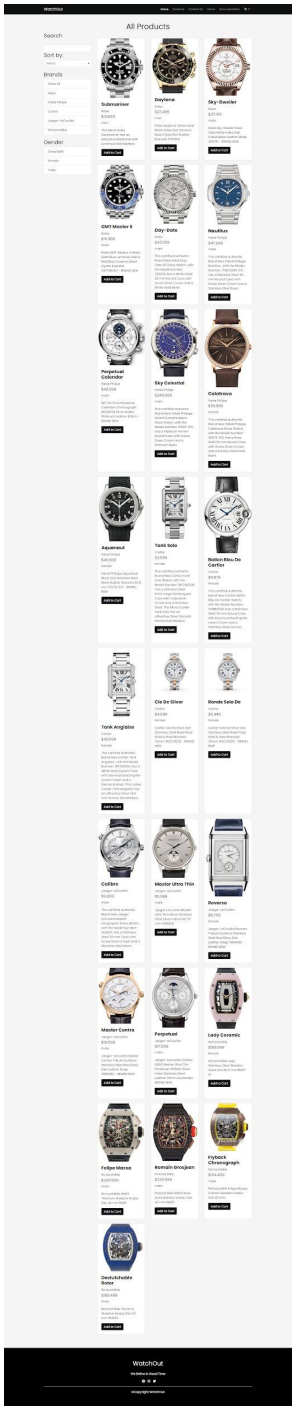
```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
<url>
  <loc>https://narandza.github.io/web-programiranje-2/index.html<loc>
  <lastmod>2020-10-03</lastmod>
  <changefreq>daily</changefreq>
  <priority>1</priority>
</url>
<url>
  <loc>https://narandza.github.io/web-programiranje-2/about.html<loc>
  <lastmod>2020-10-03</lastmod>
  <changefreq>daily</changefreq>
  <priority>0.9</priority>
</url>
<url>
  <loc>https://narandza.github.io/web-programiranje-2/cart.html<loc>
  <lastmod>2020-10-03</lastmod>
  <changefreq>weekly</changefreq>
  <priority>0.1</priority>
</url>
<url>
  <loc>https://narandza.github.io/web-programiranje-2/products.html<loc>
  <lastmod>2020-10-03</lastmod>
  <changefreq>daily</changefreq>
  <priority>0.9</priority>
</url>
</urlset>
```

## Il.3 Stranice

### Il.3.1 index.html



# II.3.1 products.html



## II.3.1 contact.html

WatchOut

[Home](#) [Products](#) [Contact Us](#) [About](#) [Documentation](#) [🛒 0](#)

### Contact Us

Email

Email

Name

Name

Messege

Messege

☐ Subscribe to news letter

Submit

WatchOut

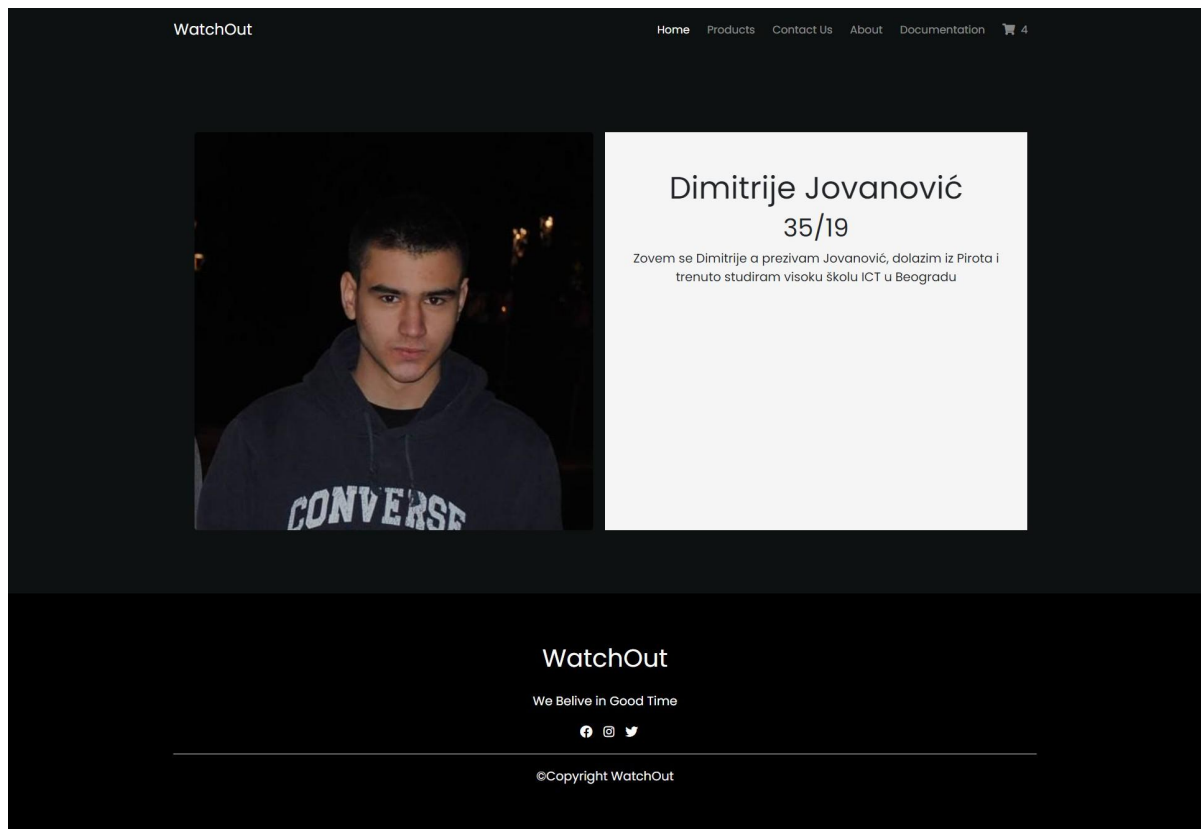
We Belive in Good Time

[f](#) [@](#) [t](#)

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# about.html



WatchOut

Home





Products

Contact Us

About

Documentation

4

PRODUCT	PRICE	QUANTITY	TOTAL
<div><div></div><div>Rolex Day-Date</div></div>	\$43.399	1	\$43.399
<div><div></div><div>Patek Philippe Nautilus</div></div>	\$47.999	1	\$47.999
<div><div></div><div>Patek Philippe Calatrava</div></div>	\$39.999	1	\$39.999
<div><div></div><div>Patek Philippe Sky Celestial</div></div>	\$243.999	1	\$243.999

Basket Total

\$375.396

Buy

Buy

WatchOut

We Belive in Good Time

©Copyright WatchOut

# III Kodovi

## III.1 HTML

### index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css" integrity="sha384-vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=swap" rel="stylesheet">
  <script src="https://code.jquery.com/jquery-3.6.0.js" integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk=" crossorigin="anonymous"></script>
  <link rel="stylesheet" href="style.css">
  <link rel="icon" type="image/x-icon" href="/images/favicon.png">
  <title> WatchOut</title>
</head>
<body>
  <!--Nav-->
  <nav class="navbar fixed-top navbar-expand-sm navbar-dark bg-black">
    <div class="container">
      <a href="index.html" class="navbar-brand"> WatchOut</a>
      <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarCollapse">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarCollapse">
        <ul class="navbar-nav ml-auto" id="navbarLinks">
          </ul>
        </div>
      </div>
    </nav>
  <!--End of Nav-->
  <!--Slider-->
  <section id="main">
    <div id="Carousel" class="carousel slide" data-ride="carousel">
      <ol class="carousel-indicators" id="CarouselBars">
        </ol>
      <div class="carousel-inner" id="CarouselItems">
        </div>
      </div>
    </div>
  </div>
</div>
```

