VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

WEB PROGRAMIRANJE 1

Link sajta

https://ivdusan47-lang.github.io/shopOnline/

Ime I prezime: Dusan Ivanisevic

Broj indeksa: 177/21

Sadrzaj

Sadrzaj

1.Uvod

1.1 Korišćeni programski jezici

Za izradu sajta korišćeni su HTML, CSS, Javascript, jQuery, Bootstrap i Xml(sitemap)

1.2 Opis funkcionalnosti

• Dinamičko ispisivanje sadržaja web shop-a

• Pretraga artikala preko regular izraza i dinamička izmena sadržaja

• Kontakt forma za registrovanje kupaca sa pet polja i ispisivanje greske I sadrzaja

1.3 Izgled Sajta

BEST SELLER

Fjallraven - Foldsack No. 1 Backpack, Fits 15 La

Your perfect pack for everyday use and walks in the forest. Stash your laptop (up to 15 inches) in the padded sleeve, your everyda ...

109.95 USD

Mens Casual Premium Slim Fit T-Shirts

Slim-fitting style, contrast raglan long sleeve, three-button henley placket, light weight & soft fabric for breathable and comfor ...

22.3 USD

Mens Cotton Jacket

great outerwear jackets for Spring/Autumn/Winter, suitable for many occasions, such as working, hiking, camping, mountain/rock cli ...

55.99 USD

Mens Casual Slim Fit

The color could be slightly different between on the screen and in practice. / Please note that body builds vary by person, theref ...

15.99 USD

2.Organizacija

2.1 Organizacija I sema

Sajt je multipage,responsive moze se pristupiti sa svih uredjaja.

Nije koriscen template

2.2 Sitemap

```xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <urlset
3        xmlns="http://www.sitemaps.org/schemas/sitemap/0.9"
4        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5        xsi:schemaLocation="http://www.sitemaps.org/schemas/sitemap/0.9
6              http://www.sitemaps.org/schemas/sitemap/0.9/sitemap.xsd">
7  <!-- created with Free Online Sitemap Generator www.xml-sitemaps.com -->
8
9
10 <url>
11   <loc>https://dusanwebshop.000webhostapp.com/index.html</loc>
12   <lastmod>2022-12-15T18:16:44+00:00</lastmod>
13 </url>
14
15
16 </urlset>
```

2.3 Slika stranice I opis funkcionalnosti

Prilikom unosa informacija nepravilnog formata aktivirace se popup poruka da je unos pogresan.

3.Kodovi

3.1 Html

Index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="Copyright" content="Dušan Ivanišević 177/21, sva prava zadrzana.">
  <meta name="keywords" content="web shop, kupovina, Dusan Ivanisevic,Dušan
Ivanišević, web shopping, jewerely, clothing, women's clothing, woman clothing,
men's clothing, men clothing, electronics " >
  <meta name="description" content="Opis sajta.">

  <!-- Secure HTTPS policy -->
  <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

  <!-- Font Awesome -->
  <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/main.css">

  <!-- JavaScirpt files -->
  <script src="js/functions/nav-bar-categories.js" type="module" defer></script>
  <script src="js/index.js" type="module" defer></script>
```

```html
  <title>eShop | WebApp</title>
</head>
<body>

<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light ">
  <div class="container-fluid">
    <div class='container d-flex justify-content-between' >
      <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
      <h3><a class="navbar-brand" href="author.html" >Author</a> </h3>
  </div>
</nav>
<!-- end top navigation -->

<!-- bottom navigation with categories -->
<nav class="navbar navbar-expand-lg navbar-light bg-success sticky-top">
  <div class="container-fluid">
    <div class="container">
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto text-center  mb-2 mb-lg-0"
id="categories_list">
        </ul>
      </div>
    </div>
  </div>
</nav>
<!-- end bottom navigation with categories -->


<!-- main section -->
<main class="container-fluid">

<div class="container">

  <h1 class="display-3 text-center py-4">BEST SELLER</h1>

  <section class="row gy-2" id="products_list">
```

```html
      </section>

  </div>




</main>
<!-- end main section -->

<!-- footer section -->
<footer class="container-fluid bg-success mt-3 hide" id="footer">

<div class="container">
  <div class="row">
    <div class="col-md-12 pt-3 pb-1">
      <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
    </div>
  </div>
</div>

</footer>
<!-- end footer section -->


<!-- spinner loading -->
<div class="spinner-border" role="status" id="spinner">
  <span class="visually-hidden">Loading...</span>
</div>




  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>

</body>
</html>
```

categories.html

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

  <!-- Secure HTTPS policy -->
  <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

  <!-- Font Awesome -->
  <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/main.css">

  <!-- JavaScript files -->
  <script src="js/functions/nav-bar-categories.js" type="module" defer></script>
  <script src="js/productsByCategories.js" type="module" defer></script>

  <title>eShop | WebApp</title>
</head>
<body>

<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <div class='container'>
      <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
  </div>
</nav>
```

```html
<!-- end top navigation -->

<!-- bottom navigation with categories -->
<nav class="navbar navbar-expand-lg navbar-light bg-success sticky-top"">
  <div class="container-fluid">
    <div class="container">
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto text-center mb-2 mb-lg-0"
id="categories_list">
        </ul>
      </div>
    </div>
  </div>
</nav>
<!-- end bottom navigation with categories -->

<!-- main section -->
<main class="container-fluid">

  <div class="container">

    <h1 class="display-3 text-center py-4" id="categories_title"></h1>

    <section class="row gy-2" id="products_list">



    </section>

  </div>



</main>
<!-- end main section -->

<!-- footer section -->
<footer class="container-fluid bg-success mt-3 hide" id="footer">

  <div class="container">
    <div class="row">
```

```
      <div class="col-md-12 pt-3 pb-1">
        <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
      </div>
    </div>
  </div>

</footer>
<!-- end footer section -->


<!-- spinner loading -->
<div class="spinner-border" role="status" id="spinner">
  <span class="visually-hidden">Loading...</span>
</div>

  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</body>
</html>
```

product.html

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

  <!-- Secure HTTPS policy -->
  <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
```

```html
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

  <!-- Font Awesome -->
  <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/main.css">

  <!-- JavaScirpt files -->
  <script src="js/functions/nav-bar-categories.js" type="module" defer></script>
  <script src="js/singleProduct.js" type="module" defer></script>

  <title>eShop | WebApp</title>
</head>
<body>

<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <div class='container'>
      <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
    </div>
</nav>
<!-- end top navigation -->

<!-- bottom navigation with categories -->
<nav class="navbar navbar-expand-lg navbar-light bg-success sticky-top">
  <div class="container-fluid">
    <div class="container">
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto text-center  mb-2 mb-lg-0"
id="categories_list">
        </ul>
      </div>
    </div>
  </div>
```

```html
      </div>
</nav>
<!-- end bottom navigation with categories -->


<!-- main section -->
<main class="container-fluid">

<div class="container">

  <h1 class="display-3 text-center py-4">PRODUCT</h1>

  <section class="row gy-2" id="product">

    <div class="row">

      <article class="col-md-10 mx-auto">
        <div class="row align-items-center">
          <div class="col-md-5 col-4" id="product_img">

