VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

https://jelkesudo.github.io/musichousedaily/

Web Programiranje 1

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Smer: Internet tehnologije

Modul: Web Programiranje

Predmet: Web Programiranje 1

Sadržaj

1.Uvod

1.1 Korišćeni programski jezici

Jezici koji su korišćeni za izradu sajta su HTML, CSS(SASS), XML, JavaScript i jQuery biblioteka JavaScripta.

1.2 Opis funkcionalnosti

Stranica index.html

- Dinamičko ispisivanje hedera strane
- Dinamičko ispisivanje futera strane
- Menjanje teksta u span tagu na tajmer na pocetku strane
- Dinamički ispisan „Carousel" sa događajem koji filtrira vesti u zavisnosti koji je izvođač izabran, za funkcionalnost „Carousela" je iskorišćen plugin Slice
- Dinamički ispisane vesti koje se klikom na ceo div šire i prikazuju dodatni sadržaj određene vesti, sa efektom .slideToggle() jQuery biblioteke, tekst koji daje do znanja korisniku da je moguće pritisnuti na vest radi prikazivanja sadržaja
- Toggle dugme koje omogućuje korisniku stranicu u dark mode-u

Stranica register.html

- Forma koja dinamički proverava da li je sadrzaj koji je zadat u formu dobro unešen, pomoću regularnih izraza i petlji, dugmad reset i submit
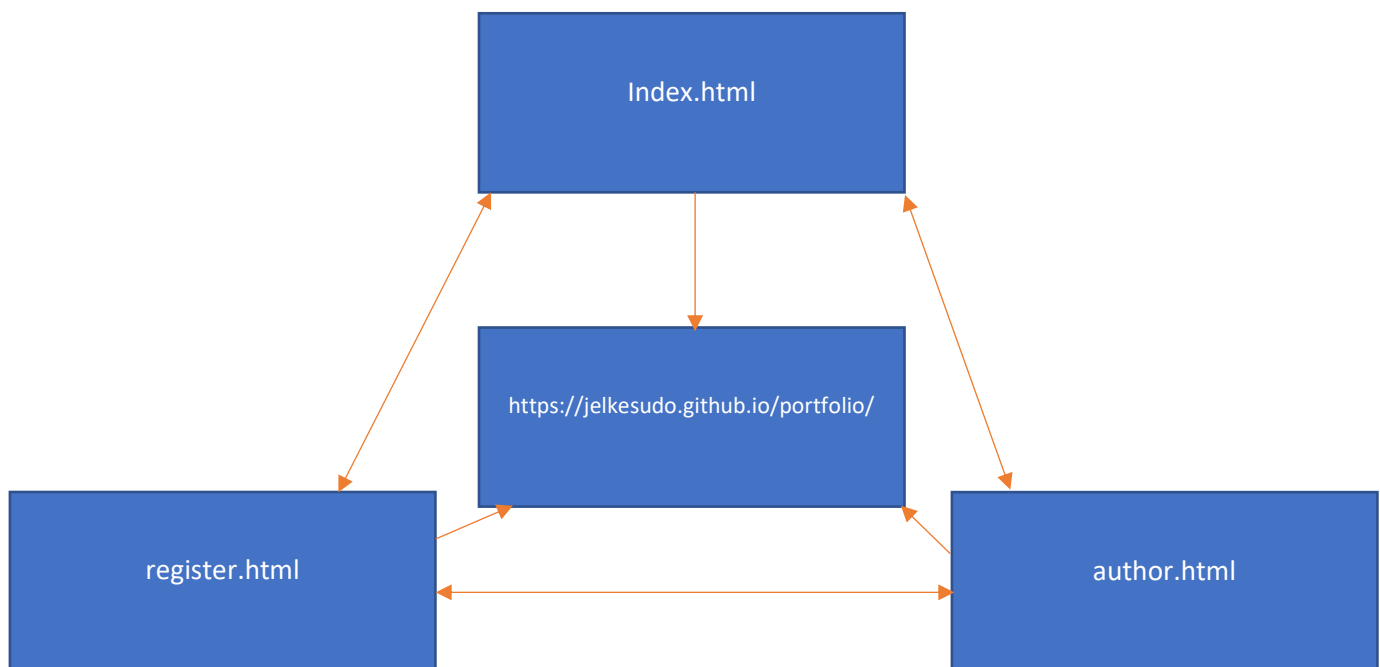
Stranica author.html je staticki uradjena osim delova hedera i futera koji su generisani iz iste skripte kao za register.html i index.html

1.3 Template

Za izradu sajta nije korišćen prvobitno gotov template.

2.Organizacija

2.1 Organizaciona šema

2.2 Mapa sajta

```xml
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <url>
    <loc>https://jelkesudo.github.io/musichousedaily/index.html</loc>
    <lastmod>2021-12-12</lastmod>
    <changefreq>daily</changefreq>
    <priority>1.00</priority>
  </url>
  <url>
    <loc>https://jelkesudo.github.io/musichousedaily/register.html</loc>
    <lastmod>2021-12-12</lastmod>
    <changefreq>mothly</changefreq>
    <priority>0.80</priority>
  </url>
  <url>
    <loc>https://jelkesudo.github.io/musichousedaily/author.html</loc>
    <lastmod>2021-12-12</lastmod>
    <changefreq>yearly</changefreq>
    <priority>0.50</priority>
  </url>
</urlset>
```
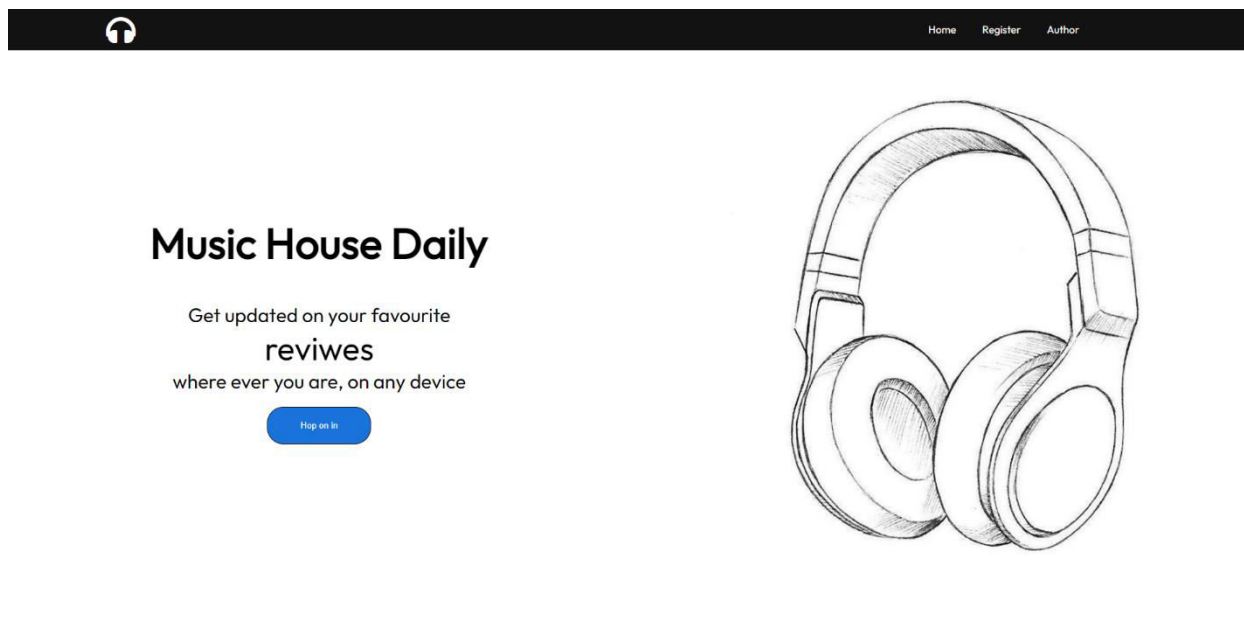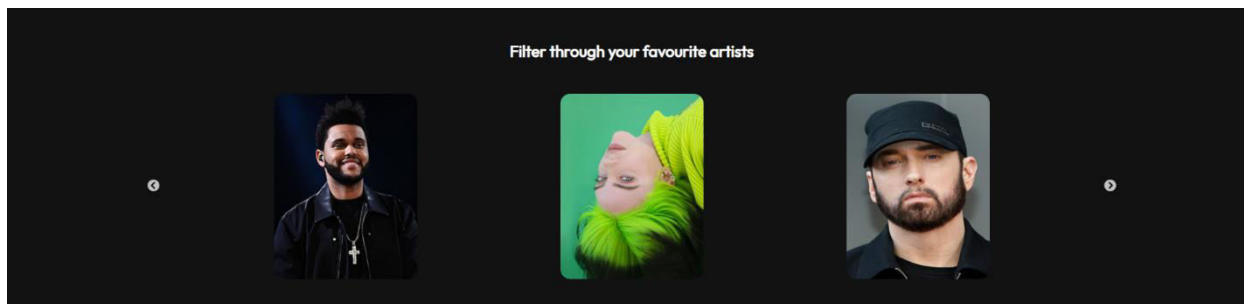
2.3 Slike stranica I opis funkcionalnosti