```

</section>
<!--End of Slider-->
<!--Service Section-->
<section class="services py-5 text-center">
  <div class="container">
    <div class="row" id="services">

    </div>
  </div>
</section>
<!--End of Service Section-->
<!--Fetured Products-->
<section id="featuredProducts" class="products py-5">
  <div class="container">
    <!--Section Title-->
    <div class="row" id="featuredTitle">

    </div>
    <!--End of Section Title-->
    <!--Product Items-->
    <div class="row product-items" id="product-items">
    </div>
    <!--End of Product Items-->
  </div>
</section>
<!--End of Fetured Products-->
<!--About Section-->
<section id="about-sec">
  <div class="container">
    <div class="row align-items-center" id="aboutCompany">

    </div>
  </div>
</section>
<!--End of About Section-->
<!--Best Seller Section-->
<section class="seller py-5">
  <div class="container">
    <!--Section Title-->
    <div class="row" id="bestSellerTitle">
    </div>
    <!--End of Section Title-->
    <!--Row-->
    <div class="row container-fluid" id="bestsellers">

    </div>
  </div>
</section>
<!--End Best Seller Section-->
<footer id="footer" class="footer">
</footer>
<script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-

```

```
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtn/tE3MoK7ZeZDyx" crossorigin="anony
mous"></script>
  <script src="https://kit.fontawesome.com/a076d05399.js"></script>
  <script src="main.js"></script>
</body>
</html>
```

## products.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css" integrity="sha384-vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=swap" rel="stylesheet">
  <script src="https://code.jquery.com/jquery-3.6.0.js" integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk=" crossorigin="anonymous"></script>
  <link rel="stylesheet" href="style.css">
  <link rel="icon" type="image/x-icon" href="/images/favicon.png">
  <title> WatchOut</title>
</head>
<body>
  <!--Nav-->
  <nav class="navbar fixed-top navbar-expand-sm navbar-dark bg-black">
    <div class="container">
      <a href="index.html" class="navbar-brand"> WatchOut</a>
      <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarCollapse">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarCollapse">
        <ul class="navbar-nav ml-auto" id="navbarLinks">
          </ul>
        </div>
      </div>
    </nav>
    <div class="container pt-5 mt-5">
      <h1 class="heading text-center">All Products</h1>
      <div class="row">
        <div class="col-lg-3">
          <h3>Search</h3><br>
          <form class="form">
            <input class="form-control" type="text" id="search">
          </form>
          <h3>Sort by:</h3>
          <select class="custom-select" id="sort">
            </select>
```

```
<br/>
<br/>
<!--Brands-->
<h3>Brands</h3>
<ul class="list-group" id="brands">
</ul>
<br/>
<!--Genders-->
<h3>Gender</h3>
<ul class="list-group" id="gender">
</ul>
</div>
<div class="col-lg-9">
    <div class="row" id="products">
        </div>
    </div>
</div>
</div>
</div>
<div>
<footer id="footer"class="footer mt-5">
</footer>
<script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-9/aliU8dGd2tb60SszixieV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx" crossorigin="anonymous"></script>
<script src="https://kit.fontawesome.com/a076d05399.js"></script>
<script src="main.js"></script>
<script src="test.js"></script>
</body>
</html>
```

## contact.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAY5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css" integrity="sha384-vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=swap" rel="stylesheet">
  <script src="https://code.jquery.com/jquery-3.6.0.js" integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk=" crossorigin="anonymous"></script>
  <link rel="stylesheet" href="style.css">
  <link rel="icon" type="image/x-icon" href="/images/favicon.png">
  <title> Contact</title>
</head>
<body>
  <!--Nav-->
  <nav class="navbar fixed-top navbar-expand-sm navbar-dark bg-black">
    <div class="container">
      <a href="index.html" class="navbar-brand">WatchOut</a>
      <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarCollapse">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarCollapse">
        <ul class="navbar-nav ml-auto" id="navbarLinks">
        </ul>
      </div>
    </div>
  </nav>
  <!--End of Nav-->
  <!--Contact Us Section-->
  <section class="contact py-5 mt-lg-5">
    <div class="container" id="contactForm">
    </div>
  </section>
  <!--End Best Contact Us Section-->
  <footer id="footer" class="footer mt-5">
  </footer>
  <script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-

```



```
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtn/tE3MoK7ZeZDyx" crossorigin="anony
mous"></script>
<script src="https://kit.fontawesome.com/a076d05399.js"></script>
<script src="main.js"></script>
</body>
</html>
```

## about.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css" integrity="sha384-vp86vTRFVJgpjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=swap" rel="stylesheet">
  <script src="https://code.jquery.com/jquery-3.6.0.js" integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk=" crossorigin="anonymous"></script>
  <link rel="stylesheet" href="style.css">
  <link rel="icon" type="image/x-icon" href="/images/favicon.png">
  <title> WatchOut</title>
</head>
<body>
  <!--Nav-->
  <nav class="navbar fixed-top navbar-expand-sm navbar-dark bg-black">
    <div class="container">
      <a href="index.html" class="navbar-brand"> WatchOut</a>
      <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarCollapse">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarCollapse">
        <ul class="navbar-nav ml-auto" id="navbarLinks">
          </ul>
        </div>
      </div>
    </nav>
    <!--End of Nav-->
    <div class="container-fluid author">

    </div>
    <footer id="footer" class="footer">
    </footer>
    <script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx" crossorigin="anonymous"></script>
```

```
<script src="https://kit.fontawesome.com/a076d05399.js"></script>  
<script src="main.js"></script>  
</body>  
</html>
```

## cart.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAY5uIKz4rEkGIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.15.1/css/all.css" integrity="sha384-vp86vTRFVJgppjF9jiIGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=swap" rel="stylesheet">
  <script src="https://code.jquery.com/jquery-3.6.0.js" integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk=" crossorigin="anonymous"></script>
  <link rel="stylesheet" href="style.css">
  <link rel="icon" type="image/x-icon" href="/images/favicon.png">
  <title> WatchOut</title>
</head>
<body>
  <!--Nav-->
  <nav class="navbar fixed-top navbar-expand-sm navbar-dark bg-black">
    <div class="container">
      <a href="index.html" class="navbar-brand"> WatchOut</a>
      <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarCollapse">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarCollapse">
        <ul class="navbar-nav ml-auto" id="navbarLinks">
        </ul>
      </div>
    </div>
  </nav>
  <div class="container cart-container pt-5 mt-5">
    <div class="row mt-5">
      <div class="col-lg-8 offset-2">
        <div class="cart-header d-flex justify-content-around text-center">
          <h5 class="cart-title heading mr-lg-5">PRODUCT</h5>
          <h5 class="cart-title heading ml-5">PRICE</h5>
          <h5 class="cart-title heading">QUANTITY</h5>
          <h5 class="cart-title heading">TOTAL</h5>
        </div>
        <div class="cart-products">
        </div>
      </div>
    </div>
  </div>
```

```
</div>
<footer id="footer" class="footer mt-5">
</footer>
<script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-
9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bund
le.min.js" integrity="sha384-
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx" crossorigin="anony
mous"></script>
<script src="https://kit.fontawesome.com/a076d05399.js"></script>
<script src="main.js"></script>
</body>
</html>
```

## III.2 CSS

### style.css

```
body{
    margin: 0;
    padding: 0;
    font-family: 'Poppins', sans-serif;
    background: #f5f5f5;
}
a{
    text-decoration: none;
}
.navbar{
    position: fixed;
}
.navbar .nav-link{
    font-size: 14px;
    padding-left: 0.7rem !important;
    padding-right: 0.7rem !important;
}
.navbar-toggler{
    outline: none !important;
}
.bg-black{
    background-color: #0e1111 ;
}