          </div>
          <div class="col-md-6" id="product_info">

          </div>
        </div>

      </article>


      <article class="col-md-12" id="product_decription">

      </article>

    </div>


  </section>

</div>


</main>
<!-- end main section -->

<!-- footer section -->
<footer class="container-fluid bg-success mt-3 hide" id="footer">
```

```html
<div class="container">
  <div class="row">
    <div class="col-md-12 pt-3 pb-1">
      <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
    </div>
  </div>
</div>

</footer>
<!-- end footer section -->


<!-- spinner loading -->
<div class="spinner-border" role="status" id="spinner">
  <span class="visually-hidden">Loading...</span>
</div>



  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>

</body>
</html>
```

Register.html

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

  <!-- Secure HTTPS policy -->
```

```html
    <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

    <!-- Font Awesome -->
    <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

    <!-- Custom CSS -->
    <link rel="stylesheet" href="css/main.css">

    <!-- JavaScirpt files -->
    <script src="js/functions/nav-bar-categories.js" type="module" defer></script>
    <script src="js/register.js" type="module" defer></script>

    <title>eShop | WebApp</title>
</head>
<body>

<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <div class='container'>
      <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
  </div>
</nav>
<!-- end top navigation -->

<!-- bottom navigation with categories -->
<nav class="navbar navbar-expand-lg navbar-light bg-success sticky-top">
  <div class="container-fluid">
    <div class="container">
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
```

```html
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
          <ul class="navbar-nav mx-auto text-center  mb-2 mb-lg-0"
id="categories_list">
          </ul>
      </div>
    </div>
    </div>
</nav>
<!-- end bottom navigation with categories -->

<!-- main section -->
<main class="container-fluid">
<div class="container">
  <h1 class="display-3 text-center py-4">REGISTER</h1>
  <section class="row">
      <article class="col-md-6 mx-auto" id="form">
        <div class="input-group flex-nowrap">
          <span class="input-group-text" id="addon-wrapping-firstname"><i
class="fas fa-user"></i></span>
          <input type="text" id="regName" class="form-control" placeholder="First
Name" aria-label="First Name" aria-describedby="addon-wrapping-firstname"
required>
        </div>
        <div class="validation hide">
          Looks good!
        </div>
        <div class="input-group flex-nowrap mt-3">
          <span class="input-group-text" id="addon-wrapping-lastname"><i
class="fas fa-user"></i></span>
          <input type="text" id="regLastname" class="form-control"
placeholder="Last Name" aria-label="Last Name" aria-describedby="addon-wrapping-
lastname" required>
        </div>
        <div class="validation hide">
          Looks good!
        </div>
        <div class="input-group flex-nowrap mt-3">
          <span class="input-group-text" id="addon-wrapping-email">@</span>
          <input type="email" id="regEmail" class="form-control" placeholder="E-
mail Address" aria-label="E-mail Address" aria-describedby="addon-wrapping-email"
required>
        </div>
        <div class="validation hide">
          Looks good!
        </div>
```

```html
            <div class="input-group flex-nowrap mt-3">
                <span class="input-group-text" id="addon-wrapping-username"><i
class="fas fa-user-tie"></i></span>
                <input type="text" id="regUsername" class="form-control"
placeholder="Username" aria-label="Username" aria-describedby="addon-wrapping-
username" required>
            </div>
            <div class="validation hide">
                Looks good!
            </div>
            <div class="input-group flex-nowrap mt-3">
                <span class="input-group-text" id="addon-wrapping-password"><i
class="fas fa-unlock-alt"></i></span>
                <input type="password" id="regPassword" class="form-control"
placeholder="Password" aria-label="Password" aria-describedby="addon-wrapping-
password" required>
            </div>
            <div class="validation hide">
                Looks good!
            </div>
            <button id="regBtn" class="btn btn-success form-control mt-
3">REGISTER</button>
        </article>
    </section>
</div>
</main>
<!-- end main section -->

<!-- footer section -->
<footer class="container-fluid bg-success mt-3" id="footer">
<div class="container">
  <div class="row">
    <div class="col-md-12 pt-3 pb-1">
        <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
    </div>
  </div>
</div>
</footer>
<!-- end footer section -->

  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
```

```
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</body>
</html>
```

login.html

```
<!DOCTYPE html>

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

  <!-- Secure HTTPS policy -->
  <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

  <!-- Font Awesome -->
  <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/main.css">

  <!-- JavaScirpt files -->
  <script src="js/functions/nav-bar-categories.js" type="module"  defer></script>
  <script src="js/login.js" type="module" defer></script>

  <title>eShop | WebApp</title>
</head>
<body>
```

```html
<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <div class='container'>
      <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
    </div>
</nav>
<!-- end top navigation -->

<!-- bottom navigation with categories -->
<nav class="navbar navbar-expand-lg navbar-light bg-success sticky-top">
  <div class="container-fluid">
    <div class="container">
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto text-center  mb-2 mb-lg-0"
id="categories_list">
        </ul>
      </div>
  </div>
  </div>
</nav>
<!-- end bottom navigation with categories -->

<!-- main section -->
<main class="container-fluid">
<div class="container">
  <h1 class="display-3 text-center py-4">LOG IN</h1>
  <section class="row">
    <article class="col-md-6 mx-auto" id="form">
      <div class="input-group">
        <div class="input-group flex-nowrap mt-3">
          <span class="input-group-text" id="addon-wrapping-username"><i
class="fas fa-user-tie"></i></span>
          <input type="text" id="username" class="form-control"
placeholder="Username" aria-label="Username" aria-describedby="addon-wrapping-
username" required>
        </div><br>
        <div class="input-group flex-nowrap mt-3">
```

```html
            <span class="input-group-text" id="addon-wrapping-password"><i
class="fas fa-unlock-alt"></i></span>
            <input type="password" id="password" class="form-control"
placeholder="Password" aria-label="Password" aria-describedby="addon-wrapping-
password" required>
          </div><br>
          <div class="text-danger mt-3" id="validation">
          </div>
        </div>
        <button id="loginBtn" class="btn btn-success form-control mt-3">LOG
IN</button>
      </article>
    </section>
</div>
</main>
<!-- end main section -->

<!-- footer section -->
<footer class="container-fluid bg-success mt-3" id="footer">
<div class="container">
  <div class="row">
    <div class="col-md-12 pt-3 pb-1">
      <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
    </div>
  </div>
</div>
</footer>
<!-- end footer section -->

  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</body>
</html>
```

account.html

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

  <!-- Secure HTTPS policy -->
  <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

  <!-- Font Awesome -->
  <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/main.css">

  <!-- JavaScirpt files -->
  <script src="js/functions/nav-bar-categories.js" type="module" defer></script>
  <script src="js/account.js" type="module" defer></script>

  <title>eShop | WebApp</title>
</head>
<body>

<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <div class='container'>
      <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
    </div>
</nav>
<!-- end top navigation -->

<!-- bottom navigation with categories -->
```

```html
<nav class="navbar navbar-expand-lg navbar-light bg-success sticky-top">
  <div class="container-fluid">
    <div class="container">
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto text-center  mb-2 mb-lg-0"
id="categories_list">
        </ul>
      </div>
    </div>
  </div>
</nav>
<!-- end bottom navigation with categories -->