Klikom na dugme „Hop on in" se spušta do „carousel dela stranice"

Prelazenjem misem na neku od slika prikazuje se poluprovidni blok u kojem je ispisano ime izvođača, koji kada se pritisne filtrira vesti u bloku ispod u zavisnosti od toga koji je izvođač izabran. „Carousel" ubačen pomoću JavaScripta jQuery plugin-a po imenu „Slice", daje mogućnost prolaženja kroz „carousel" radi biranja drugih izvođača po kojima će da se filtriraju vesti.
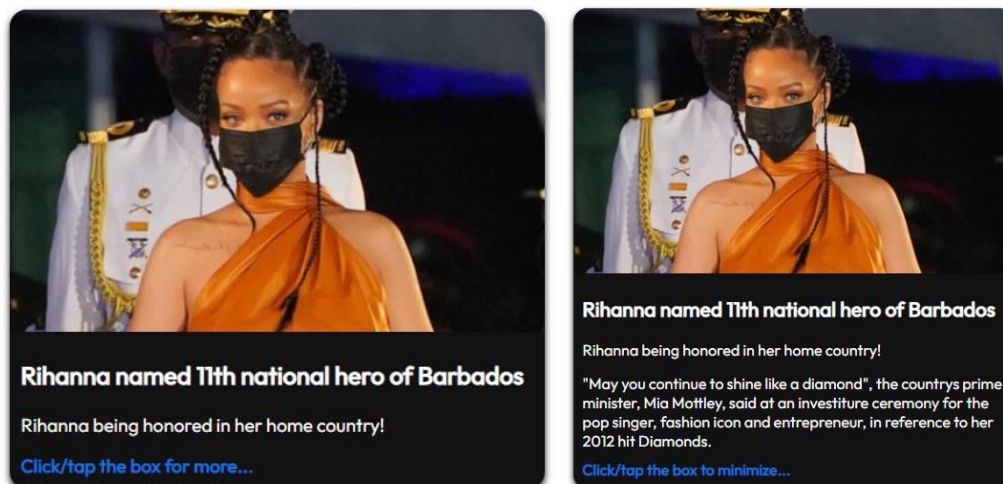
Kada se pritisne na vest u bilo kojem delu bloka, blok se proširuje prikazujući dodatni sadržaj bloka, u ovom slučaju proširenu vest, koji se može zatvoriti isto pritiskom na blok, za animaciju otvaranja i zatvaranja dodatnog sadržaja korišćen je .slideToggle() iz jQuery-a

„Back to the top" dugme ima funkciju vraćanja korisnika na vrh strane, koje se pojavljuje u donjem desnom delu ekrana tek kada je korisnik odmakao odredjen broj pixela od početka stranice.
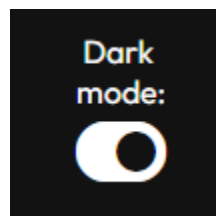
Dugme „Dark mode" koje menja :root vrednosti u css fajlu i inverzuje boje tako da se postigne efekat stranice „dark mode", klikom opet na dugme „dark mode" se gasi i prvobitne boje se vraćaju.

Register

Your site nickname

Your nickname is invalid, you need at least 3 numbers, example: Jimmy123, Tody457..

Password

The password must contain one lowercase letter, one uppercase letter, one number, one unique character such as !@#$%^&? and be at least 6 characters long.

Confirm Password

Passwords must match

Enter E-mail

Must conatin @, domain after @, example: name@domain.com

| 1 | January | 2021 |

You must be over 16 years

| Register | Reset |

Na stranici register.html, napravljena je forma koja, ako korisnik želi da se registruje, traži od korisnika da unese korisničko ime koje mora imati jedno veliko, mala slova i brojeve kako bi bilo validno, da ukuca šifru i da je potvrdi, šifra može imati velika i mala slova, takođe i brojeve, ako se obe šifre ne podudaraju forma ce izbaciti tekst gde se jasno kaže korisniku da se šifre ne podudaraju. E-mail mora da sadrži ime koje je korisnik zadao, @ znak i domen na kojem je sajt napravljen u formatu „ime@domen.com“. Forma za kraj pita korisnika za njegove godine, ako unese bilo koji datum posle 2005. godine, forma ce mu reci koliko godina mora da ima. Dugme Register i Reset su programirana u JavaScriptu, jedno da izbaci alert i kaže korisniku da se uspešno registrovao i resetuje stranu, dok drugo resetuje greške na ekranu.

3.Kodovi

Napomena: linije koda koje su skroz crvene su nadjene na internetu.

3.1 HTML

3.1.1Index.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="author" content="Filip Jelić"/>
        <meta name="keywords" content="music, news, stream, kanye, billie,
eminem, the weekend, rihanna, drake"/>
        <meta name="description" content="Music House Daily is a news feed for
all your daily dose of music based news"/>
        <link rel="shortcut icon" href="assets/img/favicon.ico">
        <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
        <link rel="stylesheet" type="text/css" href="slick/slick.css"/>
        <link rel="stylesheet" type="text/css" href="slick/slick-theme.css"/>
        <script src="https://kit.fontawesome.com/80203d7dc5.js"
crossorigin="anonymous"></script>
        <title>Music House Daily | Home</title>
    </head>
    <body>
        <div id="toggleNightMode">
            <P>Dark mode:</P><i id="iChange" class="fas fa-toggle-off"></i>
        </div>
        <header id="menu">
            <!-- generated with javascript -->
        </header>
        <main>
            <div class="cover">
                <div class="welcomeText">
                    <div class="contentText">
                        <h1>Music House Daily</h1>
                        <p>Get updated on your favourite</p>
                        <span>reviews</span>
                        <p>where ever you are, on any device</p>
                        <a href="#carouselBlock"><button>Hop on in</button></a>
                        <!--napisati dogadjaj koji menja dugme pri hoveru-->
                    </div>
                </div>
                <div class="picture">
```