/* Slider*/
.carousel-item{
    height: 600px;
}
.carousel-image-1{
    background: linear-gradient(rgba(0,0,0,.3),rgba(0,0,0,.3)),url(images/hero-image.jpg);
    background-size: cover;
    background-position: center;
}
.carousel-image-2{
    background: linear-gradient(rgba(0,0,0,.3),rgba(0,0,0,.3)),url(images/image-2.jpg);
    background-size: cover;
    background-position: center;
}
.carousel-image-3{
    background: linear-gradient(rgba(0,0,0,.3),rgba(0,0,0,.3)),url(images/image-3.jpg);
    background-size: cover;
    background-position: center;
}
```

```

.title-color{
    color:#fff;
}
.btn-color{
    background: #0e1111;
    color: #696969;
}
.btn-color:hover{
    color:#fff;
}

}
@keyframes slide-btn{
    16%{
        transform: translateY(8px);
    }
    33%{
        transform: translateY(-6px);
    }
    50%{
        transform: translateY(4px);
    }
    65%{
        transform: translateY(-2px);
    }
    85%{
        transform: translateY(1px);
    }
    100%{
        transform: translateY(0);
    }
}
.slide-btn{
    display: inline-block;
    vertical-align: middle;
    transform:perspective(1px) translateZ(0);
    box-shadow: 0 0 1px rgba(0,0,0,0);
}
.slide-btn:hover,
.slide-btn:focus,
.slide-btn:active{
    animation-name: slide-btn;
    animation-duration: 1s;
    animation-timing-function: ease-in-out;
    animation-iteration-count: 1;
}
/*End of Slider*/
/*Sevice Section*/
.service-icon{
    display: inline-block;
    font-size:32px;
    margin-bottom: 16px;
    color:#0e1111;
    padding: 8px 16px;
}

```

```

}
/*End of Sevice Section*/
/*Products Section*/
#featuredProducts{
    background:#0e1111;
}
.product-title{
    color:#fff;
}
.single-item{
    display: inline-block;
    vertical-align: middle;
    transform: perspective(1px)translateZ(0);
    box-shadow: 0 0 1px rgb(247,247,247);
    position:relative;
    transition-duration: 0.3s;
    transition-property: transform;
    cursor: pointer;
}
.single-item:before{
    pointer-events: none;
    position: absolute;
    z-index: -1;
    content: "";
    top:100%;
    left: 5%;
    height: 10px;
    width: 90%;
    opacity: 0;
    background: radial-gradient(ellipse at center, rgba(248,248,248,0.35)0%,
    rgba(247,244,244,0)80%);
    transition-duration: 0.3s;
    transition-property: transform, opacity;
}
.single-item:hover,
.single-item:focus,
.single-item:active{
    transform: translateY(-5px);
}
.single-item:hover:before,
.single-item:focus:before,
.single-item:active:before{
    opacity: 1;
    transform: translateY(5px);
}
.img-container{
    position: relative;
    overflow: hidden;
    cursor: pointer;
}
.img-container{
    display: inline-block;
    vertical-align:middle;

```



```

    transform:perspective(1px) translateZ(0);
    box-shadow: 0 0 1px rgba(0,0,0,0);
    transition-duration: 0,3s;
    transition-property: box-shadow, transform;
}
.img-container:hover,
.product-img:focus,
.product-img:active{
    box-shadow: 1px 0px 1px 4px rgba(247,243,243,0.9);
    transform: scale(1.1);
}
/*End of Products Section*/
/*About Section*/
#about-sec{
    margin-top: 25px;
}
.text-color{
    color:#0e1111;
}
.watch-img{
    margin-top:35px;
}
.watch-img{
    animation-name: imgLeft;
    animation-duration: 3s;
}
.about-text{
    animation-name: textRight;
    animation-duration:3s;
}
@keyframes imgLeft{
    0%{
        transform: translateX(-120px);
        opacity: 0;
    }
    100%{
        transform: translateX(0);
        opacity: 1;
    }
}
@keyframes textRight{
    0%{
        transform: translateX(30px);
        opacity: 0;
    }
    100%{
        transform: translateX(0);
        opacity: 1;
    }
}
/*End of About Section*/
/*Best Seller Section*/
.seller{

```

```

        background: #0e1111;
        color: #fff;
        margin-top: 30px;
    }
    .img-top{
        margin-top: 10px;
    }
    .seller-item{
        text-align: right;
    }
    .img-bestseller{
        object-fit: cover;
    }
    .seller-item p{
        background: rgba(0,0,0,0.9);
        position: absolute;
        right:30px;
        left:30px;
        padding:10px 0;
        color:#fff;
        font-weight: bold;
        cursor: pointer;
        opacity: 0;
        transition: opacity 0.35s, trnasform 0.35s;
        bottom:30px;
        line-height: 1.5;
        transform: translate3d(0,100,0);
    }
    .seller-item:hover p{
        opacity: 1;
        transform: translate3d(0,0,0);
    }

```

```

/*End of Best Seller Section*/
/*Contact Us Section*/

```

```

@keyframes cont-btn{
    16%{
        transform: translateY(8px);
    }
    33%{
        transform: translateY(-6px);
    }
    50%{
        transform: translateY(4px);
    }
    65%{
        transform: translateY(-2px);
    }
    85%{
        transform: translateY(1px);
    }
    100%{

```

```

        transform: translateY(0);
    }
}
.cont-btn{
    display: inline-block;
    vertical-align: middle;
    transform:perspective(1px) translateZ(0);
    box-shadow: 0 0 1px rgba(0,0,0,0);
}
.cont-btn:hover,
.cont-btn:focus,
.cont-btn:active{
    animation-name: slide-btn;
    animation-duration: 1s;
    animation-timing-function: ease-in-out;
    animation-iteration-count: 1;
}

```

```

/*End of Contact Us Section*/
/*FOOTER*/

```

```

.footer{
    background:black;
    color:#fff;
}
.fab{
    padding-left:10px;
    color:#fff
}
/*End of FOOTER*/
/*ALL Products*/
#products{
    padding-top:30px;
}
.list-group-item a{
    color:#0e1111
}
.product-card a{
    color:#0e1111;
    font-weight: bold;
    text-decoration: none;
}
.btn-color a{
    color:#fff;
    text-decoration: none;
}

```

```

/*End of ALL Products*/

```

```

/*Cart*/

```

```

.cart-header{
    border-bottom: 3px solid #696969;
}
.cart-products i{
    font-size: 30px;
    color:red;
}

```

```
        cursor: pointer;
    }
    .cart-cart{
        border-bottom: 1px solid #696969;
    }
    .cart-product span{
        font-weight: bold;
        font-size: 14 ;
    }
    .img-cart{
        height: 8rem;
    }
    .emptyCart{
        height: 100vh;
    }
    /*End of Cart*/
    .error{
        border: red;
    }
    .author{
        height: 100vh;
        padding-top: 10rem;
        background-color: #0e1111;
        padding-right: 15rem;
        padding-left: 15rem;
    }
    .author .col-6{
        background-color: #f5f5f5;
    }
}
```

## III.3 JAVASCRIPT

### main.js

```
$(document).ready(() => {  
    //nizovi  
  
    var brandsArray = [];  
    let genderArray = [];  
  
    //AJAX callback  
  
    ajax("navbar", function (response) {  
        displayNavLinks(response);  
    });  
  
    ajax("carouselLinks", function (response) {  
        displayCarouselBars(response);  
    });  
  
    ajax("carouselItems", function (response) {  
        displayCarouselItems(response);  
    });  
  
    ajax("services", function (response) {  
        displayServices(response);  
    });  
  
    ajax("sectionTitle", function (response) {  
        displaySectionTitles(response);  
    });  
  
    ajax("aboutCompany", function (response) {  
        displayAboutCompany(response);  
    });  
  
    ajax("contactForm", function (response) {  
        displayContactForm(response);  
    });  
  
    ajax("footer", function (response) {  
        displayFooter(response);  
    });  
  
    ajax("products", function (response) {  
        const bestsellers = [];  
        for (let p of response) {  
            if (p.bestseller) bestsellers.push(p);  
        }  
        displayFeaturedProducts(response);  
  
        displayBestSellers(bestsellers);  
        displayAllProducts(response);  
    });  
});
```