<!-- main section -->
<main class="container-fluid">
<div class="container">
  <h1 class="display-3 text-center py-4">ACCOUNT</h1>
  <section class="row d-flex justify-content-center">
    <article class="col-md-6 mx-auto">

      <div class="row">

        <div class="col-md-3 col-lg-4">
          <p class="mt-2 account-label">Name:</p>
        </div>
        <div class="col-md-9 col-lg-8">
          <input type="text" id="name" class="form-control inputs" aria-
label="First Name" aria-describedby="addon-wrapping-firstname" disabled>
        </div>

        <div class="col-md-3 col-lg-4">
          <p class="mt-2 account-label">Lastname:</p>
        </div>
        <div class="col-md-9 col-lg-8">
          <input type="text" id="lastname" class="form-control inputs" aria-
label="First Name" aria-describedby="addon-wrapping-firstname" disabled>
        </div>

        <div class="col-md-3 col-lg-4">
          <p class="mt-2 account-label">Email address:</p>
```

```html
        </div>
        <div class="col-md-9 col-lg-8">
          <input type="text" id="email" class="form-control inputs" aria-
label="First Name" aria-describedby="addon-wrapping-firstname" disabled>
        </div>

        <div class="col-md-3 col-lg-4">
          <p class="mt-2 account-label">Username:</p>
        </div>
        <div class="col-md-9 col-lg-8">
          <input type="text" id="username" class="form-control inputs" aria-
label="First Name" aria-describedby="addon-wrapping-firstname" disabled>
        </div>

        <div class="col-md-3 col-lg-4">
          <p class="mt-2 account-label">Password:</p>
        </div>
        <div class="col-md-9 col-lg-8">
          <input type="text" id="password" class="form-control inputs" aria-
label="First Name" aria-describedby="addon-wrapping-firstname" disabled>
        </div>

      </div>

      <button id="changeDatabtn" class="btn btn-success form-control mt-
3">Change data</button>
      <div class="col-md-12 d-flex justify-content-between">
        <button id="saveDatabtn" class="btn btn-success form-control mt-3 me-1
hide">Save data</button>
        <button id="cancelDatabtn" class="btn btn-danger form-control mt-3
hide">Cancel data</button>
      </div>
    </article>

  </section>
</div>
</main>
<!-- end main section -->

<!-- footer section -->
<footer class="container-fluid bg-success mt-3" id="footer">
<div class="container">
  <div class="row">
    <div class="col-md-12 pt-3 pb-1">
```

```
        <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
      </div>
    </div>
</div>
</footer>
<!-- end footer section -->

  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</body>
</html>
```

cart.html

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

  <!-- Secure HTTPS policy -->
  <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

  <!-- Font Awesome -->
  <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
```

```
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

    <!-- Custom CSS -->
    <link rel="stylesheet" href="css/main.css">

    <!-- JavaScirpt files -->
    <script src="js/functions/nav-bar-categories.js" type="module" defer></script>
    <script src="js/cart.js" type="module" defer></script>

    <title>eShop | WebApp</title>
</head>
<body>

<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container-fluid">
        <div class='container'>
            <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
    </div>
</nav>
<!-- end top navigation -->

<!-- bottom navigation with categories -->
<nav class="navbar navbar-expand-lg navbar-light bg-success sticky-top">
    <div class="container-fluid">
        <div class="container">
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarSupportedContent">
                <ul class="navbar-nav mx-auto text-center  mb-2 mb-lg-0"
id="categories_list">
                </ul>
            </div>
        </div>
    </div>
</nav>
<!-- end bottom navigation with categories -->

<!-- main section -->
<main class="container-fluid">
<div class="container">
```

```html
    <h1 class="display-3 text-center py-4">SHOPPING CART</h1>
    <section class="row hide" id="table">
        <article class="col-md-8 mx-auto text-center">
            <table class="table table-hover">
              <thead>
                <th>image</th>
                <th>title</th>
                <th>price</th>
                <th>remove</th>
              </thead>
              <tbody id="tbody">

              </tbody>
            </table>
        </article>

        <div class="col-md-8 mx-auto mt-4">
          <div class="row">
              <div class="col-md-3">
                <button class="btn form-control btn-success" id="orderBtn">Order</button>
              </div>

              <div class="col-md-9 text-end sum">
                <h5 class="mt-2">Order sum: <span id="sum"></span> USD</h5>
              </div>
          </div>
        </div>
    </section>

    <section class="row hide" id="emptyCart">
      <article class="col-md-10 mx-auto mt-5 text-center">
        <h4>Your shopping cart is empty. Please, add some product to shopping cart.</h4>
        <p class="mt-4"><i class="fas fa-shopping-cart fs-1"></i></p>
      </article>
    </section>

</div>
</main>
<!-- end main section -->

<!-- footer section -->
<footer class="container-fluid bg-success mt-3" id="footer">
<div class="container">
```

```
    <div class="row">
      <div class="col-md-12 pt-3 pb-1">
        <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
      </div>
    </div>
  </div>
</footer>
<!-- end footer section -->

  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</body>
</html>
```

author.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="Copyright" content="Dušan Ivanišević 177/21, sva prava zadrzana.">
  <meta name="keywords" content="web shop, kupovina, Dusan Ivanisevic,Dušan
Ivanišević, web shopping, jewerely, clothing, women's clothing, woman clothing,
men's clothing, men clothing, electronics " >
  <meta name="description" content="Opis sajta.">

  <!-- Secure HTTPS policy -->
  <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
```

```html
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

  <!-- Font Awesome -->
  <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>

  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/main.css">

  <!-- JavaScirpt files -->
  <script src="js/functions/nav-bar-categories.js" type="module" defer></script>
  <script src="js/index.js" type="module" defer></script>

  <title>eShop | WebApp</title>
</head>
<body>

<!-- top navigation -->
<nav class="navbar navbar-expand-lg navbar-light bg-light ">
  <div class="container-fluid">
    <div class='container d-flex justify-content-between' >
      <h3><a class="navbar-brand" href="index.html">DusanShop</a></h3>
      <h3><a class="navbar-brand" href="author.html" >Author</a> </h3>
  </div>
</nav>
<!-- end top navigation -->


<main>

<div class="container my-5">
    <h2 class="text-center mb-5"><i class="fas fa-leaf"></i> ABOUT ME</h2>

    <div class="d-flex flex-wrap flex-lg-nowrap justify-content-center">
        <section class="pe-lg-5 col-lg-7">
            <p class="about-paragraph text-center">Hello there! <br>
            My name is Dušan and i live in Belgrade.I attend ICT school and im
learning web desing and programming.I am working hard to be  skilled
and  experienced web developer.
            </p>
        </section>
```

```html
        <section class="col-lg-4">
            <img src="./img/profile.jpg" alt="" class="rounded-circle">
        </section>
    </div>

</div>
</main>

<!-- footer section -->
<footer class="container-fluid bg-success mt-3" id="footer">

<div class="container">
  <div class="row">
    <div class="col-md-12 pt-3 pb-1">
      <p class="text-center text-white">Copyright &copy; 2022 Dušan Ivanišević
177/21 .</p>
    </div>
  </div>
</div>