```html
                    <img id="togglePicture" src="assets/img/headPhoneWhite.gif"
alt="headphone picture" id="coverPicture"/>
                </div>
            </div>
            <div id="carouselBlock" class="carouselBlock">
                <div class="carouselHeading">
                    <h2>Filter through your favourite artists</h2>
                </div>

            </div>

            <div id="news">
                <!-- generated with javascript -->
            </div>
        </main>
        <footer id="footer">
        <!-- generated with javascript -->
        </footer>
        <div id="backToTheTop">
            <i class="fas fa-arrow-up"></i>
        </div>
        <script type="text/javascript" src="assets/js/jquery-
3.6.0.min.js"></script>
        <script type="text/javascript" src="slick/slick.min.js"></script>
        <script type="text/javascript" src="assets/js/script.js"></script>
    </body>
</html>
```

3.1.2 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"/>
        <meta name="author" content="Filip Jelić"/>
        <meta name="keywords" content="register, music, house, daily, nickname,
password, email, day, month, year"/>
        <meta name="description" content="Registration for our site"/>
        <link rel="shortcut icon" href="assets/img/favicon.ico">
        <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
        <script src="https://kit.fontawesome.com/80203d7dc5.js"
crossorigin="anonymous"></script>
        <title>Register</title>
    </head>
    <body>
        <div id="toggleNightModeRegister">
            <p>Dark mode:</p><i id="iChange" class="fas fa-toggle-off"></i>
        </div>
        <header id="menu">
            <!-- generated with javascript -->
        </header>
        <main>
            <div id="container" class="container">
                <div class="logoSredina">
                    <h1>Music House Daily</h1>
                    <img id="formPicture" src="assets/img/headPhoneWhite.gif"
alt="headphone logo"/>
                </div>
                <form id="register" class="forma">
                    <h2>Register</h2>
                    <input id="nickname" type="text" placeholder="Your site
nickname"/>
                    <div class="error"></div>
                    <input id="password" type="password" placeholder="Password"/>
                    <div class="error"></div>
                    <input id="passwordConfirm" type="password"
placeholder="Confirm Password"/>
                    <div class="error"></div>
                    <input id="email" type="email" placeholder="Enter E-mail"/>
                    <div class="error"></div>
                    <div class="around">
                        <div>
```

```html
                        <select name="day" id="day">
                        </select>
                    </div>
                    <div>
                        <select name="month" id="month">
                        </select>
                    </div>
                    <div>
                        <select name="year" id="year">
                        </select>
                    </div>
                    <div class="error"></div>
                </div>
                <div class="around">
                    <button type="submit"
id="registerButton">Register</button>
                    <button type="reset">Reset</button>
                </div>
            </form>
        </div>
    </main>
    <footer id="footer">
        <!-- generated with javascript -->
    </footer>
    <div id="backToTheTop">
        <i class="fas fa-arrow-up"></i>
    </div>
    <script type="text/javascript" src="assets/js/jquery-
3.6.0.min.js"></script>
    <script type="text/javascript" src="assets/js/script.js"></script>
    </body>
</html>
```

3.1.3 author.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="author" content="Filip Jelić"/>
        <meta name="keywords" content="Filip, Jelić, author, page, student, ICT,
Serbia, web, programming"/>
        <meta name="description" content="Author of Music House Daily Page"/>
        <link rel="shortcut icon" href="assets/img/favicon.ico">
        <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
        <script src="https://kit.fontawesome.com/80203d7dc5.js"
crossorigin="anonymous"></script>
        <title>Music House Daily | Author Page</title>
    </head>
    <body>
        <div id="toggleNightModeNoPicture">
            <p>Dark mode:</p><i id="iChange" class="fas fa-toggle-off"></i>
        </div>
        <header id="menu">
            <!-- generated with javascript -->
        </header>
        <main>
            <div class="containerAuthor">
                <div class="authorImage">
                    <img src="assets/img/filipjelic.png" alt="author">
                </div>
                <div class="authorText">
                    <h2>My name is <a
href="https://jelkesudo.github.io/portfolio/" target="_blank">Filip
Jelić</a></h2>
                    <p>Greetings, I am Filip Jelić, a 19 year old student that is
curently studying web programming module on the Internet technologies, a part of
the ICT College in Serbia. I come from Obrenovac, a city near the capital city of
Serbia Belgrade, where i finished elementary and high school. By enrolling in ICT
my decision to tinker with computers was my way to set a stable future for me,
right now in the specter of Web, and who knows what tommorow. By now i have 3
projects that helped me hoan the knowledge that i currently hold, and use on my
wesites. you can check out my portfolio page by clicking   <a
href="https://jelkesudo.github.io/portfolio/" target="_blank">here</a>.</p>
                </div>
            </div>
        </main>
```

```
        <footer id="footer">
            <!-- generated with javascript -->
        </footer>
        <div id="backToTheTop">
            <i class="fas fa-arrow-up"></i>
        </div>
        <script type="text/javascript" src="assets/js/jquery-
3.6.0.min.js"></script>
        <script type="text/javascript" src="assets/js/script.js"></script>
    </body>
</html>
```

3.2 CSS-SASS

```
:root {
    --pageColor: #121212;
    --titlesOther: #121212;
    --whiteLetters: #FFFFFF;
    --assetsBlue: rgb(26, 115, 218);
  }
$whiteLetters: #FFFFFF;
@font-face {
    font-family: "br";
    src: url("../fonts/br.ttf");
}
@mixin fleks {
    display: flex;
    flex-wrap: wrap;
}
@mixin fleks-around {
    display: flex;
    justify-content: space-around;
    flex-wrap: wrap;
}
@mixin fleks-center {
    display: flex;
    justify-content: center;
    flex-wrap: wrap;
}
@mixin fleks-between {
    display: flex;
    justify-content: space-between;
    flex-wrap: wrap;
}
*{
    margin: 0px;
    padding: 0px;
    box-sizing: border-box;
    scroll-behavior: smooth;
}
ul{
    list-style-type: none;
}

a{
    text-decoration: none;
    color: var(--whiteLetters);;
}
```

```scss
body{
    background-color: var(--whiteLetters);
    font-family: "br";
    header{
        position: fixed;
        width: 100%;
        padding: 5px 0px;
        background-color: var(--pageColor);
        z-index: 8;
        @include fleks-between();
        a{
            :hover{
                color: var(--assetsBlue);
                transition: 0.5s;
            }
            i{
                margin-top: 6px;
                margin-left: 150px;
                font-size: 45px;
                color: $whiteLetters;
            }
        }
        nav{
            width: 40%;
            ul{
                padding: 12px 5px;
                @include fleks-center();
                a{
                    :hover{
                        background-color: var(--assetsBlue);
                        color: var(--whiteLetters);
                        transition: 0.5s;
                    }
                    li{
                        border-radius: 25px;
                        background-color: none;
                        margin: 0px 10px;
                        padding: 5px 10px;
                        color: $whiteLetters;
                    }
                }
            }
        }
    }
    main{
```