```
    search(response);
  });
```

```
  ajax("brands", function (response) {
    displayBrands(response);
  });
```

```
  ajax("genders", function (response) {
    displayGender(response);
  });
```

```
  ajax("sort", function (response) {
    displaySort(response);
  });
```

```
  ajax("aboutMe", function(response){
    displayAuthor(response);
  })
```

```
  displayCart();
```

```
$("#sort").change(filterDisplay)
const remove = document.querySelector(".remove");
```

```
//ajax callback
```

```
function ajax(item, result) {
  $.ajax({
    url: "data/" + item + ".json",
    method: "get",
    datatype: "json",
    success: result,
    error: function (err) {
      console.log(err);
    },
  });
}
```

```
//prikaz navbara
```

```
function displayNavLinks(links) {
  var html = "";
  for (let link of links) {
    if (link.name == "Cart") {
      html += `
        <li class="nav-item" >
          <a href="${
            link.href
          }" class="nav-link cart"><i class="fas fa-shopping-
cart"></i><span class="ml-2">${onLoadCartNumbers()}</span></a>
        </li>`;
    }
  }
}
```

```

    } else {
      html += `
        <li class="nav-item">
          <a href="${link.href}" class="nav-link">${link.name}</a>
        </li>`;
    }
  }
  $("#navbarLinks").html(html);
}

```

*//prikaz slider*

```

function displayCarouselBars(bars) {
  let html = "";
  for (let bar of bars) {
    if (bar.id == 0) {
      html += `
        <li data-target="#Carousel" data-slide-
to="${bar.id}"class="active"></li>
      `;
    } else {
      html += `
        <li data-target="#Carousel" data-slide-to="${bar.id}"></li>
      `;
    }
  }
  $("#CarouselBars").html(html);
}

function displayCarouselItems(items) {
  let html = "";
  for (let item of items) {
    if (item.id == 1) {
      html += `
        <!--Carousel Item-->
        <div class="carousel-item carousel-image-${item.id} active">
          <div class="container">
            <div class="carousel-caption d-none d-sm-block text-right mb-5">
              <h1 class="display-3 title-color">${item.title}</h1>
              <p class="lead">${item.lead}<p>
              <a href="${item.button.href}" class="btn btn-color slide-
btn btn-lg">
                ${item.button.text}
              </a>
            </div>
          </div>
        </div>
        <!-- End of Carousel Item-->
      `;
    } else if (item.id == 3) {
      html += `
        <!--Carousel Item-->
        <div class="carousel-item carousel-image-${item.id}">
          <div class="container">

```

```

        <div class="carousel-caption d-none d-sm-block text-right mb-5">
            <h1 class="display-3 title-color">${item.title}</h1>
            <p class="lead">${item.lead}<p>
            <a href="${item.button.href}" class="btn btn-color slide-
btn btn-lg">
                ${item.button.text}
            </a>
        </div>
    </div>
</div>
<!-- End of Carousel Item-->
<a href="#Carousel" data-slide="prev" class="carousel-control-prev">
    <span class="carousel-control-prev-icon"></span>
</a>
<a href="#Carousel" data-slide="next" class="carousel-control-next">
    <span class="carousel-control-next-icon"></span>
</a>
`;
} else {
    html += `
        <!--Carousel Item-->
        <div class="carousel-item carousel-image-${item.id}">
            <div class="container">
                <div class="carousel-caption d-none d-sm-block text-right mb-5">
                    <h1 class="display-3 title-color">${item.title}</h1>
                    <p class="lead">${item.lead}<p>
                    <a href="${item.button.href}" class="btn btn-color slide-
btn btn-lg">
                        ${item.button.text}
                    </a>
                </div>
            </div>
        </div>
        <!-- End of Carousel Item-->
        `;
    }
}
$("#CarouselItems").html(html);
}

```

```
//prikaz services
```

```

function displayServices(services) {
    let html = "";
    for (let service of services) {
        html += `
            <!--Single Service-->
            <div class="col-10 mx-auto col-md-6 col-lg-4 my-3">
                <span class="service-icon">
                    <i class="${service.icon}"></i>
                </span>
                <h5 class="font-weight-bold text-uppercase">
                    ${service.title}
                </h5>
            </div>
        `;
    }
}

```



```

        </h5>
        <p class="text-capitalize">${service.description}</p>
    </div>
    <!--End of Single Service-->
    `;
}
$("#services").html(html);
}

```

*//prikaz naslova*

```

function displaySectionTitles(titles) {
    let html = "";
    for (let title of titles) {
        html += `
            <div class="col-10 mx-auto col-sm-6 text-center">
                <h1 class="text-capitalize product-title">
                    ${title.title}
                </h1>
            </div>
        `;
        $(title.location).html(html);
        html = "";
    }
}

```

*//prikaz izdvojenih proizvoda*

```

function displayFeaturedProducts(products) {
    let html = "";
    for (let product of products) {
        if (product.featured) {
            html += `
                <div class="col-10 col-sm-8 col-lg-4 mx-auto my-3">
                    <div class="card single-item">
                        <div class="img-container">
                            
                        </div>
                        <div class="card-body">
                            <div class="card-text d-flex justify-content-
between text-capitalize">
                                <h5 id="item-name">${product.model}</h5>
                                <span><i class="fas fa-dollar-
sign"></i>${Intl.NumberFormat(
                                    "de-DE"
                                ).format(product.price)}</span>
                            </div>
                            <div class="card-text">
                                <span>${product.brand.name}</span>
                                <p>${product.description}</p>
                            </div>
                        </div>
                    </div>
                </div>
            `;
        }
    }
    $("#featured-products").html(html);
}

```

```

        </div>
      </div>
    `;
  }
}
$("#product-items").html(html);
}

```

*//prikaz o kompaniji*

```

function displayAboutCompany(info) {
  let html = `
    <div class="col-lg-5 text-center">
      
    </div>
    <div class="col-lg-7 text-lg-right text-center text-color about-text">
      <h1>${info.title}</h1>
      <p class="text">${info.description}</p>
    </div>`;
  $("#aboutCompany").html(html);
}

```

*//prikaz kontakt forme + obrada*

```

function displayContactForm(inputs) {
  let html = `<h2 class="section-heading text-center">Contact Us</h2>
  <form class="col-lg-6 offset-lg-3" id="contactForm">`;
  for (let input of inputs) {
    if (input.type == "textarea") {
      html += `
        <div class="form-group">
          <label for="${input.name}">${input.placeholder}</label>
          <textarea id="${input.name}" cols="30" rows="10" class="form-control" placeholder="${input.placeholder}" ></textarea>
        </div>
        <div class="col-sm-6">
          <div class="seller-item">

            </div>

          </div>
        `;
    } else if (input.type == "checkbox") {
      html += `
        <div class="form-group form-check">
          <input type="${input.type}" id="${input.name}" class="form-check-input">
          <label for="${input.name}" class="form-check-label">${input.placeholder}</label>
        </div>
        `;
    } else if (input.type == "button") {
      html += `
        <span id="errors" class="alert"></span>

```

```

        <div class="text-center mt-4">
            <button id ="${input.name}"class="btn btn-lg btn-color cont-
btn">${input.placeholder}</button>
        </div>
    `;
} else {
    html += `
        <div class="form-group">
            <label for="${input.name}">${input.placeholder}</label>
            <input type="${input.type}" id="${input.name}" class="form-
control" placeholder="${input.placeholder}">
        </div>
    `;
}
}
html += `

