



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

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SECTION

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

**CERTIFIED BY WCSA**
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.

\$13,699



Sky-Dweller
Rolex
Rolex Sky-Dweller Rose Gold White Index Dial Fluted Bezel Leather Strap 29838 - 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.

\$43,399



Nautilus
Patek Philippe
This certified authentic Brand New Patek Philippe Nautilus, with the Model Number 7190/2500A-01L, has a Stainless Steel 38 mm Round Case with Screw Down Crown and a Stainless Steel Bezel.

\$47,999



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

\$243,999



Tank Solo
Cartier
This certified authentic Brand New Cartier Tank Solo Watch, with the Model Number WJSD0028, has a Stainless Steel Extra Large Rectangular Case with Calatrava Crown and a Stainless Steel Case. This Men's Cartier Tank Solo has an attractive Silver Dial with Roman Dial Markers.

\$3,599



Ronde Solo De
Cartier
Cartier Ronde Solo De Silver Dial Stainless Steel Bezel Rose Gold & Steel Bracelet 35mm WJCA 0003 - BRAND NEW

\$5,449



Master Ultra Thin
Jaeger-LeCoultre
Jaeger LeCoultre Master Ultra Thin Moon Stainless Steel Silver Index Dial 39 mm J369420

\$5,999



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

\$199,999

SECTION



About Company

Lorem, ipsum dolor sit amet consectetur adipiscing elit. Totam natus molestias aliquet fugiat veritatis nuncquam magnam explicabo rerum. Ito pra tenetur enim, ullam sequi qui