```scss
    .cover{
        width: 100%;
        height: 100vh;
        @include fleks-center();
        align-items: center;
        .welcomeText, .picture{
            width: 50%;
        }
        .welcomeText{
            @include fleks-center();
            .contentText{
                width: 60%;
                margin: auto;
                text-align: center;
                h1{
                    font-size: 65px;
                    padding-bottom: 50px;
                    color: var(--titlesOther);
                }
                p{
                    font-size: 30px;
                    color: var(--titlesOther);
                }
                span{
                    font-size: 50px;
                    color: var(--titlesOther);
                }
                a{
                    button{
                        margin-top: 20px;
                        padding: 20px 50px;
                        background-color: var(--assetsBlue);
                        border: 1px solid var(--pageColor);
                        border-radius: 25px;
                        cursor: pointer;
                        color: var(--whiteLetters);
                    }
                    :hover{
                        background-color: var(--whiteLetters);
                        border: 1px solid var(--assetsBlue);
                        color: var(--pageColor);
                        transition: 0.5s;
                    }
                }
```

```css
        }
    }
    .picture{
        img{
            width: 100%;
        }
    }
}
.carouselBlock{
    width: 100%;
    text-align: center;
    padding-bottom: 50px;
    background-color: #2e2e2e;
    color: #FFFFFF;
    .carouselHeading{
        padding: 50px 0px;
    }
    #carousel{
        width: 75%;
        margin: 0px auto;
        a{
            .carouselItem{
                width: 50%;
                z-index: 1;
                margin: 0px auto;
                text-align: center;
                border-radius: 15px;
                color: var(--pageColor);
                position: relative;
                .artistName{
                    width: 100%;
                    height: 100%;
                    position: absolute;
                    top: 0;
                    left: 0;
                    display: none;
                    p{
                        padding: 120px 0px;
                    }
                }
            }
            img{
                width: 100%;
                border-radius: 15px;
            }
        }
```

```scss
            :hover{
                transition: 0.5s;
                .artistName{
                    display:block;
                    border-radius: 15px;
                    background-color: rgba($color: black, $alpha: 0.5);
                    color: #FFFFFF;
                    height: 100%;
                    cursor: pointer;
                }
            }
        }
    }
}
#news{
    width: 80%;
    margin: 50px auto;
    @include fleks-around();
    .newsArticle{
        width: 30%;
        height: 0%;
        margin: 25px 0px;
        border-radius: 15px;
        background-color: #2e2e2e;
        color: #FFFFFF;
        box-shadow: 0px 3px 6px #2e2e2e;
        display: none;
        h2,p,span{
            margin: 10px 10px 0px 10px;
        }
        h2{
            padding: 10px 0px;
            font-size: 21px;
        }
        .titleNews{
            padding-bottom: 5px;
        }
        span{
            padding-bottom: 10px;
            color: var(--assetsBlue);
            font-weight: bold;
        }
        img{
            width: 100%;
            border-radius: 15px 15px 0px 0px;
```

```scss
            }
            @for $i from 0 through 11 {
                #moreText#{$i} {
                    display: none;
                }
            }
        }
        .show {
            display: block;
        }
    }
    // register page
    .container{
        width: 80%;
        margin: 0px auto;
        padding: 200px 0px;
        @include fleks-around;
        .logoSredina, .forma{
            width: 30%;
        }
        .logoSredina{
            h1{
                color: var(--titlesOther);
            }
        }
        .fleks{
            @include fleks;
            justify-content: center;
        }
        .margin-auto{
            margin: auto 0px;
        }
        .forma{
            h2{
                text-align: center;
                padding-bottom: 10px;
                color: var(--titlesOther);
            }
            input[type=text], input[type=password], input[type=email],
select, button{
                border-radius: 7px;
                padding: 10px 5px;
                margin: 15px 0px;
                border: 1px solid var(--assetsBlue);
            }
```

```scss
            .around{
                @include fleks-around;
                div{
                    @include fleks;
                    align-items: center;
                    width: 30%;
                    select{
                        width: 100%;
                    }
                    .error{
                        width: 100%;
                        font-size: 12px;
                    }
                }
            }
            input[type=text], input[type=email], input[type=password]{
                width: 100%;
            }
            button{
                width: 40%;
                padding: 10px 5px;
                background-color: var(--whiteLetters);
                color: var(--titlesOther);
                cursor: pointer;
            }
        }
        .error{
            font-size: 12px;
            margin-top: 2px;
            color: red;
        }
        .logoSredina{
            text-align: center;
            img{
                padding-top: 40px;
                width: 100%;
            }
        }
    }
    // end of register page

    // author page
    .containerAuthor{
        width: 80%;
        margin: 0px auto;
```

```scss
        @include fleks-center;
        padding: 200px 0px;
        .authorImage, .authorText{
            width: 48%;
        }
        .authorImage{
            text-align: center;
            border-radius: 15px;
            img{
                border-radius: 15px;
            }
        }
        .authorText{
            padding: 100px 0px;
            h2,p{
                color: var(--titlesOther);
                a{
                    color: var(--assetsBlue);
                }
                :hover{
                    color: rgb(206, 95, 21);
                    transition: 0.5s;
                }
            }
            h2{
                padding-bottom: 20px;
            }
        }
    }
    // end of author page
}
#footer{
    width: 100%;
    @include fleks-center();
    background-color: var(--pageColor);
    padding: 20px 0px;
    ul{
        width: 20%;
        margin: 15px 0px;
        padding: 10px 25px;
        color: $whiteLetters;
        list-style-type: disc;
        border-left: 2px solid $whiteLetters;
        a{
            color: $whiteLetters;
```

```scss
                }
                li{
                    padding: 10px 0px;
                }
            }
            .copyright{
                width: 100%;
                text-align: center;
                color: $whiteLetters;
                a{
                    color: var(--assetsBlue);
                }
                :hover{
                    color: rgb(206, 95, 21);
                    transition: 0.5s;
                }
            }
        }
    }
}
#backToTheTop{
    position: fixed;
    bottom: 20px;
    right: 20px;
    width: 42px;
    height: 42px;
    z-index: 8;
    background-color: var(--pageColor);
    border: 3px solid var(--assetsBlue);
    border-radius: 15px;
    transition: 0.5s;
    color: $whiteLetters;
    text-align: center;
    opacity: 0;
    transition: 0.1s;
    cursor: pointer;
    i{
        padding: 10px 0px;
    }
}
#toggleNightMode, #toggleNightModeNoPicture, #toggleNightModeRegister{
    position: absolute;
    top: 100px;
    right: 40px;
    width: 42px;
    height: 42px;
```

```scss
        z-index: 8;
        text-align: center;
        cursor: pointer;
        p{
            color: var(--titlesOther);
        }
        i{
            color: var(--titlesOther);
            font-size: 40px;
        }
}
@for $i from 0 through 11 {

    #slick-slide-control0#{$i}::before {
        color: $whiteLetters;
    }
}
@media screen and (max-width: 1450px) {
    body {
        main{
            .cover{
                .welcomeText{
                    .contentText{
                        h1{
                            font-size: 50px;
                        }
                        p{
                            font-size: 25px;
                        }

                    }
                }
            }
            .carouselBlock{
                .carouselHeading{
                    padding: 50px 0px;
                }
                #carousel{
                    width: 75%;
                    margin: 0px auto;
                    a{
                        .carouselItem{
                            .artistName{
                                p{
                                    padding: 100px 0px;
```