</footer>
<!-- end footer section -->




  <!-- Bootstrap Bundle -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>

</body>
</html>
```

3.2 CSS

main.css

```css
/* GENERAL */

* {
  padding: 0;
  margin: 0;
  box-sizing: border-box;
}

html {
  min-height: 100%;
  width: 100%;
  position: relative;
  padding-bottom: 100px;
}

body {
  height: 100%;
  width: 100%;
}

a {
  color: #fff;
  text-decoration: none;
}

a:hover {
```

```css
    color: #000;
}

li:hover {
    cursor: pointer;
}
h2 {
    font-size: 4em;
}


.name-container {
    padding-top: 0.5%;
    color: white;
}


.name-container p {
    font-size: 1.5em;
}

@media (min-width: 576px) {
    .name-container p {
        font-size: 3em;
    }
}


main {
    width: 100%;
}


/********** ABOUT SECTION ***********/

.about-paragraph {
    font-size: 1.5em;
}

.rounded-circle {
    box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;
    width: 100%;
}

section {
    font-family: 'Bellota Text', cursive;
```

```css
}


/* NAV-BAR */

.navbar-light .navbar-nav .nav-link:hover {
  border-bottom-color: #fff !important;
  transition: all 0.4s ease-in-out;
}

/* MAIN SECTION - PRODUCTS */

.article:hover {
  cursor: pointer;
}

.shoppingCart:hover{
  cursor: pointer;
  color: #FFD700 !important;
  transition: all 0.4s ease-in-out;
}

.img_handler {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 47%;
  width: 100%;
}

.img_handler img {
  flex-shrink: 1;
  flex-grow: 1;
  max-width: 40%;
}

.product_handler {
  height: 47%;
  display: flex;
  flex-direction: column;
  justify-content: space-between;
  align-items: center;
}

/* LOADER */
```

```css
#spinner {
  position: absolute;
  top: 50%;
  left: 50%;
}

/* FOOTER */

#footer {
  position: absolute;
  bottom: 0;
  left: 0;
  width: 100%;
}

.hide {
  display: none !important;
}

/* CART TABLE */

#tbody img {
  max-height: 40px;
}

.fa-trash-alt:hover {
  cursor: pointer;
}

/* MEDIA QUERIES */

/* small devices */
@media screen and (max-width: 450px) and (min-width: 350px) {

  .navbar-light .navbar-nav .nav-item {
    border-right: none !important;
  }

  .center {
    margin: 8px auto !important;
  }

  .img_handler {
    height: 32%;
```

```css
    width: 100%;
    margin-bottom: 15px;
}

.img_handler img {
    max-width: 32%;
}

.product_handler {
    margin-bottom: 20px;
}

.product_handler h5,
.product_handler p {
    font-size: 15px;
}

#product_img{
    margin: 10px auto;
}

#product_info {
    text-align: center;
}

#product_info h4,
#product_info h5,
#product_info .lead {
    font-size: 15px;
}

.sum {
    text-align: center !important;
}

.table-hover {
    font-size: 11px;
}

.account-label {
    margin-top: 25px !important;
    margin-bottom: 3px;
}

}
```

```css
/* medium devices */

@media screen and (max-width: 767px) and (min-width: 500px) {

  .navbar-light .navbar-nav .nav-item {
    border-right: none !important;
  }

  .img_handler {
    height: 32%;
    width: 100%;
    margin-bottom: 15px;
  }

  .img_handler img {
    max-width: 32%;
  }

  .product_handler {
    margin-bottom: 20px;
  }

  .product_handler h5,
  .product_handler p {
    font-size: 15px;
  }

  #product_img{
    margin: 10px auto;
  }

  #product_info {
    text-align: center;
  }

  #product_info h4,
  #product_info h5,
  #product_info .lead {
    font-size: 15px;
  }

  .sum {
    text-align: center !important;
  }
}
```

```css
  .table-hover {
    font-size: 11px;
  }

  .account-label {
    margin-top: 25px !important;
    margin-bottom: 3px;
  }

}

@media screen and (max-width: 800px) and (min-width: 768px) {

  .navbar-light .navbar-nav .nav-item {
    border-right: none !important;
  }

  .img_handler {
    height: 32%;
    width: 100%;
    margin-bottom: 15px;
  }

  .img_handler img {
    max-width: 32%;
  }

  .product_handler {
    margin-bottom: 20px;
  }

  .product_handler h5,
  .product_handler p {
    font-size: 15px;
  }

  #product_img{
    margin: 10px auto;
  }

  #product_info {
    text-align: center;
  }
```

```css
  #product_info h4,
  #product_info h5,
  #product_info .lead {
    font-size: 15px;
  }


}


/* large devices */
@media screen and (max-width: 1300px) and (min-width: 992px) {

  .navbar-light .navbar-nav a {
    font-size: 12px !important;
  }

  .img_handler {
    height: 32%;
    width: 100%;
    margin-bottom: 15px;
  }

  .img_handler img {
    max-width: 32%;
  }

  .product_handler {
    margin-bottom: 20px;
  }

  .product_handler h5,
  .product_handler p {
    font-size: 15px;
  }

  #product_img{
    margin: 10px auto;
  }

  #product_info {
    text-align: center;
  }

  #product_info h4,
  #product_info h5,
```

```
  #product_info .lead {
    font-size: 15px;
  }


}
```

3.3 Javascript code

index.js

```
/*=================================================
  -import product article function, fetch all producs endpoint
  -activate product article function after load products from API
  -include in index.html file
================================================= */

import { fetchAllProducts } from "./functions/endpoints.js";
import { productArticle } from "./functions/all_products.js";

fetchAllProducts()
  .then( data => productArticle(data));
```

productByCategories.js

```
/*=================================================
  -import all necessary classes and functions, endpoint
  -activate category request  function after load products by category from API
  -include in categories.html file
================================================= */

import { fetchProductsByCategory } from "./functions/endpoints.js";
import { categoryRequest } from "./functions/categories_products.js";

const elValue = localStorage.getItem("category");
```

```javascript
const categories_title = document.querySelector("#categories_title");
categories_title.textContent = elValue.toUpperCase();

fetchProductsByCategory(elValue)
  .then( data => categoryRequest(data));
```

singleProduct.js

```javascript
/*==================================================
  -import all necessary classes and functions, endpoint
  -activate producr funciton after load single product from API
  -include in product.html file
================================================== */

import { fetchSingleProduct } from "./functions/endpoints.js";
import { product } from "./functions/product.js";

const productId = localStorage.getItem("productId");

fetchSingleProduct (productId)
 .then( data => product(data));
```

register.js

```javascript
/*==================================================
  -import all necessary classes and functions
  -activate register form validation function
  -include in register.html file
================================================== */

import { regFormValidation } from "./functions/register_validation.js";

regFormValidation();
```

account.js

```
/*===================================================
  -import function change data
  -activate change data function
  -include in account.html file
================================================== */

import { changeData } from "./functions/accountChange.js";

changeData();
```

login.js

```
/*===================================================
  -import all necessary classes and functions, endpoint
  -activate log in validation function after load users from users.json file
  -include in login.html file
================================================== */

import {logInValidation} from "./functions/login_validation.js";
import { User } from "./class/users.class.js";
import { AllUsers } from "./class/allUsers.class.js";
import { fetchUsersJson  } from "./functions/endpoints.js";

const divError = document.querySelector("#validation");

const allUsers = new AllUsers();