SECTION

Best Sellers



FOOTER

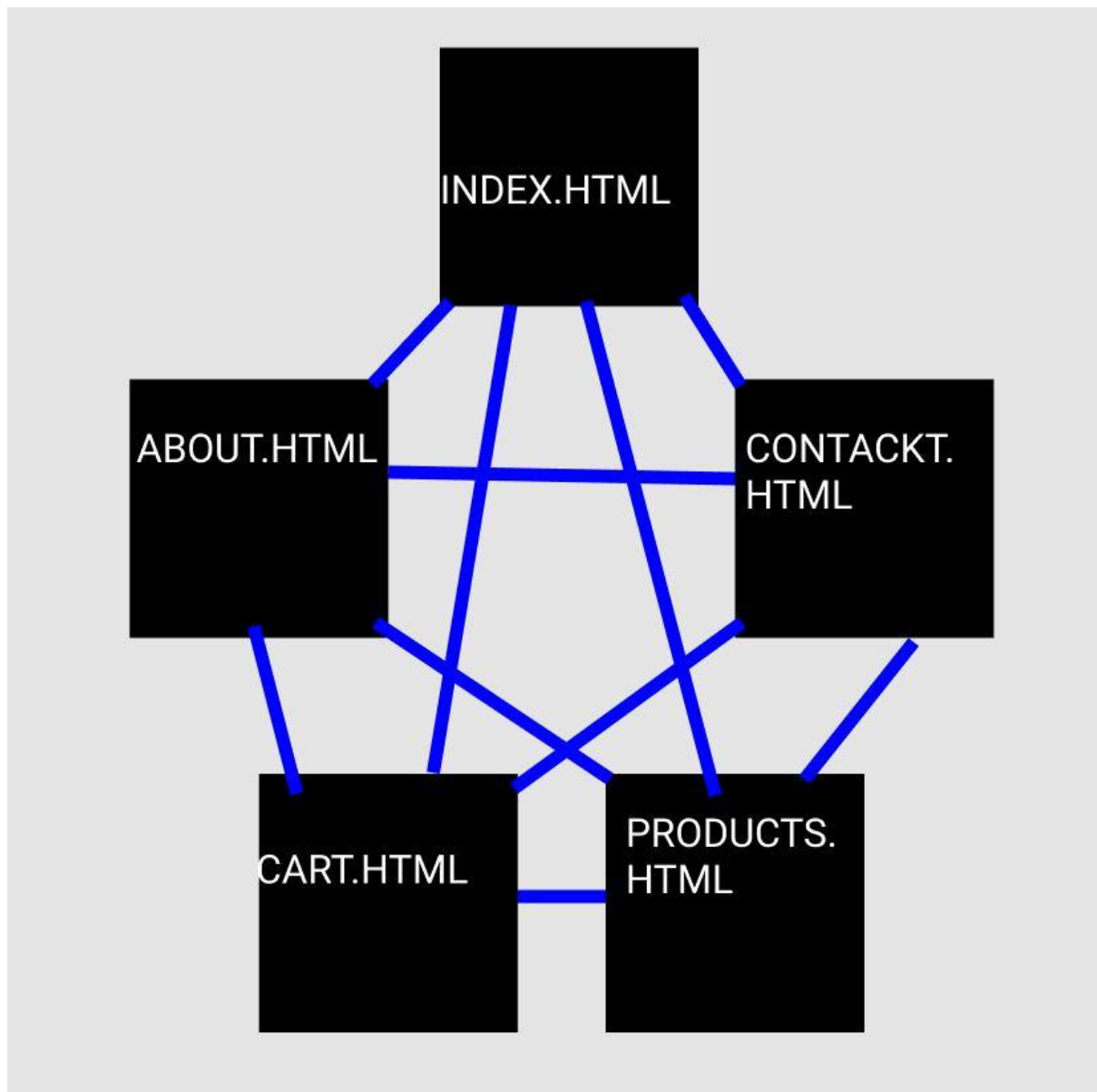
WatchOut

Good Time

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II Organizacija

II.1 Organizaciona šema

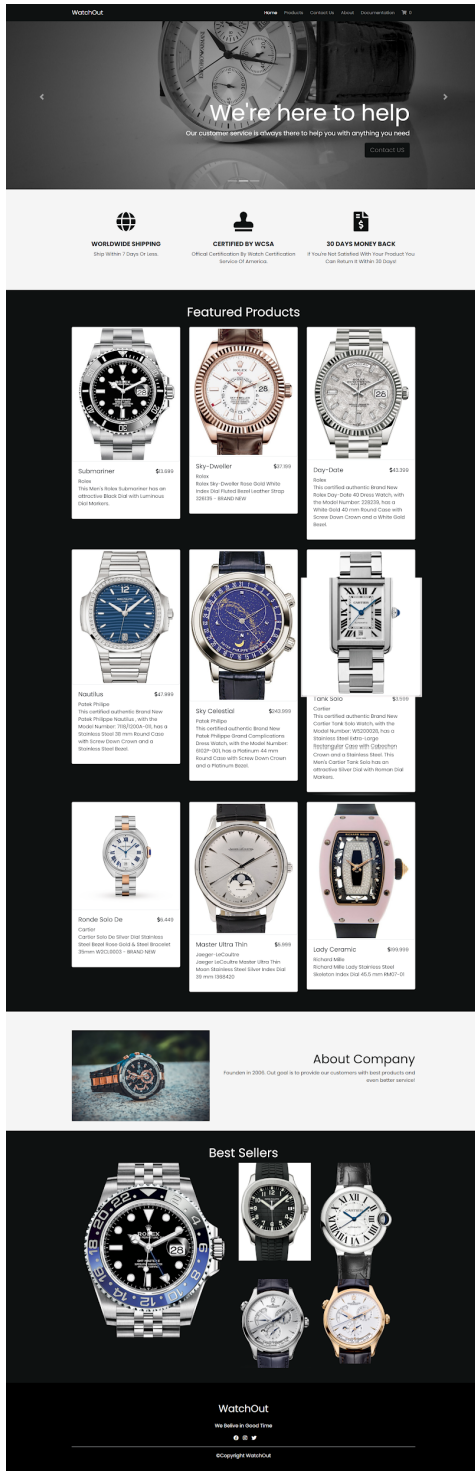


II.2 Mapa sajta

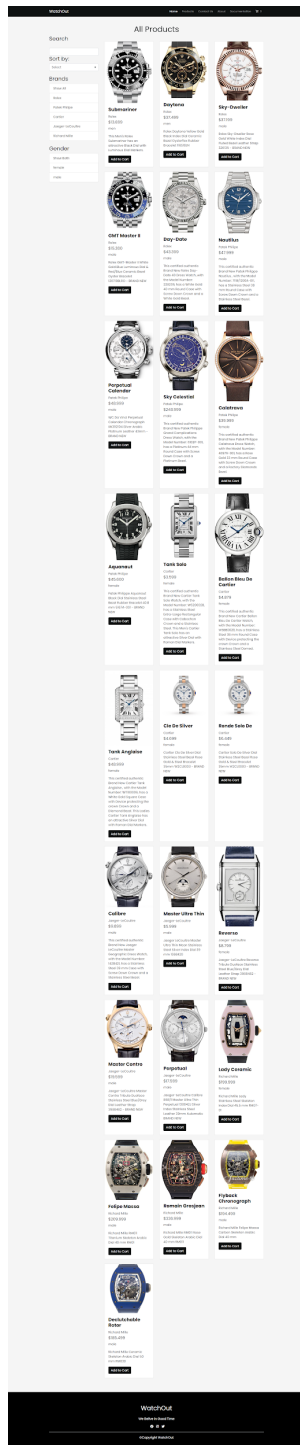
```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
<url>
  <loc>https://narandza.github.io/web-programiranje-2/index.html<loc>
  <lastmod>2020-10-03</lastmod>
  <changefreq>daily</changefreq>
  <priority>1</priority>
</url>
<url>
  <loc>https://narandza.github.io/web-programiranje-2/about.html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

Messegge




Messegge

☐ Subscribe to news letter

Submit

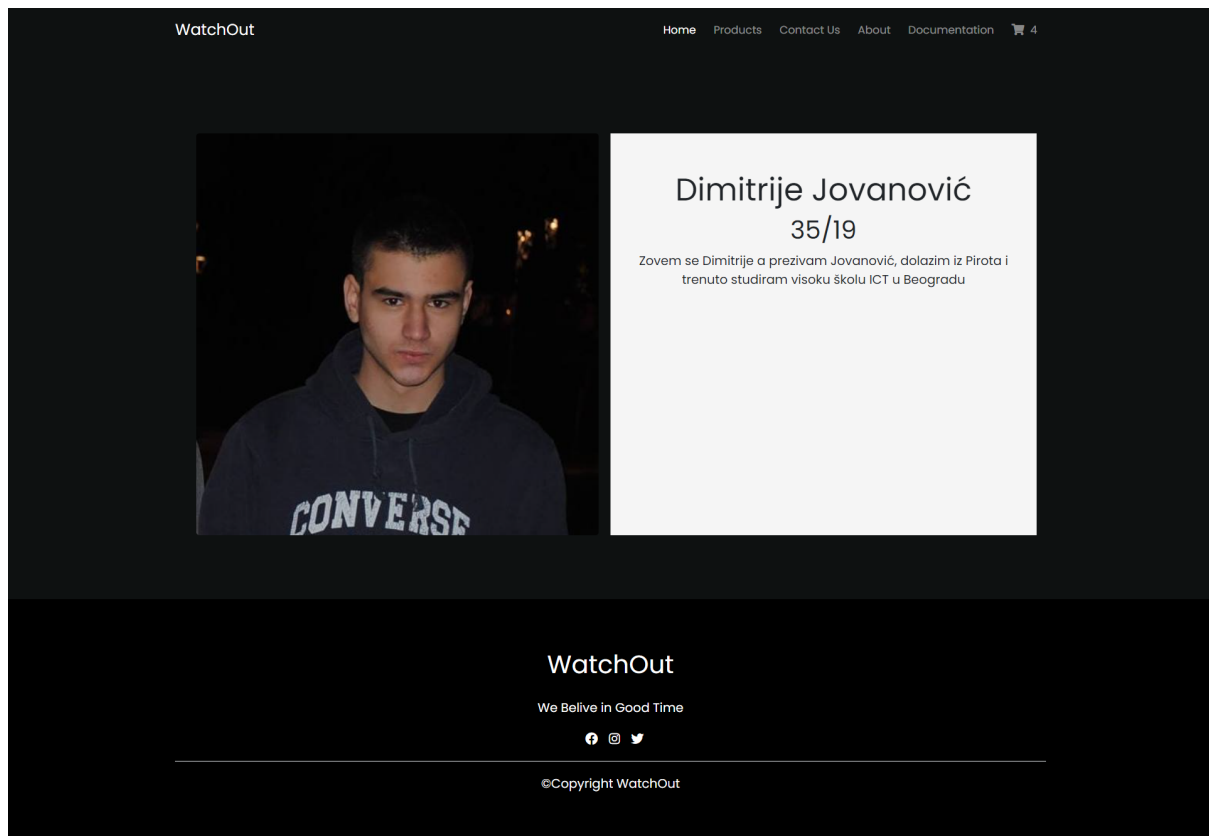
WatchOut

We Belive in Good Time




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about.html



WatchOut

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

 4

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

Basket Total


\$375.396


Buy


Buy

WatchOut

We Belive in Good Time







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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">
  <meta name="description" content="Online Watch Retail Store"/>
  <link rel="shortcut icon" href="images/favicon.ico" />
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0JlflDPvg
6uqKl2xXr2" crossorigin="anonymous">
  <link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384-vp86vTRFVJgpjF9jilGPEEQYqIDwgyBgEF109VFjmqGmIY/Y4HV4
d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=sw
ap" 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">
  <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>
    </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>
    </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>
    </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 class="col-sm-6">
        <div class="seller-item">
          
          <p>Lorem ipsum dolor sit amet.</p>
        </div>
      </div>
    <!--End of Row-->
    <!--end of column-->
    <div class="col-sm-6 d-flex flex-column justify-content-between">
      <!--small row-->
      <div class="row">
        <!--img1-->
        <div class="col-sm-6">
          <div class="seller-item">
            
            <p>Lorem ipsum dolor sit amet.</p>
          </div>
        </div>
        <!--end of img1-->
        <!--img1-->
        <div class="col-sm-6">
          <div class="seller-item">
            
            <p>Lorem ipsum dolor sit amet.</p>
          </div>
        </div>
        <!--end of img1-->
      </div>
    <!--end of small row-->
    <!--small row-->
    <div class="row">