```scss
                    }
                }
            }
        }
    }
}
#news{
    width: 80%;
    margin: 50px auto;
    @include fleks-around();
    .newsArticle{
        h2{
            padding: 10px 0px;
            font-size: 15px;
        }
        p{
            font-size: 13px;
        }
        span{
            font-size: 14px;
        }
    }
}
        }
    }
}
}
@media screen and (max-width: 1030px) {
    body {
        header{
            nav{
                ul{
                    a{
                        li{
                            margin: 0px;
                        }
                    }
                }
            }
        }
        main{
            .cover{
                .welcomeText{
                    .contentText{
                        h1{
                            font-size: 37px;
```

```
                }
                p{
                    font-size: 20px;
                }
                span{
                    font-size: 27px;
                }
            }
        }
    }
    .carouselBlock{
        .carouselHeading{
            padding: 50px 0px;
        }
        #carousel{
            width: 75%;
            margin: 0px auto;
            a{
                .carouselItem{
                    .artistName{
                        p{
                            padding: 60px 0px;
                        }
                    }
                }
            }
        }
    }
  }
 }
}
@media screen and (max-width: 770px) {
    body {
        header{
            a{
                i{
                    font-size: 33px;
                    margin-left: 50px;
                }
            }
            nav{
                ul{
                    a{
                        li{
                            font-size: 10px;
```

```scss
                }
            }
        }
    }
}
main{
    .cover{
        padding-top: 100px;
        height: auto;
        .welcomeText, .picture{
            width: 100%;
        }
        .welcomeText{
            .contentText{
                h1{
                    font-size: 28px;
                    padding-bottom: 30px;
                }
                p{
                    font-size: 15px;
                }
                span{
                    font-size: 20px;
                }
                a{
                    button{
                        margin-top: 30px;
                        padding: 10px 30px;
                        font-size: 12px;
                    }
                }
            }
        }
        .picture{
            padding: 80px 0px;
            @include fleks-center;
            img{
                width: 70%;
                margin: auto;
            }
        }
    }
    .carouselBlock{
        .carouselHeading{
            padding: 50px 0px;
```

```scss
        h2{
            font-size: 20px;
        }
    }
    #carousel{
        width: 75%;
        margin: 0px auto;
        a{
            .carouselItem{
                width: 75%;
                .artistName{
                    p{
                        padding: 100px 0px;
                    }
                }
            }
        }
    }
}
#news{
    .newsArticle{
        width: 48%;
        h2,p,span{
            margin-left: 10px;
            font-size: 12px;
        }
        h2{
            padding: 10px 0px;
            font-size: 12px;
        }
        p{
            font-size: 10px;
        }
        span{
            font-size: 12px;
        }
    }
}

// contact page
.container{
width: 90%;
padding: 100px 0px;
.logoSredina, .forma{
    width: 100%;
```

```scss
        }
        .logoSredina{
            display: none;
        }
        .forma{
            .around{
                @include fleks-around;
                div{
                    @include fleks;
                    align-items: center;
                    width: 30%;
                }
                .error{
                    width: 100%;
                }
            }
        }
    }
    // end of contact page
    .containerAuthor{
        padding: 100px 0px;
        .authorImage, .authorText{
            width: 100%;
        }
        .authorText{

            padding: 50px 0px;
            padding-bottom: 0px;
            h2,p{
                a{
                    color: var(--assetsBlue);
                }
                :hover{
                    color: rgb(206, 95, 21);
                    transition: 0.5s;
                }
            }
        }

    }
    }
  }
}
@media screen and (max-width: 430px) {
    body {
```

```scss
header{
    position: relative;
    a{
        i{
            font-size: 33px;
            margin-left: 25px;
        }
    }
    nav{
        width: 70%;
        ul{
            a{
                li{
                    font-size: 10px;
                }
            }
        }
    }
}
main{
    .cover{
        .welcomeText, .picture{
            width: 100%;
        }
        .welcomeText{
            .contentText{
                h1{
                    font-size: 28px;
                    padding-bottom: 30px;
                }
                p{
                    font-size: 15px;
                }
                span{
                    font-size: 20px;
                }
            }
        }
        .picture{
            padding: 80px 0px;
            @include fleks-center;
            img{
                width: 70%;
                margin: auto;
            }
        }
```

```scss
            }
        }
        #news{
            .newsArticle{
                width: 100%;
                h2,p,span{
                    margin-left: 10px;
                    font-size: 12px;
                }
                h2{
                    padding: 10px 0px;
                    font-size: 18px;
                }
            }
        }
        // contact page
        .container{
            padding: 50px 0px;
            .logoSredina, .forma{
                width: 100%;
            }
            .logoSredina{
                display: none;
            }
            .forma{
                .around{
                    @include fleks-around;
                    div{
                        @include fleks;
                        align-items: center;
                        width: 30%;
                    }
                    .error{
                        width: 100%;
                    }
                }
            }
        }
        // end of contact page
    }
    #footer{
        ul{
            width: 100%;
            margin-left: 20px;
        }
```

```css
        .copyright{
            padding: 10px 0px;
        }
    }
    #toggleNightMode, #toggleNightModeNoPicture, #toggleNightModeRegister{
        top: 60px;
        right: 20px;
        width: 42px;
        height: 42px;
        text-align: center;
        cursor: pointer;
        p{
            display: none;
        }
        i{
            font-size: 33px;
        }
    }
  }
}
@media screen and (max-width: 380px) {
    body {
        header{
            position: relative;
            a{
                i{
                    font-size: 30px;
                    margin-left: 25px;
                }
            }
            nav{
                width: 70%;
                ul{
                    a{
                        li{
                            font-size: 8px;
                        }
                    }
                }
            }
        }
        main{
            .cover{
                .welcomeText{
                    .contentText{
```

```scss
            h1{
                font-size: 28px;
                padding-bottom: 30px;
            }
            p{
                font-size: 15px;
            }
            a{
                button{
                    margin-top: 30px;
                    padding: 10px 20px;
                    font-size: 12px;
                }
            }
        }
    }
}
// author page
.containerAuthor{
    width: 90%;
    margin: 0px auto;
    @include fleks-center;
    padding: 50px 0px;
    .authorImage, .authorText{
        width: 100%;
    }
    .authorImage{
        text-align: center;
        border-radius: 15px;
        img{
            width: 100%;
            border-radius: 15px;
        }
    }
    .authorText{
        h2,p{
            a{
                color: var(--assetsBlue);
            }
            :hover{
                color: rgb(206, 95, 21);
                transition: 0.5s;
            }
        }
    }
```

```
            }
            // end of author page
        }
    }
}
@media screen and (max-width: 325px) {
    body {
        header{
            position: relative;
            a{
                i{
                    font-size: 25px;
                    margin-left: 25px;
                }
            }
            nav{
                width: 80%;
                ul{
                    a{
                        li{
                            font-size: 8px;
                        }
                    }
                }
            }
        }
        main{
            .cover{
                .welcomeText{
                    .contentText{
                        h1{
                            font-size: 20px;
                            padding-bottom: 30px;
                        }
                        p{
                            font-size: 12px;
                        }
                        span{
                            font-size: 18px;
                        }
                        a{
                            button{
                                margin-top: 30px;
                                padding: 10px 20px;
                                font-size: 10px;
```