/* check if user is register from local storage, if it is add him in AllUser list
*/
if(localStorage.getItem("user") !== null) {
  const objectLocalStorage = JSON.parse(localStorage.getItem("user"));
  const user = new User(objectLocalStorage.name, objectLocalStorage.lastname,
objectLocalStorage.email, objectLocalStorage.username,
objectLocalStorage.password);
  allUsers.addUser(user);
}
```

```javascript
const loginBtn = document.querySelector("#loginBtn");

/* on click log in button */
loginBtn.addEventListener("click", () => {

    fetchUsersJson()
    .then(data => {
      const json = data;

      /* add users form json file in AllUsers list */
      json.forEach(element => {
        let userObj = new User(element.name, element.lastname, element.email,
element.username, element.password);
        allUsers.addUser(userObj);
      });

      return allUsers;
    }).then(data => {
      logInValidation(data.userList);
    });

});
```

cart.js

```javascript
/*=================================================
  -import function cart table
  -activate cart table function
  -include in cart.html file
================================================= */

import { cartTable } from "./functions/shopingCart.js";

cartTable();
```

3.3.1 Classes js

getProducts.class.js

```javascript
/*===================================================
 ShowProducts class
 -creating products list from fake store API and displaying on screen
 -having methods for creating products article card
===================================================*/

class ShowProducts {
  constructor() {
    this.productsList = [];
  };

  addProduct(object) {
    this.productsList.push(object);
  }
  /*  products article cards */
  getProducts() {
    let html = "";
    this.productsList.forEach(element => {
      html += `<article class='col-lg-3 col-md-4 col-sm-6 col-10 mb-2 px-2
center'>
                <div class="p-2 d-flex flex-column h-100 border rounded shadow
article" data-id='${element.productID}'>
                  <div class='img_handler'>
                    <img src='${element.productsImg}' class='img-fluid'
alt='${element.productTitle}'>
                  </div>

                  <div class='product_handler'>
                    <h5>${element.productTitle.slice(0, 48)}</h5>
                    <p>${element.productDecsription.slice(0, 130)} ...</p>
                  </div>
                  <h4 class='text-center'>${element.productPrice} USD</h4>
                  <p class='text-center my-2 py-1 bg-success text-white rounded
shoppingCart'>add to <i class="fas fa-shopping-cart"></i></p>
                </div>
              </article>`;

    });
    return html;
  }
```

```
};

/* export show products class */
export { ShowProducts };
```

product.class.js

```
/*==================================================
 Products class
 -creating products instances before add to ShowProducts list
==================================================*/

class Products {
  constructor(id, image, title, decsription, price) {
    this.productID = id;
    this.productsImg = image;
    this.productTitle = title;
    this.productDecsription = decsription;
    this.productPrice = price;
  };
};

/* export products class */
export { Products };
```

allUsers.class.js

```
/*==================================================
 All User class
 -creating list of all users from users.json file and for new register user
 -having methods for register form validation
==================================================*/

/* import user class for creating instaces of users for creating user list */
import { User } from "./users.class.js";

class AllUsers {
  constructor() {
    this.userList = [];
  }

  addUser(user) {
    if (user instanceof User) {
```

```javascript
      this.userList.push(user);
    }
  }

  /* name validation method */
  nameValidation(name) {
    if (
      name !== "" &&
      name.split("").every((element) => parseInt(element) !== parseInt(element))
    ) {
      return true;
    } else {
      return false;
    }
  }

  /* lastname validation method */
  lastnameValidation(lastname) {
    if (
      lastname !== "" &&
      lastname
        .split("")
        .every((element) => parseInt(element) !== parseInt(element))
    ) {
      return true;
    } else {
      return false;
    }
  }

  /* password uppercase validation method */
  checkPasswordUpperCase(pass) {
    return pass
      .split("")
      .filter((element) => isNaN(parseInt(element)))
      .some((element) => element === element.toUpperCase());
  }

  /* password number validation method */
  checkPasswordNumber(pass) {
    return pass
      .split("")
      .some((element) => parseInt(element) === parseInt(element));
  }
```

```javascript
  /* email validation method */
  checkEmail(email) {
    if (
      email !== "" &&
      email.split("").filter((element) => element === "@").length === 1 &&
      email
        .split("@")
        .filter((element) => element !== "@")
        .filter((element) => element.length >= 3).length === 2 &&
      email.split(".").pop().length >= 2
    ) {
      return true;
    }

    return false;
  }

  /* email exists validation method */
  checkEmailExists(email, array) {
    for (let i = 0; i < array.length; i++) {
      if (array[i].email == email) {
        return false;
      }
    }

    return true;
  }

  /* username validation method */
  checkUsernameExists(username, array) {
    for (let i = 0; i < array.length; i++) {
      if (array[i].username == username) {
        return false;
      }
    }

    return true;
  }
}

/* export all users class */
export { AllUsers };
```

users.class.js

```js
/*==================================================
 User class
 -creating instances of users from users.json fajl and for new register user
before create AllUsers list
==================================================*/

class User {
  constructor(name, lastname, email, username, password) {
    this.name = name,
    this.lastname = lastname,
    this.email = email,
    this.username = username,
    this.password = password
  }
}

/* export user class */
export { User };
```

cart.class.js

```js
/*==================================================
 Cart class
 -creating cart list when user click on add to cart button
 -having methods for creating cart table and sum of order
==================================================*/

class Cart {
  constructor() {
    this.cartList = [];
  }

  addToCart (obj) {
    if(obj)
    this.cartList.push(obj);
  }
```

```javascript
    /* cart table */
    getCart() {
      let html = "";
      this.cartList.forEach((element , index)=> {
        html += `<tr class='tr'>
                    <td><img src='${element.productsImg}'
alt='${element.productTitle}'></td>
                    <td class='mt-5'>${element.productTitle}</td>
                    <td>${element.productPrice}</td>
                    <td class='cartTrash' data-index='${index}' data-
id='${element.productID}'><i class="fas fa-trash-alt"></i></td>
                </tr>`;
      });

      return html;
    }

    /* sum of order */
    orderSum() {
      let sum = 0;
      this.cartList.forEach(element => sum += element.productPrice);
      return sum = sum.toFixed(2);
    };

};

/* export cart class */
export { Cart };
```

3.3.2 Functions JS

nav-bar-categories.js

```
*=================================================
 -function for creating nav-bar with categories, log in and log out
 -includes in all html files
 =================================================*/
```

```javascript
/* import all necessary classes and functions */
import { Cart } from "../class/cart.class.js";

/* html handlers */
const categories_list = document.querySelector("#categories_list");
const user = localStorage.getItem("username");