```

```

        <!--img1-->
        <div class="col-sm-6">
            <div class="seller-item">
                
                <p>Lorem ipsum dolor sit amet.</p>
            </div>
        </div>
        <!--end of img1-->
        <!--img1-->
        <div class="col-sm-6">
            <div class="seller-item">
                
                <p>Lorem ipsum dolor sit amet.</p>
            </div>
        </div>
        <!--end of img1-->
    </div>
    <!--end of small row-->
</div>
</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/aliU8dGd2tb6OSsuzixeV4y/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/t
E3MoK7ZeZDyx" crossorigin="anonymous"></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">
<meta name="description" content="Online Watch Retail Store"/>
<link rel="shortcut icon" href="images/favicon.ico" />
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5ulKz4rEkgIXeMed4M0jlfIDPvg
6uqKI2xXr2" crossorigin="anonymous">
<link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384-vp86vTRFVJgpjF9jilGPEEEqYqIDwgyBgEF109VFjmqGmIY/Y4HV4
d3Gp2irVfcrp" crossorigin="anonymous">
<link rel="preconnect" href="https://fonts.gstatic.com">
<link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=sw
ap" 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">
<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">
```



```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta name="description" content="Online Watch Retail Store"/>
<link rel="icon" href="favicon.ico" type="image/x-icon"/>
<link rel="shortcut icon" href="images/favicon.ico" />
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAY5ulKz4rEkgIXeMed4M0JlfiDPvg
6uqKl2xXr2" crossorigin="anonymous">
<link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384-vp86vTRFVJgpjF9jilGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4
d3Gp2irVfcrp" crossorigin="anonymous">
<link rel="preconnect" href="https://fonts.gstatic.com">
<link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=sw
ap" rel="stylesheet">
<script src="https://code.jquery.com/jquery-3.6.0.js"
integrity="sha256-H+K7U5CnXI1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk="
crossorigin="anonymous"></script>
<link rel="stylesheet" href="style.css">
<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/aliU8dGd2tb6OSsuzixeV4y/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/t
E3MoK7ZeZDyx" crossorigin="anonymous"></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">
  <meta name="description" content="Online Watch Retail Store"/>
  <link rel="icon" href="favicon.ico" type="image/x-icon"/>
  <link rel="shortcut icon"href="images/favicon.ico" />
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAY5uIkz4rEkgIXeMed4M0JlfiDPvg
6uqKI2xXr2" crossorigin="anonymous">
  <link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384-vp86vTRFVJgpjF9jilGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4
d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=sw
ap" rel="stylesheet">
  <script src="https://code.jquery.com/jquery-3.6.0.js"
integrity="sha256-H+K7U5CnXI1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk="
crossorigin="anonymous"></script>
  <link rel="stylesheet" href="style.css">
  <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/aliU8dGd2tb6OSsuzixeV4y/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/t
E3MoK7ZeZDyx" 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">
  <meta name="description" content="Online Watch Retail Store"/>
  <link rel="icon" href="favicon.ico" type="image/x-icon"/>
  <link rel="shortcut icon" href="images/favicon.ico" />
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"