```
                         }
                    }
               }
          }
       }
     }
   }
}
```
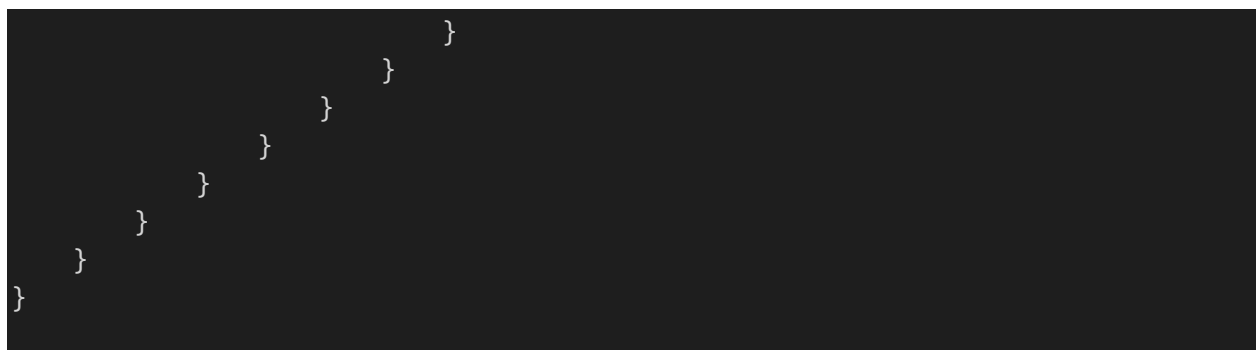
3.3 JavaScript

3.3.1 script.js

```javascript
console.log("OK");

if( window.location.pathname == '/musichousedaily/index.html' ||
window.location.pathname == '/musichousedaily/'){
  indexPage();
}
if(window.location.pathname == '/musichousedaily/register.html'){
  registerPage();
}

//dark mode button

let picToggle = document.getElementById("togglePicture");

let picToggleForm = document.getElementById("formPicture");

let toggleDark = document.getElementById("iChange");

let black = window.getComputedStyle(document.documentElement).getPropertyValue('-
-pageColor');

let lessDark =
window.getComputedStyle(document.documentElement).getPropertyValue('--
whiteLetters');

let white = window.getComputedStyle(document.documentElement).getPropertyValue('-
-titlesOther');

$("#toggleNightMode").click(() =>{
  if(toggleDark.classList.contains("fa-toggle-off")){
    toggleDark.classList.remove("fa-toggle-off");
    toggleDark.classList.add("fa-toggle-on");

    picToggle.src = "assets/img/headPhoneDark.gif";

    black = document.documentElement.style.setProperty("--pageColor", "#2e2e2e");
    white = document.documentElement.style.setProperty("--whiteLetters",
"#121212");
    lessDark = document.documentElement.style.setProperty("--titlesOther",
"#FFFFFF");
  }
  else{
    toggleDark.classList.add("fa-toggle-off");
```

```javascript
    toggleDark.classList.remove("fa-toggle-on");

    picToggle.src = "assets/img/headPhoneWhite.gif";

    black = document.documentElement.style.setProperty("--pageColor", "#121212");
    white = document.documentElement.style.setProperty("--whiteLetters",
"#FFFFFF");
    lessDark = document.documentElement.style.setProperty("--titlesOther",
"#121212");
  }
});

$("#toggleNightModeRegister").click(() =>{
  if(toggleDark.classList.contains("fa-toggle-off")){
    toggleDark.classList.remove("fa-toggle-off");
    toggleDark.classList.add("fa-toggle-on");

    picToggleForm.src = "assets/img/headPhoneDark.gif";

    black = document.documentElement.style.setProperty("--pageColor", "#2e2e2e");
    white = document.documentElement.style.setProperty("--whiteLetters",
"#121212");
    lessDark = document.documentElement.style.setProperty("--titlesOther",
"#FFFFFF");
  }
  else{
    toggleDark.classList.add("fa-toggle-off");
    toggleDark.classList.remove("fa-toggle-on");

    picToggleForm.src = "assets/img/headPhoneWhite.gif";

    black = document.documentElement.style.setProperty("--pageColor", "#121212");
    white = document.documentElement.style.setProperty("--whiteLetters",
"#FFFFFF");
    lessDark = document.documentElement.style.setProperty("--titlesOther",
"#121212");
  }
});

$("#toggleNightModeNoPicture").click(() =>{
  if(toggleDark.classList.contains("fa-toggle-off")){
    toggleDark.classList.remove("fa-toggle-off");
    toggleDark.classList.add("fa-toggle-on");

    black = document.documentElement.style.setProperty("--pageColor", "#2e2e2e");
```

```javascript
    white = document.documentElement.style.setProperty("--whiteLetters",
"#121212");
    lessDark = document.documentElement.style.setProperty("--titlesOther",
"#FFFFFF");
  }
  else{
    toggleDark.classList.add("fa-toggle-off");
    toggleDark.classList.remove("fa-toggle-on");

    black = document.documentElement.style.setProperty("--pageColor", "#121212");
    white = document.documentElement.style.setProperty('--whiteLetters',
'#FFFFFF');
    lessDark = document.documentElement.style.setProperty('--titlesOther',
'#121212');
  }
});

//end of dark mode button from stackoverflow

// creating header in HTML

let navigation = document.createElement("nav");
let redosled = document.createElement("ul");

let pageName = ["Home", "Register", "Author"];
let links = ["index.html", "register.html", "author.html"];

for(let i = 0; i < pageName.length; i++){
    var liChange = document.createElement("li");
    var aChange = document.createElement("a");
    var content = document.createTextNode(`${pageName[i]}`);
    liChange.appendChild(content);
    aChange.setAttribute("href", `${links[i]}`);
    aChange.appendChild(liChange);
    redosled.appendChild(aChange);
}

var headMenu = document.getElementById("menu");
navigation.appendChild(redosled);

var logoLink = document.createElement("a");
var logo = document.createElement("i");

logo.setAttribute("class", "fas fa-headphones");
```

```javascript
logoLink.appendChild(logo);
logoLink.setAttribute("href", "index.html");

headMenu.appendChild(logoLink);
headMenu.appendChild(navigation);

// end of creating header in HTML

//footer creation
let futer = document.getElementById("footer");

var footerContent = [
    ["Home", "Author", "Register", "Documentation ", "index.html", "author.html",
"login.html", "Dokumentacija.pdf"],
    ["Facebook", "Instagram", "Twitter", "Dribble", "https://www.facebook.com/",
"https://www.instagram.com/", "https://www.twitter.com/",
"https://dribbble.com/"],
    ["Call center: +38163 45 67 890", "Adress: Zdravka čelara 16", "Work time for
call center: 08am - 04pm", "Music House Daily 2021"]
];

for(let i = 0; i < footerContent.length; i++){
    var ulFooter = document.createElement("ul");
    for(let j = 0; j < footerContent.length + 1; j++){
        var liFooter = document.createElement("li");
        var contentFooter = document.createTextNode(`${footerContent[i][j]}`);
        if(i != 2){
            var aFooter = document.createElement("a");
            aFooter.setAttribute("href", `${footerContent[i][j + 4]}`);
            if(i == 1){
                aFooter.setAttribute("target", "_blank");
            }
            aFooter.appendChild(contentFooter);
            if(i == 0 && j == 3){
              aFooter.innerHTML += "<i class=\"fas fa-file-pdf\"></i>";
              aFooter.setAttribute("target", "_blank");
            }
            liFooter.appendChild(aFooter);
        }
        else{
            liFooter.appendChild(contentFooter);
        }
        ulFooter.appendChild(liFooter);
    }
    futer.appendChild(ulFooter);
```

```
}

futer.innerHTML += '<div class="copyright">&copy;Copyright <a
href="https://jelkesudo.github.io/portfolio/" target="_blank">Filip Jelić</a>
2021 - Visoka ICT</div>';
// adding copyright and link to the portfolio page
// end of footer creation