/* function for displaying nav-bar */
const allCategories = () => {

  const categories = ["electronics", "jewelery", "men's clothing", "women's
clothing"];
  let html = "";
  html += `<li class="nav-item py-0 px-4 border-end border-white"><a class="nav-
link border-bottom border-success text-white" href='index.html'>HOME</a></li>`;
  categories.forEach(element => {
    html += `<li class="nav-item py-0 px-4 border-end border-white list" data-
category="${element}"><a class="nav-link border-bottom border-success text-
white">${element.toUpperCase()}</a></li>`;
  });

  /*===================================================
   check if is set username in local storage,
    -if it is, then log in user
    -if it is, show welcome user and dropdown menu
    -if it is not, show log in and register links
  ================================================ */
  if(user !== null) {
    html += `<li class="nav-item dropdown py-0 px-4">
              <a class="nav-link dropdown-toggle border-bottom border-success
text-white" href="#" id="navbarDropdownMenuLink" role="button" data-bs-
toggle="dropdown" aria-expanded="false">
              WELCOME, ${user.toUpperCase()} <i class="fas fa-shopping-
cart"></i> <span class="cartNumber">0</span>
              </a>
            <ul class="dropdown-menu dropdown-menu-end" aria-
labelledby="navbarDropdownMenuLink">
              <li><a class="dropdown-item" href="cart.html">Cart <span
class="cartNumber">0</span></a></li>
              <li><a class="dropdown-item" href="account.html">Account</a></li>
              <li><hr class="dropdown-divider"></li>
              <li id='logout'><a class="dropdown-item" href="#">Logout</a></li>
            </ul>
          </li>`;
```

```javascript
    } else {
        html += `<li class="nav-item py-0 px-4 border-end border-white"><a
class="nav-link border-bottom border-success text-white" href='login.html'>LOG
IN</a></li>
                <li class="nav-item py-0 px-4"><a class="nav-link border-bottom
border-success text-white" href='register.html'>REGISTER</a></li>`;
    }

    categories_list.innerHTML = html;

    const cartNumber = document.querySelectorAll(".cartNumber");
    const cart = new Cart();

/* check if in local storage are set shopCart object, if it is add it to Cart
class */
    if(localStorage.getItem("shopCart") !== null) {
        const shopCart = JSON.parse(localStorage.getItem("shopCart"));
        shopCart.forEach(element => cart.addToCart(element));
        cartNumber.forEach(element => element.textContent = cart.cartList.length);
    } else {
        cartNumber.forEach(element => element.textContent = "0");
    }

    /* on click category in nav-bar, redirect user to products by category page */
    let list = document.querySelectorAll(".list");
    list.forEach(element => {
        element.addEventListener("click", () => {
            let atr = element.getAttribute("data-category");
            localStorage.setItem("category", atr);
            window.location.assign("categories.html");
        });
    });

    /* on click log out, clear local storage and log out user */
    if(user !== null) {
        const logout = document.querySelector("#logout");
        logout.addEventListener("click", () => {
            localStorage.clear();
            window.location.assign("index.html");
        });
    }

};

/* activate function */
```

```
allCategories();
```

categories_products.js

```javascript
/*=================================================
 -function for creating all products on categories.html
 -allow users to get information about products by chosen category from
navigation
 -allow users to add product to cart
=================================================*/

/* import all necessary classes and functions */
import { Products } from "../class/products.class.js";
import { ShowProducts } from "../class/getproducts.class.js";
import { Cart } from "../class/cart.class.js";

/* creating instances for all products and shopping cart */
const products = new ShowProducts();
const cart = new Cart();

/* html handlers */
const spinner = document.querySelector("#spinner");
const products_list = document.querySelector("#products_list");
const footer = document.querySelector("#footer");
const cartNumber = document.querySelectorAll(".cartNumber");

/* check if in local storage are set shopCart object, if it is add it to Cart
class */
if(localStorage.getItem("shopCart") !== null) {
  const shopCart = JSON.parse(localStorage.getItem("shopCart"));
  shopCart.forEach(element => cart.addToCart(element));
}

/* function for creating and displaying article cards */
const categoryRequest = ( data ) => {

    data.forEach(element => {
        let product = new Products(element.id, element.image, element.title,
element.description, element.price);
        products.addProduct(product);
    });

    products_list.innerHTML = products.getProducts();
```

```javascript
      spinner.remove();
      footer.classList.remove("hide");

      let art = document.querySelectorAll(".article");
      let cartbtn = document.querySelectorAll(".shoppingCart");

      /* on click article redirect user on single product page, depends on
selected product */
      art.forEach(element => {
        element.addEventListener("click", function (event) {
          event.preventDefault();
          let product_id = element.getAttribute("data-id");
          localStorage.setItem("productId", product_id);
          window.location.assign("product.html");
        });
      });

      /* add product to cart on click button, user must be loged in to add to
cart */
      cartbtn.forEach((element, index) => {
        element.setAttribute("data-id", index);

        element.addEventListener("click", (event) => {

          if(localStorage.getItem("username") !== null) {
            event.stopImmediatePropagation();
            let id = element.getAttribute("data-id");
            cart.addToCart(products.productsList[id]);
            cartNumber.forEach(element => element.textContent =
cart.cartList.length);
            let cartToStorage = JSON.stringify(cart.cartList);
            localStorage.setItem(`shopCart`, cartToStorage);
          } else {
            alert("You must be log in to add product to cart!");
            event.stopImmediatePropagation();
          }

        });
      });
};

/* export categoryRequest function */
export {  categoryRequest };
```

all_product.js

```javascript
/* function for creating and displaying article cards */
const productArticle = (data) => {


    data.forEach(element => {
        let product = new Products(element.id, element.image, element.title,
element.description, element.price);
        products.addProduct(product);
    });

    producst_list.innerHTML = products.getProducts();
    spinner.remove();
    footer.classList.remove("hide");

    let article = document.querySelectorAll(".article");
    let cartbtn = document.querySelectorAll(".shoppingCart");

    /* on click article redirect user on single product page, depends on selected
product */
    article.forEach(element => {
        element.addEventListener("click", function () {
            let id = element.getAttribute("data-id");
            localStorage.setItem("productId", id);
            window.location.assign("product.html");
        });
    });

    /* add product to cart on click button, user must be loged in to add to cart
*/
    cartbtn.forEach((element, index) => {
        element.setAttribute("data-id", index);

        element.addEventListener("click", (event) => {

            if(localStorage.getItem("username") !== null) {
                event.stopImmediatePropagation();
                let id = element.getAttribute("data-id");
                cart.addToCart(products.productsList[id]);
                cartNumber.forEach(element => element.textContent =
cart.cartList.length);
                let cartToStorage = JSON.stringify(cart.cartList);
```

```
            localStorage.setItem(`shopCart`, cartToStorage);
        } else {
            alert("You must be log in to add product to cart!");
            event.stopImmediatePropagation();
        }

    });
  });


};

/* export productArticle function */
export { productArticle };
```

product.js

```
/*===================================================
  -function for creating single product card depends on selected product article
================================================ */

/* import all necessary classes and functions */
import { Cart } from "../class/cart.class.js";
import { Products } from "../class/products.class.js";

/* html handlers */
const product_img = document.querySelector("#product_img");
const product_info = document.querySelector("#product_info");
const spinner = document.querySelector("#spinner");
const footer = document.querySelector("#footer");
const cartNumber = document.querySelectorAll(".cartNumber");