</form>
`;
$("#contactForm").html(html);

```

```
//kontakt form
```

```

const email = $("#email");
const name = $("#name");
const message = $("#message");
const button = $("#button");
const check = $("#check");

```

```

button.on("click", function (e) {
    e.preventDefault();
    const errorSpan = $("#errors");
    let err = 0;
    if (email.val() == "" || name.val() == "" || message.val() == "") {
        err++;
        errorSpan.addClass("alert-danger");
        errorSpan.html("All Fields Must Be Filled In!");
    } else {
        errorSpan.removeClass("alert-danger");
        errorSpan.html("");
        if (!testEmail(email.val())) {
            err++;
            errorSpan.addClass("alert-danger");
            errorSpan.html("Invalid Email\n(example: user@mail.com)");
        } else {
            errorSpan.removeClass("alert-danger");
            errorSpan.html("");
            if (!testName(name.val())) {
                err++;
                errorSpan.addClass("alert-danger");
                errorSpan.html("Invalid Name\n(example: John Doe)");
            } else {
                errorSpan.removeClass("alert-danger");
            }
        }
    }
}

```





```

        </div>
    `;
    }
}
html += `</div>`;
$("#bestsellers").html(html);
}

```

*//prikaz brendova + filtriranje*

```

function displayBrands(brands) {
    let html = `
    `;
    for (let brand of brands) {
        html += `
        <li class="list-group-item" >
            <input type="checkbox" value="${brand.id}" class="btn-
brand" name="brands"/> ${brand.name}

        </li>
        `;
    }
    $("#brands").html(html);
    brandsArray = brands;
    $('#brands').change(filterDisplay);
}

```

```

}

```

*//FILTRIRANJE PO BRENDU*

```

function brandFilter(data){

    let selectedBrands = [];
    $('.btn-brand:checked').each(function(el){
        selectedBrands.push(parseInt($(this).val()));
    });
    if(selectedBrands.length != 0){
        return data.filter(x => selectedBrands.includes(x.brand.id))
    }
    return data;
}

```

*//prikaz pola*

```

function displayGender(genders) {
    let html = ``;
    for (let gender of genders) {
        html += `
        <li class="list-group-item">
            <input type="checkbox" value="${gender.id}" class="btn-
gender" name="genres"/> ${gender.name}
        </li>
        `;
    }
}

```

```

}
$("#gender").html(html);
genderArray = genders;
$('#gender').change(filterDisplay);
}

```

*//FILTRIRANJE pola*

```
function genderFilter(data){
```

```

    let selectedGender = [];
    $('.btn-gender:checked').each(function(el){
        selectedGender.push(parseInt($(this).val()));
    });
    if(selectedGender.length != 0){
        return data.filter(x => selectedGender.includes(x.gender.id))
    }
    return data;
}

```

*//prikaz svih proizvoda*

```

function displayAllProducts(products) {
    products = brandFilter(products);
    products = genderFilter(products)
    products = sort(products);
    let html = "";
    for (let product of products) {
        html += `
            <div class="col-lg-4 col-md-6 mb-4">
                <div class="card h-100" data-cat="${product.brand.id}">
                    <a href="#"></a>
                    <div class="card-body">
                        <h4 class="card-title product-card">
                            <a href="#">${product.model}</a>
                        </h4>
                        <h6>${product.brand.name}</h6>
                        <h5>${Intl.NumberFormat("de-DE").format(product.price)}</h5>
                        <p class="card-text">
                            ${product.gender.name}
                        </p>
                        <p class="card-text">${product.description}</p>
                        <button class="btn btn-color"><a class="add-to-
cart" href="#">Add to Cart</a></button>
                    </div>
                </div>
            </div>
        `;
    }
}

```

```
//DODAVANJE U KORPU
```

```
$("#products").html(html);
const addToCart = document.querySelectorAll(".add-to-cart");
for (let i = 0; i < addToCart.length; i++) {
  addToCart[i].addEventListener("click", function (e) {
    e.preventDefault();
    cartNumbers(products[i]);
    totalCost(products[i].price);
  });
}
}
```

```
//cart nav
```

```
function onLoadCartNumbers() {
  if (localStorage.getItem("cartNumbers") == null) {
    return 0;
  } else {
    return localStorage.getItem("cartNumbers");
  }
}
```

```
//broj proizvoda u korpi
```

```
function cartNumbers(product) {
  let productNumbers = localStorage.getItem("cartNumbers");
  productNumbers = parseInt(productNumbers);
  if (productNumbers) {
    setItemToLocalStorage("cartNumbers", productNumbers + 1);
    $(".cart span").html(productNumbers + 1);
  } else {
    setItemToLocalStorage("cartNumbers", 1);
    $(".cart span").html(1);
  }
  setItems(product);
}
```

```
//dodavanje proizvoda u korpu
```

```
function setItems(product) {
  let cartItems = localStorage.getItem("productsInCart");
  cartItems = JSON.parse(cartItems);
  if (cartItems != null) {
    if (cartItems[product.model] == undefined) {
      cartItems = {
        ...cartItems,
        [product.model]: product,
      };
    }
    cartItems[product.model].inCart += 1;
  } else {
    product.inCart = 1;
  }
}
```



```

    cartItems = {
      [product.model]: product,
    };
  }
  setItemToLocalStorage("productsInCart", JSON.stringify(cartItems));
}

```

*//ukupna cena*

```

function totalCost(price) {
  let cartCost = localStorage.getItem("totalCost");
  if (cartCost != null) {
    cartCost = parseInt(cartCost);
    setItemToLocalStorage("totalCost", cartCost + price);
  } else {
    setItemToLocalStorage("totalCost", price);
  }
}

```

*//prikaz korpe*

```

function displayCart() {
  let cartItems = localStorage.getItem("productsInCart");
  let cartCost = localStorage.getItem("totalCost");
  cartItems = JSON.parse(cartItems);
  let productContainer = $(".cart-products");
  if (cartItems && productContainer && cartItems.length!=0) {
    html = "";
    Object.values(cartItems).map((item) => {
      html += `
        <div class="row cart-cart p-5 my-5">
          <div class="cart-product float-right">
            <span class="remove" onclick="removeItem(${item.id}) "><i class="fa
r fa-window-close"></i></span>
            
            <span>${item.image.alt}</span>
          </div>
          <div class="price mx-5">${Intl.NumberFormat("de-DE").format(
item.price
)}</div>
          <div class="quantity pt-5 ml-lg-5">
            <span>${item.inCart}</span>
          </div>
          <div class="total ml-5 pl-2float-right">${Intl.NumberFormat(
"de-DE"
).format(item.inCart * item.price)}</div>
        </div>
      `;
    });
    html += `<div class="row float-right">
      <div class="basketTotalContainer ">
        <h4 class="basketTotalTitle">

```

```

        Basket Total
    </h4>
    <h4 class="basketTotal ">
        ${Intl.NumberFormat("de-DE").format(cartCost)}
    </h4>
    <button onclick="shopAlert()"class="btn btn-danger">Clear Cart</button>
    <button onclick="shopAlert()"class="btn btn-color">Buy</button>
</div>
</div>
`;
productContainer.html(html);
} else {
    html = `<div class="emptyCart col-12 m-5 text-center"><h1>YOUR CART IS EMPTY<h1></div>`;
    $(".cart-container").html(html);
}
}

```