$("#backToTheTop").click(toTop);

mybutton = document.getElementById("backToTheTop");

window.onscroll = function() {scrollFunction()};

function scrollFunction() {
  if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {
    mybutton.style.opacity = 1;
    $(mybutton).fadeIn();
  }
  else {
    $(mybutton).fadeOut();
  }
}

function toTop() {
  document.documentElement.scrollTop = 0;
}

function indexPage(){
  console.log("OK");
  // changing title on the start of the index page

  var title = ["reviews", "artists", "albums"];

  let spanTitle = document.querySelector('.contentText span');

  var counter=0;
  function changeHeading(){
    spanTitle.innerHTML=title[counter];
    counter++;
    if(counter>2){
      counter=0;
    }
  }
```

```javascript
  setInterval(changeHeading, 2000);

  //end of changing title on the start of the index page

  //carousel

  let names = ["Show All", "Drake", "Rihanna", "Ye", "The Weekend", "Billie
Eilish", "Eminem"];
  let namesPictures = ["all", "drake", "rihanna", "kanye", "weekend", "billie",
"eminem"];

  let carouselBlock = document.getElementById("carouselBlock");
  let artistCarousel = document.createElement("div");
  artistCarousel.setAttribute("id", "carousel");

  for(artist in names){
    let anchorArtists = document.createElement("a");
    let artistDiv = document.createElement("div");

    anchorArtists.setAttribute("class", `${namesPictures[artist]}`);

    artistDiv.classList.add("carouselItem");

    let picture = document.createElement("img");
    picture.src = `assets/img/carousel/carousel_${namesPictures[artist]}.jpg`;
    picture.alt = namesPictures[artist];

    let artistsName = document.createElement("div");
    artistsName.setAttribute("class", "artistName");

    let artistsNameP = document.createElement("p");
    artistsNameP.innerHTML = `${names[artist]}`;

    artistsName.appendChild(artistsNameP);

    artistDiv.appendChild(picture);
    artistDiv.appendChild(artistsName);

    anchorArtists.appendChild(artistDiv);
    artistCarousel.appendChild(anchorArtists);

  }

  carouselBlock.appendChild(artistCarousel);
```

```javascript
$(document).ready(function(){
  $("#carousel").slick({
    centerMode: true,
    centerPadding: '60px',
    slidesToShow: 3,
    responsive: [
      {
        breakpoint: 770,
        settings: {
          arrows: false,
          centerMode: true,
          centerPadding: '40px',
          slidesToShow: 3,
          dots: true
        }
      },
      {
        breakpoint: 480,
        settings: {
          arrows: false,
          centerMode: true,
          centerPadding: '40px',
          slidesToShow: 1,
          dots: true
        }
      }
    ]
  });
});

//end of carousel

// news

let news = document.querySelector("#news");

let newsTitles = ["Kanye drops new album \"Donda\"",
                  "Rihanna named 11th national hero of Barbados",
                  "Drake's new album just got out",
                  "Kim and Ye divorce after 6 years of marriage",
```

```
                        "Eminem released a new album",
                        "Billie Eilish has a fragerance!!!",
                        "Weekend tour shedueled for November 2022",
                        "\"Bad guy\" reaches 1 Billion views",
                        "\"Jesus is king\" still on the top",
                        "Drake withdraws Grammy 2022 nominations",
                        "\"Blinding lights\" all-time No.1 Billboard single",
                        "\"Moms spageti\" is real?!"];

  let newsCaption = ["Kanye climbed the leaderboar with his new album!",
                        "Rihanna being honored in her home country!",
                        "Certified Lover Boy hits top charts!",
                        "Kim needs someone who \"she can spend her life with\"",
                        "After a long wait, we finnaly got it!",
                        "When will it be able?",
                        "It is right around the corner...",
                        "Billie has reached an amaizing milestone!",
                        "But we are waiting for Donda to rise!",
                        "What could be the reason?",
                        "Does it really deserve the title?",
                        "Once a dream, now we can proudly say a reality" ];

  let newsPicture = ["kanye-chant.jpg",
                        "rihanna-barbados.jpg",
                        "drake-clb.jpg",
                        "kim-and-kanye.jpg",
                        "eminem-album.jpg",
                        "billie-fragrance.jpg",
                        "weekend-concert.jpg",
                        "bad-guy-billie.jpg",
                        "kanye-jeesus.jpg",
                        "drake-gramy.jpg",
                        "blinding-lights.jpg",
                        "moms-spagetti.jpg"];

  let newsContent = ["Kanye West's 10th album arrives barely finished and with a
lot of baggage. Its 27 tracks include euphoric highs that lack connective tissue,
a data dump of songs searching for a higher calling.",
                        "\"May you continue to shine like a diamond\", the countrys
prime minister, Mia Mottley, said at an investiture ceremony for the pop singer,
fashion icon and entrepreneur, in reference to her 2012 hit Diamonds.",
                        "Drake's sixth album sounds good but feels labored.
Melancholic and often incisive, it becomes an overlong and very familiar journey
through the life, mind, and heart of Drake. The Certified Lover Boy is
selectively honest, occasionally heartless, and set in his ways.",
```

"Days after Kim Kardashian honoured Kanye West during her People's Choice Awards speech, the rapper has made another public plea for them to rekindle their romance. 'I need you to run right back to me,' West said on Thursday night, during a performance of hit song 'Runaway', at the Free Larry Hoover benefit concert, before adding: 'More specifically, Kimberly.'",

"\"Music to be murdered by\" is the new album by Eminem that recently dropped on all streaming platforms. All harcore fans of Eminem waited for this moment, for the king of rap and lyrics to be one more in the spotlight",

"The perfume additionally features notes of amber and musk, as well as cocoa and berries. Eilish will be dropping online at 9 a.m. PST (12 p.m. EST) on November 10. Priced at $68 USD, Eilish will be available in stores all across the globe.",

"The Weekend is shifting around his 2022 tour plans, pushing back the start of the trek to next summer and moving his gigs from arenas to stadiums. In a statement, the Weeknd said, "Due to constraints of arenas and the demand for more shows I want to do something bigger and special for you which requires stadiums." Ticket holders will be refunded automatically, and they'll also get priority to buy tickets for the new shows when they're announced. Dates will be detailed soon.",

"\"Bad Guy\" surpassed one billion views in November 2020; to celebrate, Google created an 'Infinite Bad Guy' interactive site that allowed users to switch between over 15,000 different covers of the song available on YouTube.",

"Jesus Is King is the ninth studio album by American rapper Kanye West, that got a lot of streams since it was released, but statistics show that Donda may surpass his ninth album by a lot!",

"Rapper and singer Drake has withdrawn his two nominations for the 2022 Grammy Awards. The Canadian star, a previous four-time Grammy winner, had been in the running for Best Rap Album for his sixth studio record Certified Lover Boy, and Best Rap Performance for single Way 2 Sexy featuring Future and Young Thug.",

"The Weeknd's hit single Blinding Lights has officially been crowned the all-time No 1 song on the Billboard single charts, ousting Chubby Checker's 1960s hit the Twist. The song, an instant synth-pop classic, debuted in late November 2019 and topped the weekly Billboard Hot 100 for four weeks in April and May 2020, going on to spend a record-shattering 90 consecutive weeks on the chart.",

"Mom's Spaghetti existed sporadically before it set up shop in the southwest corner of Union Assembly, the new downtown Detroit venture operated by Michigan restaurant group Union Joints. The company launched in 1995 in nearby Clarkston, operating a restaurant out of a shuttered 19th Century Baptist Church—its big draw is the mac and cheese, so the company knows its way around a noodle. Union Joints helped Eminem and his manager, Paul Rosenberg,