```

```
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5ulKz4rEkgIXeMed4M0JlfIDPvg
6uqKI2xXr2" crossorigin="anonymous">
  <link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.15.1/css/all.css"
integrity="sha384-vp86vTRFVJgpjF9jilGPEEqYqlDwgyBgEF109VFjmqGmIY/Y4HV4
d3Gp2irVfcrp" crossorigin="anonymous">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=sw
ap" 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">
  <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>
```

```

    </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/aliU8dGd2tb6OSsuzixeV4y/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/t
E3MoK7ZeZDyx" crossorigin="anonymous"></script>
<script src="https://kit.fontawesome.com/a076d05399.js"></script>
<script src="main.js"></script>
</body>
</html>

```

III.2 CSS

styles.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(() => {
  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();
  const sort = $("#sort");
  sort.on("change", filterDisplay);
  const remove = document.querySelectorAll(".remove");
  console.log(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>
            `;
        }
    }
}

```

```

        </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">
          ${service.title}
        </h5>
        <p class="text-capitalize">${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>
    `;
}
}
$("#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");
        errorSpan.html("");
        if (message.val().length > 250) {
          err++;
          errorSpan.addClass("alert-danger");
          errorSpan.html("Maximum characters in message is 250");
        } else {
          errorSpan.addClass("alert-success");
          errorSpan.html("Message Send!");
          if (check.prop("checked") == true) {
            alert("Thanks for subscribing to out newsletter!");
          }
        }
      }
    }
  }
}

```

```

    }
  });
}
//regEx Email
function testEmail(email) {
  re = /^[a-zA-Z0-9.!#$%&'*/+=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*$/;
  return re.test(email);
}
//regEx Name
function testName(name) {
  re = /^[a-zA-Z]+(([',.-][a-zA-Z ])?[a-zA-Z]*)*$/g;
  return re.test(name);
}
//prikaz footer-a
function displayFooter(footer) {
  let html = `
    <div class="text-center py-5">
      <h2 class="py-3">${footer.companyName}</h2>
      <div class="mx-auto heading-line"></div>
      <div class="container">
        <div class="container">
          <div class="row mb-3">
            <div class="col-lg-8 offset-lg-2 text-center">
              <p>${footer.description}</p>
              <div class="justify-content-center">
                <a href="${footer.social.facebook.href}"><i
class="${footer.social.facebook.icon}"></i></a>
                <a href="${footer.social.instagram.href}"><i
class="${footer.social.instagram.icon}"></i></a>
                <a href="${footer.social.twitter.href}"><i
class="${footer.social.twitter.icon}"></i></a>
              </div>
            </div>
          </div>
        </div>
      <div class="copyright text-center py-3 border-top
text-light">${footer.copyright}</div>
    </div>`;
  $("#footer").html(html);
}
//prikaz best-sellera
function displayBestSellers(products) {
  let html = "";

```

```

for (let i = 0; i < products.length; i++) {
  if (i == 0) {
    html += `
      <div class="row container-fluid" id="bestsellers">
        <div class="col-sm-6">
          <div class="seller-item">
            
            <p>${products[i].image.alt}</p>
          </div>
        </div>
        <div class="col-sm-6 d-flex flex-column justify-content-between">
          `;
  } else if (i == 1 || i == 3) {
    html += `

      <!--small row-->
      <div class="row">
        <!--img1-->
        <div class="col-sm-6">
          <div class="seller-item">
            
            <p>${products[i].image.alt}</p>
          </div>
        </div>
        <!--end of img1-->
      `;
  } else {
    html += `
      <!--img1-->
        <div class="col-sm-6">
          <div class="seller-item">
            
            <p>${products[i].image.alt}</p>
          </div>
        </div>
        <!--end of img1-->
      </div>
    `;
  }
}
html += `</div>`;

```