```
//remove item
```

```

function removeItem(id){
    var cartnumber = localStorage.getItem('cartNumbers')
    cartnumber = JSON.parse(cartnumber)
    cartnumber--
    if(cartnumber===0){
        localStorage.removeItem('cartNumbers')
    }
    else{
        localStorage.setItem('cartNumbers',cartnumber)
    }
    var totalCost = localStorage.getItem('totalCost')
    totalCost = JSON.parse(totalCost)
    var cart = localStorage.getItem('productsInCart')
    cart = JSON.parse(cart)
    cart = Object.values(cart)
    var product = cart.find(x=>x.id==id)
    totalCost-=product.price
    if(totalCost===0){
        localStorage.removeItem('totalCost')
    }
    else{
        localStorage.setItem('totalCost', totalCost)
    }
    cart = cart.filter(x=>x.id!=id)
    localStorage.setItem('productsInCart',JSON.stringify(cart))
    location.reload();
}

```

```
//klik na buy
```

```

function shopAlert() {
    alert("Thank you for your purchase!");
    localStorage.clear();
    location.reload();
}

```

```
}
```

```
//clearCart
```

```
function shopAlert(){  
  localStorage.clear();  
  location.reload();  
}
```

```
//local-storage
```

```
function setItemToLocalStorage(key, value) {  
  localStorage.setItem(key, value);  
}
```

```
//search function
```

```
function search(products) {  
  const search = $("#search");  
  search.on("keyup", (e) => {  
    const searchString = e.target.value.toLowerCase();  
    const filtered = products.filter((product) => {  
      return (  
        product.model.toLowerCase().includes(searchString) ||  
        product.description.toLowerCase().includes(searchString) ||  
        product.brand.name.toLowerCase().includes(searchString)  
      );  
    });  
    displayAllProducts(filtered);  
  });  
}
```

```
// sortiranje
```

```
function displaySort(items) {  
  let html = `<option value="0" selected>Select</option>`;  
  for (let item of items) {  
    html += `  
    <option value="${item.id}">${item.name}</option>  
    `;  
  }  
  $("#sort").html(html);  
}  
function sort(products) {  
  const sortType = $("#sort").val();  
  if (sortType == 1) {  
    return products.sort((a, b) => (a.price > b.price ? 1 : -1));  
  } else if (sortType == 2) {  
    return products.sort((a, b) => (a.price < b.price ? 1 : -1));  
  } else if (sortType == 3) {  
    return products.sort((a, b) => (a.model > b.model ? 1 : -1));  
  } else if (sortType == 4) {  
    return products.sort((a, b) => (a.model < b.model ? 1 : -1));  
  } else {
```

```
        return products;
    }
}
function filterDisplay(){
    ajax('products',displayAllProducts);
}
```

```
//prikaz autora
```

```
function displayAuthor(author){
    html = `
    <div class="row">
    <div class="col-lg-6">
        
    </div>
    <div class="col-6 text-center pt-5">
        <h1>${author.ime} ${author.prezime}</h1>
        <h2>${author.brojIndeksa}/${author.godinaIndeksa}</h2>
        <p>${author.kratakOpis}</p>
    </div>
    </div>
    `
    $(".author").html(html)
}
```

```
});
```

## III.4 JSON

### aboutCompany.json

```
{
  "id" :1,
  "title" : "About Company",
  "description": "Lorem, ipsum dolor sit amet consectetur adipisicing elit. Totam
natus molestias aliquid fugiat veritatis numquam magnam explicabo rerum illo ipsa te
netur enim, ullam sequi qui!",
  "img":{
    "src": "images/image-3.jpg",
    "alt": "Company"
  }
}
```

## aboutMe.json

```
{
  "ime": "Dimitrije",
  "prezime": "Jovanović",
  "brojIndeksa": 35,
  "godinaIndeksa": 19,
  "datumRodjenja": {
    "dan": 26,
    "mesec": 7,
    "godina": 1999
  },
  "mestoRođenja": "Pirot",
  "školovanje": {
    "srednjaŠkola": {
      "naziv": "Gimnazija u Pirot",
      "završio": true
    },
    "fakultet": {
      "naziv": "Visoka škola ICT",
      "završio": false
    }
  },
  "image": {
    "src": "images/ja.jpg",
    "alt": "author.jpg"
  },
  "kratakOpis": "Zovem se Dimitrije a prezivam Jovanović, dolazim iz Pirota i trenutno studiram visoku školu ICT u Beogradu"
}
```

## brands.json

```
[
  {
    "id": 1,
    "name": "Rolex"
  },
  {
    "id": 2,
    "name": "Patek Philipe"
  },
  {
    "id": 3,
    "name": "Cartier"
  },
  {
    "id": 4,
    "name": "Jaeger-LeCoultre"
  },
  {
    "id": 5,
    "name": "Richard Mille"
  }
]
```

## carouselItems.json

```
[
  {
    "id":1,
    "title": "Best Luxury Watches Retailer",
    "lead": "We belive in quality",
    "button":{
      "href": "products.html",
      "text": "See Products"
    }
  },
  {
    "id":2,
    "title": "We're here to help",
    "lead": "Our customer service is always there to help you with anything you
need",
    "button":{
      "href": "contact.html",
      "text": "Contact US"
    }
  },
  {
    "id":3,
    "title": "Keeping the Tradition Alive",
    "lead": "Learn more about our Company history and values",
    "button":{
      "href": "about.html",
      "text": "Learn More"
    }
  }
]
```



## carousellLinks.json

```
[  
  {  
    "id":0  
  },  
  {  
    "id":1  
  },  
  {  
    "id":2  
  }  
]
```

## contactForm.json

```
[
  {
    "id": 1,
    "name": "email",
    "type": "email",
    "placeholder": "Email"
  },
  {
    "id": 2,
    "name": "name",
    "type": "text",
    "placeholder": "Name"
  },
  {
    "id": 3,
    "name": "message",
    "type": "textarea",
    "placeholder": "Messege"
  },
  {
    "id": 4,
    "name": "check",
    "type": "checkbox",
    "placeholder": "Subscribe to news letter"
  },
  {
    "id": 4,
    "name": "button",
    "type": "button",
    "placeholder": "Submit"
  }
]
```

## footer.json

```
{
  "id":1,
  "companyName": "WatchOut",
  "description": "We Belive in Good Time",
  "social":
  {
    "facebook":
    {
      "href": "https://www.facebook.com/",
      "icon": "fab fa-facebook"
    },
    "instagram":
    {
      "href": "https://www.instagram.com/",
      "icon": "fab fa-instagram"
    },
    "twitter":
    {
      "href": "https://www.twitter.com/",
      "icon": "fab fa-twitter"
    }
  },
  "copyright": "&copy;Copyright WatchOut"
}
```

## genders.json

```
[
  {
    "id": 1,
    "name": "female"
  },
  {
    "id": 2,
    "name": "male"
  }
]
```

## navbar.json

```
[
  {
    "id": 1,
    "name": "Home",
    "href": "index.html"
  },
  {
    "id": 2,
    "name": "Products",
    "href": "products.html"
  },
  {
    "id": 3,
    "name": "Contact Us",
    "href": "contact.html"
  },
  {
    "id": 4,
    "name": "About",
    "href": "about.html"
  },
  {
    "id": 5,
    "name": "Documentation",
    "href": "documentation.pdf"
  },
  {
    "id": 6,
    "name": "Cart",
    "href": "cart.html"
  }
]
```

## products.json

```
[
  {
    "id" : 1,
    "model": "Submariner",
    "price": 13699,
    "image": {
      "src": "images/rolex-submariner.jpg",
      "alt": "Rolex Submariner"
    },
    "brand": {
      "id": 1,
      "name": "Rolex"
    },
    "description": " This Men's Rolex Submariner has an attractive Black Dial with Luminous Dial Markers.",
    "featured": true,
    "bestseller": false,
    "gender": {
      "id": 2,
      "name": "men"
    },
    "inCart": 0
  },
  {
    "id" : 2,
    "model": "Daytona",
    "price": 37499,
    "image": {
      "src": "images/rolex-daytona.jpg",
      "alt": "Rolex Daytona"
    },
    "brand": {
      "id": 1,
      "name": "Rolex"
    },
    "description": "Rolex Daytona Yellow Gold Black Index Dial Ceramic Bezel Oysterflex Rubber Bracelet 116518LN",
    "featured": false,
    "bestseller": false,
    "gender": {
      "id": 2,
      "name": "men"
    },
    "inCart": 0
  },
  {
    "id" : 3,
    "model": "Sky-Dweller",
```