/* instance for Cart */
const cart = new Cart();

/* check if in local storage are set shopCart object, if it is add it to Cart
class */
if (localStorage.getItem("shopCart") !== null) {
    const shopCart = JSON.parse(localStorage.getItem("shopCart"));
    shopCart.forEach(element => cart.addToCart(element));
```

```javascript
}

/* function for displaying single product */
const product = (data) => {

    /* create instance for product and add to Products class */
    let product = new Products(data.id, data.image, data.title, data.description,
data.price);
    product_img.innerHTML = `<img src='${product.productsImg}' class='img-fluid'
alt='product'>`;

    product_info.innerHTML = `<p>Category: ${data.category}</p>
                              <h4>Price: ${product.productPrice} USD</h4>
                              <h5>Title: ${product.productTitle}</h5>
                              <p class='lead'>Description:
${product.productDecsription}</p>
                              <p class='text-center my-2 py-1 bg-success text-
white rounded shoppingCart'>add to <i class="fas fa-shopping-cart"></i></p>`;

    spinner.remove();
    footer.classList.remove("hide");

    let cartbtn = document.querySelectorAll(".shoppingCart");

    /* add product to cart on click button, user must be loged in to add to cart
*/
    cartbtn.forEach((element) => {

        element.addEventListener("click", (event) => {

          if(localStorage.getItem("username") !== null) {
            event.stopImmediatePropagation();
            cart.addToCart(product);
            cartNumber.forEach(element => element.textContent =
cart.cartList.length);
            let cartToStorage = JSON.stringify(cart.cartList);
            localStorage.setItem(`shopCart`, cartToStorage);
          } else {
            alert("You must be log in to add product to cart!");
            event.stopImmediatePropagation();
          }

        });
      });
```

```
};

/* export product function */
export { product };
```

endpoints.js

```
/*===================================================
 -endpoints for API requiests and users.json
===================================================*/

const fetchAllProducts = () => {
  const endpointAllProducts= `https://fakestoreapi.com/products/`;
  return fetch(endpointAllProducts)
    .then( response => response.json());
}

const fetchProductsByCategory = (category) => {
  const endpointProductsByCategory =
`https://fakestoreapi.com/products/category/${category}`;
  return fetch(endpointProductsByCategory)
    .then( response => response.json());
}

const fetchSingleProduct = (id) => {
  const endpointSingleProduct = `https://fakestoreapi.com/products/${id}`;
  return fetch(endpointSingleProduct)
    .then( response => response.json());
}

const fetchUsersJson = () => {
  const endpointUsers = "js/users.json";
  return fetch(endpointUsers)
    .then( response => response.json());
}

/* export endpoint */
export { fetchAllProducts, fetchSingleProduct, fetchProductsByCategory,
fetchUsersJson };
```

register_validation.js

```javascript
/*=================================================
  -function for register form validation of input fields
================================================= */

/* import all necessary classes and functions */
import { User } from "../class/users.class.js";
import { AllUsers } from "../class/allUsers.class.js";
import { fetchUsersJson } from "./endpoints.js";

/* html handlers */
const articleDiv = document.querySelector("#form");
const mainSection = document.querySelector("main");
const regName = document.querySelector("#regName");
const regLastname = document.querySelector("#regLastname");
const regUsername = document.querySelector("#regUsername");
const regEmail = document.querySelector("#regEmail");
const regPassword = document.querySelector("#regPassword");
const regBtn = document.querySelector("#regBtn");
const validDiv = document.querySelectorAll(".validation");

/* function for register form validation */
const regFormValidation = () => {

  /* creating inastance for users */
  const allUsers = new AllUsers();

  /* load user.json file */
  fetchUsersJson()
    .then(data => {
      const json = data;

      /* add users from user.json file to AllUsers class */
      json.forEach(element => {
        let usersJson = new User(element.name, element.lastname, element.email,
element.username, element.password);
        allUsers.addUser(usersJson);
      });
```

```javascript
    /* on click register button */
    regBtn.addEventListener("click", () => {

      let counter = 0;

      /* name input field valdaiton using method from AllUsers class with
appropriate  */
      if(allUsers.nameValidation(regName.value)) {

        counter++;
        validDiv[0].classList.remove("hide");
        validDiv[0].innerHTML = "<p class='text-success'>Looks good!</p>";
        regName.classList.add("border-2", "border-success");
        regName.classList.remove("border-danger");

      } else {
        validDiv[0].classList.remove("hide");
        validDiv[0].innerHTML = "<p class='text-danger'>Please enter valid
name.</p>";
        regName.classList.add("border-2", "border-danger");
        regName.classList.remove("border-success");
      }

      /* lastname input field validaton using method from AllUsers class with
appropriate message */
      if(allUsers.lastnameValidation(regLastname.value)) {

        counter++;
        validDiv[1].classList.remove("hide");
        validDiv[1].innerHTML = "<p class='text-success'>Looks good!</p>";
        regLastname.classList.add("border-2", "border-success");
        regLastname.classList.remove("border-danger");

      } else {
        validDiv[1].classList.remove("hide");
        validDiv[1].innerHTML = "<p class='text-danger'>Please enter valid
lastname.</p>";
        regLastname.classList.add("border-2", "border-danger");
        regLastname.classList.remove("border-success");
      }

      /* email input field validaton using method from AllUsers class with
appropriate message */
      if(!allUsers.checkEmail(regEmail.value)) {
```

```javascript
        validDiv[2].classList.remove("hide");
        validDiv[2].innerHTML = "<p class='text-danger'>Please provide valid
email.</p>";
        regEmail.classList.add("border-2", "border-danger");
        regEmail.classList.remove("border-success");

    } else if(!allUsers.checkEmailExists( regEmail.value, json )) {

        validDiv[2].classList.remove("hide");
        validDiv[2].innerHTML = "<p class='text-danger'>Please provide valid
email. E-mail maybe already exists!</p>";
        regEmail.classList.add("border-2", "border-danger");
        regEmail.classList.remove("border-success");

    } else {
        counter++;
        validDiv[2].classList.remove("hide");
        validDiv[2].innerHTML = "<p class='text-success'>Looks good!</p>";
        regEmail.classList.add("border-2", "border-success");
        regEmail.classList.remove("border-danger");
    }

    /* username input field validaton using method from AllUsers class with
appropriate message */
    if(regUsername.value == "") {

        validDiv[3].classList.remove("hide");
        validDiv[3].innerHTML = "<p class='text-danger'>Please provide valid
username.</p>";
        regUsername.classList.add("border-2", "border-danger");
        regUsername.classList.remove("border-success");

    } else if(!allUsers.checkUsernameExists( regUsername.value, json )) {

        validDiv[3].classList.remove("hide");
        validDiv[3].innerHTML = "<p class='text-danger'>Please provide valid
username. Username maybe already exists!</p>";
        regUsername.classList.add("border-2", "border-danger");
        regUsername.classList.remove("border-success");

    } else {
        counter++;
        validDiv[3].classList.remove("hide");
        validDiv[3].innerHTML = "<p class='text-success'>Looks good!</p>";
```

```javascript
            regUsername.classList.add("border-2", "border-success");
            regUsername.classList.remove("border-danger");
        }