```
launch their pasta place in 2017 with a pop-up to help celebrate the arrival of
the rapper's album Revival." ];

  let sortNews = ["kanye", "rihanna", "drake", "kanye", "eminem", "billie",
"weekend", "billie", "kanye", "drake", "weekend", "eminem"];

  let anchorArtistsId = artistCarousel.children;

  for(let i = 0; i < newsTitles.length; i++){
      let newNewsArticle = document.createElement("div");

      newNewsArticle.setAttribute("class", "newsArticle");
      newNewsArticle.classList.add(`${sortNews[i]}`);
      newNewsArticle.classList.add("show");

      let newTitle = document.createElement("h2");
      newTitle.innerHTML = `${newsTitles[i]}`;

      let newImg = document.createElement("img");
      newImg.src = `assets/img/news/${newsPicture[i]}`;

      let newCaption = document.createElement("p");
      newCaption.innerHTML = `${newsCaption[i]}`;
      newCaption.setAttribute("class", "titleNews");

      let newContent = document.createElement("p");
      newContent.innerHTML = `${newsContent[i]}`;
      newContent.setAttribute("id", `moreText${i}`);

      newNewsArticle.appendChild(newImg);
      newNewsArticle.appendChild(newTitle);
      newNewsArticle.appendChild(newCaption);

      var readMoreText = document.createTextNode("Click/tap the box for
more...");
      var readMore = document.createElement("span");
      readMore.setAttribute("id", `readMore${i}`);
      readMore.style.display = "block"

      newNewsArticle.appendChild(newContent);

      readMore.appendChild(readMoreText);
      newNewsArticle.appendChild(readMore);

      $(newNewsArticle).click(function(){
```

```javascript
      var button = document.getElementById(`readMore${i}`);
      var additionalText = document.getElementById(`moreText${i}`);
      if(button.innerHTML == "Click/tap the box for more..."){
        button.innerHTML = "Click/tap the box to minimize...";
      }
      else{
        button.innerHTML = "Click/tap the box for more...";
      }
      $(additionalText).slideToggle('slow');
    });


    news.appendChild(newNewsArticle);
}

let newsArticle = document.getElementById("news").children;

// end of news

//sort

let aArrayID = Array.prototype.slice.call(anchorArtistsId, 0);

let newsArticleID = Array.prototype.slice.call(newsArticle, 0);

for(let i = 0; i < aArrayID.length; i++){
  aArrayID[i].addEventListener("click", function(){
    filterArtists(`${namesPictures[i]}`);
  });
}

function filterArtists(check/*namesPicture*/) {
  var articles, i;
  articles = document.getElementsByClassName("newsArticle");
  if (check == "all"){
    check = "";
  }
  for (i = 0; i < articles.length; i++) {
    articles[i].classList.remove("show");
    if (articles[i].className.indexOf(check) > -1){
      articles[i].classList.add("show");
    }
  }
}
```

```javascript
}

function registerPage(){
  console.log("OK");
  // form generation
  let months = ["January", "February", "March", "April", "May", "June", "July",
"August", "September", "October", "November", "December"];

  let selectDay = document.getElementById("day");
  let selectMonth = document.getElementById("month");
  let selectYear = document.getElementById("year");

  for(let i = 1; i < 32; i++){
      var newOption = document.createElement("option");
      newOption.setAttribute("value", `${i}`);
      newOption.innerHTML = `${i}`;
      selectDay.appendChild(newOption);
  }

  for(let i = 0; i < months.length; i++){
      var newOption = document.createElement("option");
      newOption.setAttribute("value", `${months[i]}`);
      newOption.innerHTML = `${months[i]}`;
      selectMonth.appendChild(newOption);
  }

  for(let i = 2021; i > 1899; i--){
      var newOption = document.createElement("option");
      newOption.setAttribute("value", `${i}`);
      newOption.innerHTML = `${i}`;
      selectYear.appendChild(newOption);
  }

  //end of form generation

  // declaring form messages and checking all of the fields

  let form = document.getElementById("register");
  let nickname = document.getElementById("nickname");
  let password = document.getElementById("password");
  let passwordConfirm = document.getElementById("passwordConfirm");
  let email = document.getElementById("email");
  let day = document.getElementById("day");
  let month = document.getElementById("month");
  let year = document.getElementById("year");
```

```javascript
  let errors = document.getElementsByClassName("error");

  let nicknameBool = false;
  let passwordBool = false;
  let passwordConfirmBool = false;
  let emailBool = false;
  let yearBool = false;

  //regex check for email and nickname
  let nicknameRegexCheck = /^[A-Za-z]{1,20}[0-9]{3,20}$/;
  let emailRegexCheck = /^[a-zA-Z0-9._%-]+@[a-zA-Z0-9.-]+.[a-zA-Z]{2,4}$/;
  let passwordRegexCheck = /^[A-Za-z0-9]{5,20}$/;

  form.addEventListener("submit", (e) => {
      e.preventDefault();
      checkName();
      passwordCheck();
      passwordConfirmCheck();
      emailCheck();
      yearsCheck();
      if (nicknameBool && passwordBool && passwordConfirmBool && emailBool &&
yearBool){
          alert("Sucesfull registration");
          setTimeout("location.reload(true);", 0);
      }
  });

  form.addEventListener("reset", () => {
      for(var i = 0; i < 6; i++){
        errors[i].innerHTML = "";
      }
  });

  function checkName() {
      if (nickname.value.match(nicknameRegexCheck)) {
        nicknameBool = true;
        errors[0].innerHTML = "";
      }
      else {
        nicknameBool = false;
        errors[0].innerHTML = "Your nickname is invalid, you need at least 3
numbers, example: Jimmy123, Tody457..";
      }
    };
```

```javascript
  function passwordCheck (){
    if (password.value == "" || !passwordRegexCheck.test(password.value)) {
      passwordBool = false;
      errors[1].innerHTML = "Your password should be at least 5 characters long
and contain letters and numbers, it should not contain symbols";
    }
    else {
      passwordBool = true;
      errors[1].innerHTML = "";
    }
  }

  function passwordConfirmCheck () {
    if (passwordConfirm.value == "" || password.value != passwordConfirm.value) {
      passwordConfirmBool = false;
      errors[2].innerHTML = "Passwords must match";
    }
    else {
      passwordConfirmBool = true;
      errors[2].innerHTML = "";
    }
  }

  function emailCheck () {
      if (!emailRegexCheck.test(email.value)) {
        emailBool = false;
        errors[3].innerHTML = "Must conatin @, domain after @, example:
name@domain.com";
      }
      else {
        emailBool = true;
        errors[3].innerHTML = "";
      }
    };

  function yearsCheck () {
      if (parseInt(year.value) > 2005) {
        yearBool = false;
        errors[4].innerHTML = "You must be over 16 years";
      }
      else {
        yearBool = true;
        errors[4].innerHTML = "";
      }
    };
```

```
  nickname.addEventListener("blur", checkName);
  password.addEventListener("blur", passwordCheck);
  passwordConfirm.addEventListener("blur", passwordConfirmCheck);
  email.addEventListener("blur", emailCheck);
  year.addEventListener("blur", yearsCheck);
}
```