```

    "price": 37199,
    "image": {
      "src": "images/rolex-skydweller.jpg",
      "alt": "Rolex Sky-dweller"
    },
    "brand": {
      "id": 1,
      "name": "Rolex"
    },
    "description": "Rolex Sky-
Dweller Rose Gold White Index Dial Fluted Bezel Leather Strap 326135 - BRAND NEW",
    "featured": true,
    "bestseller": false,
    "gender": {
      "id": 2,
      "name": "male"
    },
    "inCart": 0
  },
  {
    "id": 4,
    "model": "GMT Master II",
    "price": 15300,
    "image": {
      "src": "images/rolex-gmt.png",
      "alt": "Rolex GMT"
    },
    "brand": {
      "id": 1,
      "name": "Rolex"
    },
    "description": "Rolex GMT-
Master II White Gold Blue Luminous Dial & Red/Blue Ceramic Bezel Oyster Bracelet 126
719BLRO - BRAND NEW",
    "featured": false,
    "bestseller": true,
    "gender": {
      "id": 2,
      "name": "male"
    },
    "inCart": 0
  },
  {
    "id": 5,
    "model": "Day-Date",
    "price": 43399,
    "image": {
      "src": "images/rolex-daydate.jpg",
      "alt": "Rolex Day-Date"
    },
    "brand": {
      "id": 1,
      "name": "Rolex"
    }
  }

```

```

    },
    "description": "This certified authentic Brand New Rolex Day-
Date 40 Dress Watch, with the Model Number: 228239, has a White Gold 40 mm Round Cas
e with Screw Down Crown and a White Gold Bezel.",
    "featured": true,
    "bestseller": false,
    "gender": {
        "id": 2,
        "name": "male"
    },
    "inCart": 0
}
,
{
    "id" : 6,
    "model": "Nautilus",
    "price": 47999,
    "image": {
        "src": "images/patek-nautilus.jpg",
        "alt": "Patek Philippe Nautilus"
    },
    "brand": {
        "id": 2,
        "name": "Patek Philippe"
    },
    "description": "This certified authentic Brand New Patek Philippe Nautilus ,
with the Model Number: 7118/1200A-
011, has a Stainless Steel 38 mm Round Case with Screw Down Crown and a Stainless St
eel Bezel. ",
    "featured": true,
    "bestseller": false,
    "gender": {
        "id": 2,
        "name": "male"
    },
    "inCart": 0
},
{
    "id" : 7,
    "model": "Perpetual Calendar",
    "price": 48999,
    "image": {
        "src": "images/patek-calendar.jpg",
        "alt": "Patek Philippe Perpetual Calendar"
    },
    "brand": {
        "id": 2,
        "name": "Patek Philippe"
    },
    "description": "WC Da Vinci Perpetual Calendar Chronograph IW392104 Silver Ar
abic Platinum Leather 43mm - BRAND NEW",
    "featured": false,
    "bestseller": false,

```



```

        "gender":{
            "id":2,
            "name": "male"
        },
        "inCart":0
    },
    {
        "id" : 8,
        "model": "Sky Celestial",
        "price": 243999,
        "image": {
            "src": "images/patek-skycelestial.jpg",
            "alt": "Patek Philipe Sky Celestial "
        },
        "brand": {
            "id": 2,
            "name": "Patek Philipe"
        },
        "description":"This certified authentic Brand New Patek Philippe Grand Compl
ications Dress Watch, with the Model Number: 6102P-
001, has a Platinum 44 mm Round Case with Screw Down Crown and a Platinum Bezel.",
        "featured":true,
        "bestseller": false,
        "gender":{
            "id":2,
            "name": "male"
        },
        "inCart":0
    },
    {
        "id" : 9,
        "model": "Calatrava",
        "price": 39999,
        "image": {
            "src": "images/patek-calatrava.jpg",
            "alt": "Patek Philipe Calatrava"
        },
        "brand": {
            "id": 2,
            "name": "Patek Philipe"
        },
        "description":"This certified authentic Brand New Patek Philippe Calatrava D
ress Watch, with the Model Number: 4897R-
001, has a Rose Gold 33 mm Round Case with Screw Down Crown and a Factory Diamonds B
ezel.",
        "featured":false,
        "bestseller": false,
        "gender":{
            "id":1,
            "name": "female"
        },
        "inCart":0
    },

```

```

{
  "id" : 10,
  "model": "Aquanaut",
  "price": 45600,
  "image": {
    "src": "images/patek-aquanaut.png",
    "alt": "Patek Philippe Aquanaut"
  },
  "brand": {
    "id": 2,
    "name": "Patek Philippe"
  },
  "description": "Patek Philippe Aquanaut Black Dial Stainless Steel Bezel Rubber Bracelet 40.8 mm 5167A-001 - BRAND NEW",
  "featured": false,
  "bestseller": true,
  "gender": {
    "id": 1,
    "name": "female"
  },
  "inCart": 0
},
{
  "id" : 11,
  "model": "Tank Solo ",
  "price": 3599,
  "image": {
    "src": "images/cartier-tanksolo.jpg",
    "alt": "Cartier Tank Solo"
  },
  "brand": {
    "id": 3,
    "name": "Cartier"
  },
  "description": "This certified authentic Brand New Cartier Tank Solo Watch, with the Model Number: W5200028, has a Stainless Steel Extra-Large Rectangular Case with Cabochon Crown and a Stainless Steel. This Men's Cartier Tank Solo has an attractive Silver Dial with Roman Dial Markers. ",
  "featured": true,
  "bestseller": false,
  "gender": {
    "id": 1,
    "name": "female"
  },
  "inCart": 0
},
{
  "id" : 12,
  "model": "Ballon Bleu De Cartier",
  "price": 4879,
  "image": {
    "src": "images/cartier-cartier.png",

```

```

        "alt": "Cartier Ballon Bleu De Cartier"
    },
    "brand": {
        "id": 3,
        "name": "Cartier"
    },
    "description": "This certified authentic Brand New Cartier Ballon Bleu De Car
tier Watch, with the Model Number: WSB0028, has a Stainless Steel 36 mm Round Case
with Device protecting the crown Crown and a Stainless Steel Domed. ",
    "featured": false,
    "bestseller": true,
    "gender": {
        "id": 1,
        "name": "female"
    },
    "inCart": 0
},
{
    "id" : 13,
    "model": "Tank Anglaise",
    "price": 48999,
    "image": {
        "src": "images/cartier-tankanglise.jpg",
        "alt": "Cartier Tank Anglaise"
    },
    "brand": {
        "id": 3,
        "name": "Cartier"
    },
    "description": "This certified authentic Brand New Cartier Tank Anglaise , wi
th the Model Number: WT100009, has a White Gold Square Case with Device protecting t
he crown Crown and a Diamond Bezel. This Ladies Cartier Tank Anglaise has an attract
ive Silver Dial with Roman Dial Markers.",
    "featured": false,
    "bestseller": false,
    "gender": {
        "id": 1,
        "name": "female"
    },
    "inCart": 0
},
{
    "id" : 14,
    "model": "Cle De Silver",
    "price": 4699,
    "image": {
        "src": "images/cartier-cle.jpg",
        "alt": "Cartier"
    },
    "brand": {
        "id": 3,
        "name": "Cartier"
    },

```