        /* password input field validaton using method from AllUsers class with
appropriate message */
        if(regPassword.value == "") {

            validDiv[4].classList.remove("hide");
            validDiv[4].innerHTML = "<p class='text-danger'>Please provide valid
password.</p>";
            regPassword.classList.add("border-2", "border-danger");
            regPassword.classList.remove("border-success");

        } else if(regPassword.value.length < 8) {

            validDiv[4].classList.remove("hide");
            validDiv[4].innerHTML = "<p class='text-danger'>Password must contain
minimum 8 charachters</p>";
            regPassword.classList.add("border-2", "border-danger");
            regPassword.classList.remove("border-danger");

        } else if (!allUsers.checkPasswordUpperCase(regPassword.value)) {

            validDiv[4].classList.remove("hide");
            validDiv[4].innerHTML = "<p class='text-danger'>Password must contain
at least one uppercase letter.</p>";
            regPassword.classList.add("border-2", "border-danger");
            regPassword.classList.remove("border-succes");

        } else if (!allUsers.checkPasswordNumber(regPassword.value)) {

            validDiv[4].classList.remove("hide");
            validDiv[4].innerHTML = "<p class='text-danger'>Password must contain
at least one number.</p>";
            regPassword.classList.add("border-2", "border-danger");
            regPassword.classList.remove("border-succes");

        } else {
            counter++;
            validDiv[4].classList.remove("hide");
            validDiv[4].innerHTML = "<p class='text-success'>Looks good!</p>";
            regPassword.classList.add("border-2", "border-success");
            regPassword.classList.remove("border-danger");
        }
```

```
        /* register user */
        if (counter === 5) {
          const userObj = new User(regName.value, regLastname.value,
regEmail.value, regUsername.value, regPassword.value);
          articleDiv.classList.add("hide");
          const successDiv = document.createElement("div");
          successDiv.classList.add("col-md-6", "mx-auto", "fs-4", "text-center");
          successDiv.innerHTML = `Registration complete! ${userObj.name}, your
account has been created! Please log in.`;
          mainSection.appendChild(successDiv);
          let regObj = JSON.stringify(userObj);
          localStorage.setItem("user", regObj);
        }
      });
    });
};

/* export regFormValidation function */
export { regFormValidation };
```

login_validation.js

```
/*=================================================
 -function for log in user
 -action is starting on click log in button
 -every user from users.json file and users from registration can be loged in
 =================================================*/

/* html handlers */
const username = document.querySelector("#username");
const password = document.querySelector("#password");
const divError = document.querySelector("#validation");

/* function for validation log in form  */
const logInValidation = (data) => {

  /* check if input fields are empty strings, if it is display error message */
  if(!username.value || !password.value) {
```

```javascript
        divError.innerHTML = "<p>All fields are required.</p>";
        return false;
    }

    for(let i = 0; i < data.length; i++) {

        /* check if username and password are wrong, if it is display error message
*/
        if(data[i].username === username.value && data[i].password ===
password.value) {

            /* creating username for log in and user object in local storage */
            localStorage.setItem("username", username.value);
            localStorage.setItem("user", JSON.stringify(data[i]));
            divError.innerHTML = "";
            window.location.assign("index.html");
            break;
        } else {
            divError.innerHTML = "<p>Wrong username or password</p>";
        }
    }
};

/* export logInValidation function */
export {logInValidation};
```

user.json

```json
[
    {
        "name" : "Dusan",
        "lastname" : "Ivanisevic",
        "email" : "duki@gmail.com",
        "username" : "duki",
        "password" : "duki20"
    },
    {
        "name" : "Boris",
        "lastname" : "Peric",
        "email" : "boris@gmail.com",
        "username" : "risbo",
```

```json
    "password" : "Risbo30"
  },
  {
    "name" : "Nikola",
    "lastname" : "Petrovic",
    "email" : "nidza@gmail.com",
    "username" : "nidza",
    "password" : "Nnidza10"
  },
  {
    "name" : "Srdjan",
    "lastname" : "Ivanisevic",
    "email" : "srki@gmail.com",
    "username" : "srlesrki",
    "password" : "Srki40"
  },
  {
    "name" : "Boro",
    "lastname" : "Ivanisevic",
    "email" : "ivanis@gmail.com",
    "username" : "boki",
    "password" : "Ivanis1"
  }
]
```

shopping.Cart.js

```javascript
/*======================================================
  -function for displaying products from cart list
  -allow user to remove product from cart table
  -allow user order products from cart table
================================================ */

/* import all necessary classes and functions */
import { Cart } from "../class/cart.class.js";

/* html handlers */
const cartNumber = document.querySelectorAll(".cartNumber");
const table = document.querySelector("#table");
const tbody = document.querySelector("#tbody");
```

```javascript
const emptyCart = document.querySelector("#emptyCart");
const sum = document.querySelector("#sum");
const orderBtn = document.querySelector("#orderBtn");

/* instance for cart */
const cart = new Cart();

/* check if in local storage are set shopCart object, if it is add it to Cart
class  and create table body*/
if(localStorage.getItem("shopCart") !== null) {
  const shopCart = JSON.parse(localStorage.getItem("shopCart"));
  shopCart.forEach(element => cart.addToCart(element));
  table.classList.remove("hide");
  tbody.innerHTML = cart.getCart();
} else {
  emptyCart.classList.remove("hide");
}

/* function for remove product from cart table or order products */
const cartTable = () => {

  sum.textContent = cart.orderSum();

  let tr = document.querySelectorAll(".tr");
  let cartTrash = document.querySelectorAll(".cartTrash");
  let cartToStorage = cart.cartList;

  /* on click trash icon remove selected product from table and from cart list */
  cartTrash.forEach((element) => {
    element.addEventListener("click", () => {

      if(confirm("You are about to remove product from cart! Are you sure?")) {

        let index = element.getAttribute("data-index");
        let id = element.getAttribute("data-id");

        for(let i = 0; i < cartToStorage.length; i++) {
          if(cartToStorage[i].productID == id) {
            let sumTwoDecimals = parseFloat(sum.textContent) -
parseFloat(cartToStorage[i].productPrice);
            sum.textContent = sumTwoDecimals.toFixed(2);
            cartToStorage.splice(i, 1);
            break;
          }
        };
```

```
        tr[index].remove();
        cartNumber.forEach(element => element.textContent =
cartToStorage.length);
        cartToStorage = JSON.stringify(cartToStorage);
        localStorage.setItem("shopCart", cartToStorage);
        cartToStorage = JSON.parse(cartToStorage);

        if (cartToStorage.length === 0) {
          table.classList.add("hide");
          emptyCart.classList.remove("hide");
          localStorage.removeItem("shopCart");
        }
      }

    });
  });

  /* on click order button, remove shopCart item from local storage - simulating
real order all products from table  */
  orderBtn.addEventListener("click", () => {

    if(confirm("You are about to order products! Are you sure?")) {
      table.classList.add("hide");
      emptyCart.classList.remove("hide");
      tbody.innerHTML = "";
      localStorage.removeItem("shopCart");
      cartNumber.forEach(element => element.textContent = "0");
    }

  });

};

/* export cartTable function */
export {cartTable};
```