```

$("#bestsellers").html(html);
}
//prikaz brendova + filtriranje
function displayBrands(brands) {
  let html = `<li class="list-group-item" data-brand="0">
    <a href="#" class="btn-brand" >Show All</a>
  </li>
`;
  for (let brand of brands) {
    html += `
    <li class="list-group-item" data-brand="${brand.id}" >
      <a href="#" class="btn-brand" >${brand.name}</a>
    </li>
    `;
  }
  $("#brands").html(html);
  //FILTRIRANJE PO BRENDU
  const brandList = $("#brands").children();
  for (let listItem of brandList) {
    listItem.addEventListener("click", function () {
      for(let l of brandList) l.classList.remove('active');
      (this).classList.add('active');
      let id = listItem.dataset.brand;
      console.log(id);
      ajax("products", function (products) {
        let productList = [];
        if (id == 0) {
          displayAllProducts(products);
        } else {
          for (let product of products) {
            if (id == product.brand.id) {
              productList.push(product);
            }
          }
          displayAllProducts(productList);
        }
      });
    });
  }
}
//prikaz pola
function displayGender(genders) {
  let html = `<li class="list-group-item" data-gender="0">
    <a href="#" >Show Both</a>
  `;

```

```

</li>`;
for (let gender of genders) {
  html += `
    <li class="list-group-item" data-gender="${gender.id}">
      <a href="#" class="btn-brand" >${gender.name}</a>
    </li>
  `;
}
$("#gender").html(html);
//FILTRIRANJE
const genderList = $("#gender").children();
for (let gender of genderList) {
  gender.addEventListener("click", function (e) {
    for(let g of genderList) g.classList.remove('active');
    (this).classList.add('active');
    e.preventDefault()
    let id = gender.dataset.gender;
    ajax("products", function (products) {
      let porductList = [];
      if (id == 0) {
        displayAllProducts(products);
      } else {
        for (let product of products) {
          if (id == product.gender.id) {
            porductList.push(product);
          }
        }
        displayAllProducts(porductList);
      }
    });
  });
}
}
//prikaz svih proizvoda
function displayAllProducts(products) {
  products = sort(products);
  let html = "";
  for (let product of products) {
    html += `
      <div class="col-lg-4 col-md-6 mb-4">
        <div class="card h-100" data-cat="${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 porizvoda 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="far
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 = document.getElementById("sort").value;
  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.index.broj}/${author.index.godina}</h2>
        <p>${author.kratakOpis}</p>
    </div>
</div>
`
$("${author").html(html)
}

```

III.4 JSON

aboutCompany.json

```

{
  "id" :1,
  "title" : "About Company",
  "description": "Founden in 2006. Out goal is to provide our customers with best
products and even better service!",
  "img":{
    "src":"images/image-3.jpg",
    "alt":"Company"
  }
}

```

aboutMe.json

```

{
  "ime": "Dimitrije",
  "prezime": "Jovanović",
  "index":{
    "broj" : 35,
    "godina": 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 Pirot a 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"
  }
]
```

carousellItems.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": "#"
  },
  {
    "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 126719BLRO - 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 Case 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 Steel 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 Philipe"
    },
    "description": "WC Da Vinci Perpetual Calendar Chronograph IW392104 Silver
Arabic 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
Complications 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
Dress Watch, with the Model Number: 4897R-001, has a Rose Gold 33 mm Round
Case with Screw Down Crown and a Factory Diamonds Bezel.",
    "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 Philipe Aquanaut"
    },
    "brand": {
      "id": 2,
      "name": "Patek Philipe"
    },
    "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 Cartier
Watch, with the Model Number: WSBB0028, 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-tankanglaise.jpg",
      "alt": "Cartier Tank Anglaise"
    },
    "brand": {
      "id": 3,
      "name": "Cartier"
    },
    "description": "This certified authentic Brand New Cartier Tank Anglaise , with
the Model Number: WT100009, has a White Gold Square Case with Device
protecting the crown Crown and a Diamond Bezel. This Ladies Cartier Tank Anglaise
has an attractive 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
Geographic Dress Watch, with the Model Number: 1428421, has a Stainless Steel
39 mm Case 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 Steel 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 mm
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
RM011",
  "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"
  }
]

```