```

        "description": "Cartier Cle De Silver Dial Stainless Steel Bezel Rose Gold &
Steel Bracelet 35mm W2CL0003 - BRAND NEW",
        "featured": false,
        "bestseller": false,
        "gender": {
            "id": 1,
            "name": "female"
        },
        "inCart": 0
    },
    {
        "id": 15,
        "model": "Ronde Solo De",
        "price": 6449,
        "image": {
            "src": "images/cartier-solo.jpg",
            "alt": "Ronde Solo De"
        },
        "brand": {
            "id": 3,
            "name": "Cartier"
        },
        "description": "Cartier Solo De Silver Dial Stainless Steel Bezel Rose Gold &
Steel Bracelet 35mm W2CL0003 - BRAND NEW",
        "featured": true,
        "bestseller": false,
        "gender": {
            "id": 1,
            "name": "female"
        },
        "inCart": 0
    },
    {
        "id": 16,
        "model": "Calibre",
        "price": 9899,
        "image": {
            "src": "images/jaeger-calibre.png",
            "alt": "Jaeger-LeCoultre Calibre"
        },
        "brand": {
            "id": 4,
            "name": "Jaeger-LeCoultre"
        },
        "description": "This certified authentic Brand New Jaeger LeCoultre Master Ge
ographic Dress Watch, with the Model Number: 1428421, has a Stainless Steel 39 mm Ca
se with Screw Down Crown and a Stainless Steel Bezel.",
        "featured": false,
        "bestseller": true,
        "gender": {
            "id": 2,
            "name": "male"
        },
    },

```

```

        "inCart":0
    },
    {
        "id" : 17,
        "model": "Master Ultra Thin",
        "price": 5999,
        "image": {
            "src": "images/jaeger-thin.jpg",
            "alt": "Jaeger-LeCoultre Master Ultra Thin"
        },
        "brand": {
            "id": 4,
            "name": "Jaeger-LeCoultre"
        },
        "description": "Jaeger LeCoultre Master Ultra Thin Moon Stainless Steel Silver Index Dial 39 mm 1368420",
        "featured": true,
        "bestseller": false,
        "gender": {
            "id": 2,
            "name": "male"
        },
        "inCart":0
    },
    {
        "id" : 18,
        "model": "Reverso",
        "price": 8799,
        "image": {
            "src": "images/jaeger-reverso.jpg",
            "alt": "Jaeger-LeCoultre Reverso"
        },
        "brand": {
            "id": 4,
            "name": "Jaeger-LeCoultre"
        },
        "description": "Jaeger-LeCoultre Reverso Tribute Duoface Stainless Steel Blue/Grey Dial Leather Strap 3988482 - BRAND NEW",
        "featured": false,
        "bestseller": false,
        "gender": {
            "id": 1,
            "name": "female"
        },
        "inCart":0
    },
    {
        "id" : 19,
        "model": "Master Contro",
        "price": 19599,
        "image": {
            "src": "images/jaeger-master.png",

```

```

        "alt": "Jaeger-LeCoultre Master Contro"
    },
    "brand": {
        "id": 4,
        "name": "Jaeger-LeCoultre"
    },
    "description": "Jaeger-
LeCoultre Master Contro Tribute Duoface Stainless Steel Blue/Grey Dial Leather Strap
3988482 - BRAND NEW",
    "featured": false,
    "bestseller": true,
    "gender": {
        "id": 2,
        "name": "male"
    },
    "inCart": 0
},
{
    "id" : 20,
    "model": "Perpetual",
    "price": 17599,
    "image": {
        "src": "images/jaeger-prepetual.jpg",
        "alt": "Jaeger-LeCoultre Perpetual"
    },
    "brand": {
        "id": 4,
        "name": "Jaeger-LeCoultre"
    },
    "description": "Jaeger-
LeCoultre Calibre 868/1 Master Ultra Thin Perpetual 130842J Silver Index Stainless S
teel Leather 39mm Automatic BRAND NEW",
    "featured": false,
    "bestseller": false,
    "gender": {
        "id": 2,
        "name": "male"
    },
    "inCart": 0
},
{
    "id" : 21,
    "model": "Lady Ceramic",
    "price": 199999,
    "image": {
        "src": "images/richard-lady.jpg",
        "alt": "Richard Mille Lady Ceramic"
    },
    "brand": {
        "id": 5,
        "name": "Richard Mille"
    },

```

```

        "description": "Richard Mille Lady Stainless Steel Skeleton Index Dial 45.5 m
m RM07-01",
        "featured": true,
        "bestseller": false,
        "gender": {
            "id": 1,
            "name": "female"
        },
        "inCart": 0
    },
    {
        "id" : 22,
        "model": "Felipe Massa",
        "price": 209999,
        "image": {
            "src": "images/richard-titanum.jpg",
            "alt": "Richard Mille Felipe Massa"
        },
        "brand": {
            "id": 5,
            "name": "Richard Mille"
        },
        "description": "Richard Mille RM011 Titanium Skeleton Arabic Dial 40 mm RM01",
        "featured": false,
        "bestseller": false,
        "gender": {
            "id": 2,
            "name": "male"
        },
        "inCart": 0
    },
    {
        "id" : 23,
        "model": "Romain Grosjean",
        "price": 336999,
        "image": {
            "src": "images/richard-skeleton.jpg",
            "alt": "Richard Mille Romain Grosjean"
        },
        "brand": {
            "id": 5,
            "name": "Richard Mille"
        },
        "description": "Richard Mille RM011 Rose Gold Skeleton Arabic Dial 40 mm RM01
1",
        "featured": false,
        "bestseller": false,
        "gender": {
            "id": 2,
            "name": "male"
        },
        "inCart": 0
    },

```

```

{
  "id" : 24,
  "model": "Flyback Chronograph",
  "price": 194499,
  "image": {
    "src": "images/richard-chromo.jpg",
    "alt": "Richard Mille Flyback Chronograph"
  },
  "brand": {
    "id": 5,
    "name": "Richard Mille "
  },
  "description": "Richard Mille Felipe Massa Carbon Skeleton Arabic Dial 40 mm",
  "featured": false,
  "bestseller": false,
  "gender": {
    "id": 2,
    "name": "male"
  },
  "inCart": 0
},
{
  "id" : 25,
  "model": "Declutchable Rotor",
  "price": 185499,
  "image": {
    "src": "images/richard-rotor.jpg",
    "alt": "Richard Mille Declutchable Rotor"
  },
  "brand": {
    "id": 5,
    "name": "Richard Mille"
  },
  "description": "Richard Mille Ceramic Skeleton Arabic Dial 50 mm RM030",
  "featured": false,
  "bestseller": false,
  "gender": {
    "id": 2,
    "name": "male"
  },
  "inCart": 0
}
]

```



## sectionTitle.json

```
[
  {
    "id":1,
    "title": "featured products",
    "location" : "#featuredTitle"
  },
  {
    "id":2,
    "title": "best sellers",
    "location" : "#bestSellerTitle"
  }
]
```

## services.json

```
[
  {
    "id": 1,
    "icon": "fas fa-globe fa-2x",
    "title": "Worldwide Shipping",
    "description" : "Ship within 7 days or less."
  },
  {
    "id": 2,
    "icon": "fas fa-stamp fa-2x",
    "title": "Certified by WCSA",
    "description" : "Official certification by Watch Certification Service of America."
  },
  {
    "id": 3,
    "icon": "fas fa-file-invoice-dollar fa-2x",
    "title": "30 Days Money Back",
    "description" : "If you're not satisfied with your product you can return it within 30 days!"
  }
]
```

## sort.json

```
[
  {
    "id":1,
    "name": "Sort By Price Ascending"
  },
  {
    "id":2,
    "name": "Sort By Price Descending"
  },
  {
    "id":3,
    "name": "Sort By Name Ascending"
  },
  {
    "id":4,
    "name": "Sort By Name Descending"
  }
]
```