

Beograd, 2020.

Visoka škola strukovnih studija za informacione i
komunikacione tehnologije

Dokumentacija

<https://njevric.github.io/urban-info>

Urban Info

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1.Uvod

1.1 Korišćeni programski jezici

Za izradu sajta je korišćen programski jezik Javascript, njegova biblioteka JQuery , HTML hipertekst jezik , CSS i XML.

1.2 Opis funkcionalnosti

- JQueryLoader plugin za load animaciju
- Navigacioni meni, ikone za društvene mreže I blokovi u div-u sa id-em icons su ispisane dinamički iz nizova
- Hamburger meni sa fade animacijom za prikaz I izlaz iz istog
- Dinamički ispis I filter imena gradova u listi animirano događajem keyup na inputu za pretragu
- Javascript plugin planete koji nakon pretrage prikazuje gde se pretraženi grad nalazi na mapi
- Gornji input za pretragu omogućava pretragu svih svetskih gradova I varošica I prikazuje manju količinu informacija za pretražene gradove (Beograd, Gornji Milanovac ...)
- Donji input za pretragu omogućava pretragu samo većih urbanizovanih gradova (Chicago,Dubai...)
- Sve informacije o gradovima su dobijene od Teleport public API-a I ispisane AJAX-om dinamički
- U formama za logovanje I registraciju vrši se validacija podataka regularnim izrazima I ispis grešaka u slučaju da je korisnik pogrešno uneo podatke
- Pop up window za prikaz forme za registraciju korisnika I fade animacija

1.3 Template

Template nije korišćen iz drugih izvora, već je pisan samostalno.

2. Organizacija

2.1 Organizaciona šema

Sve stranice sajta su dostupne sa svake stranice sajta. Ne postoje stranice kojima nije moguće pristupiti sa neke od stranica sajta

2.2 Mapa sajta

```
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
<url>
<loc>https://njevric.github.io/urban-info</loc>
<lastmod>2020-12-09</lastmod>
<changefreq>daily</changefreq>
<priority>1</priority>
</url>
<url>
<loc>https://njevric.github.io/urban-info/author.html</loc>
<lastmod>2020-12-09</lastmod>
<changefreq>yearly</changefreq>
<priority>0.9</priority>
</url>
</urlset>
```

2.3 robots.txt

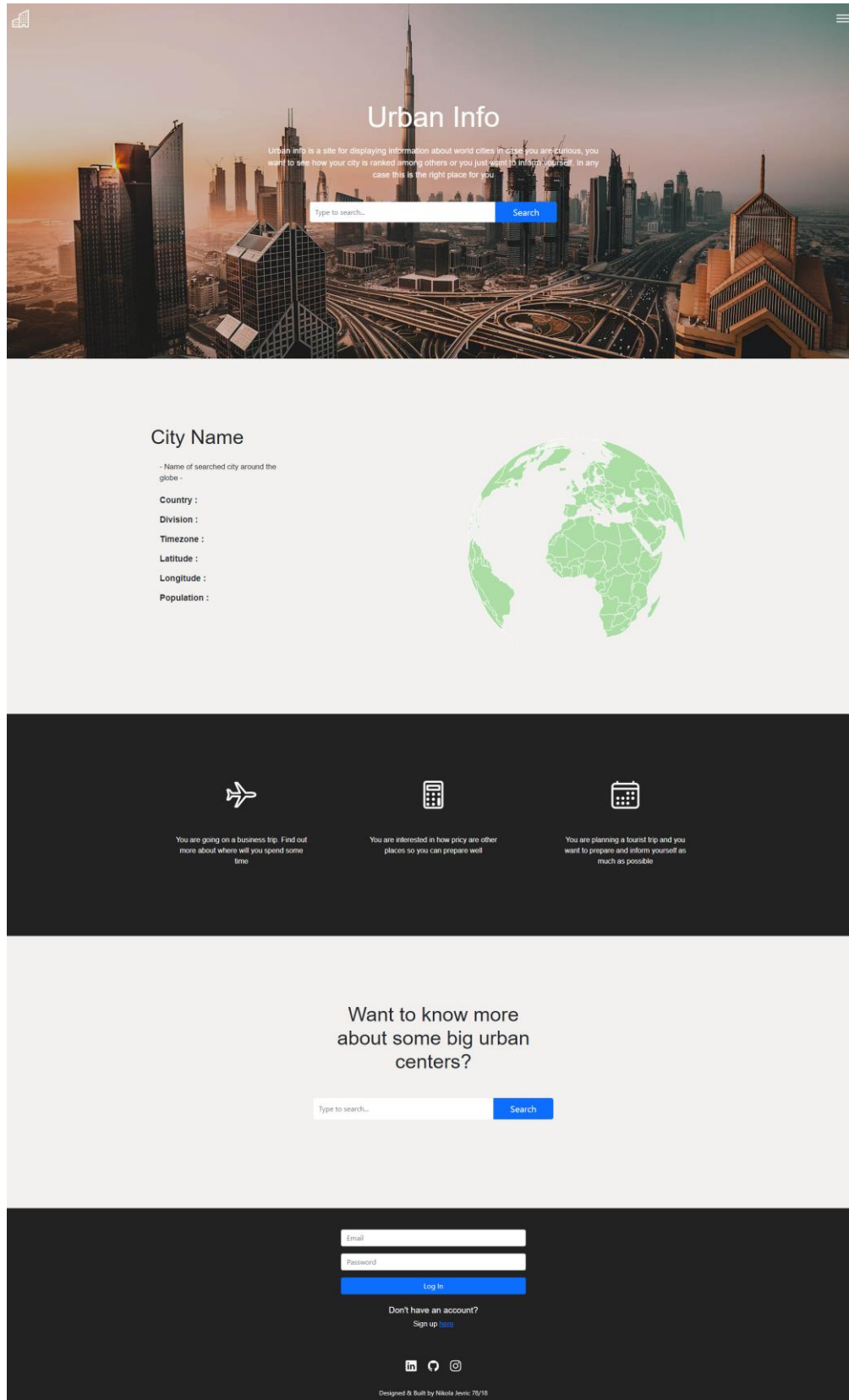
User-agent: *

Disallow: /adminRobot/

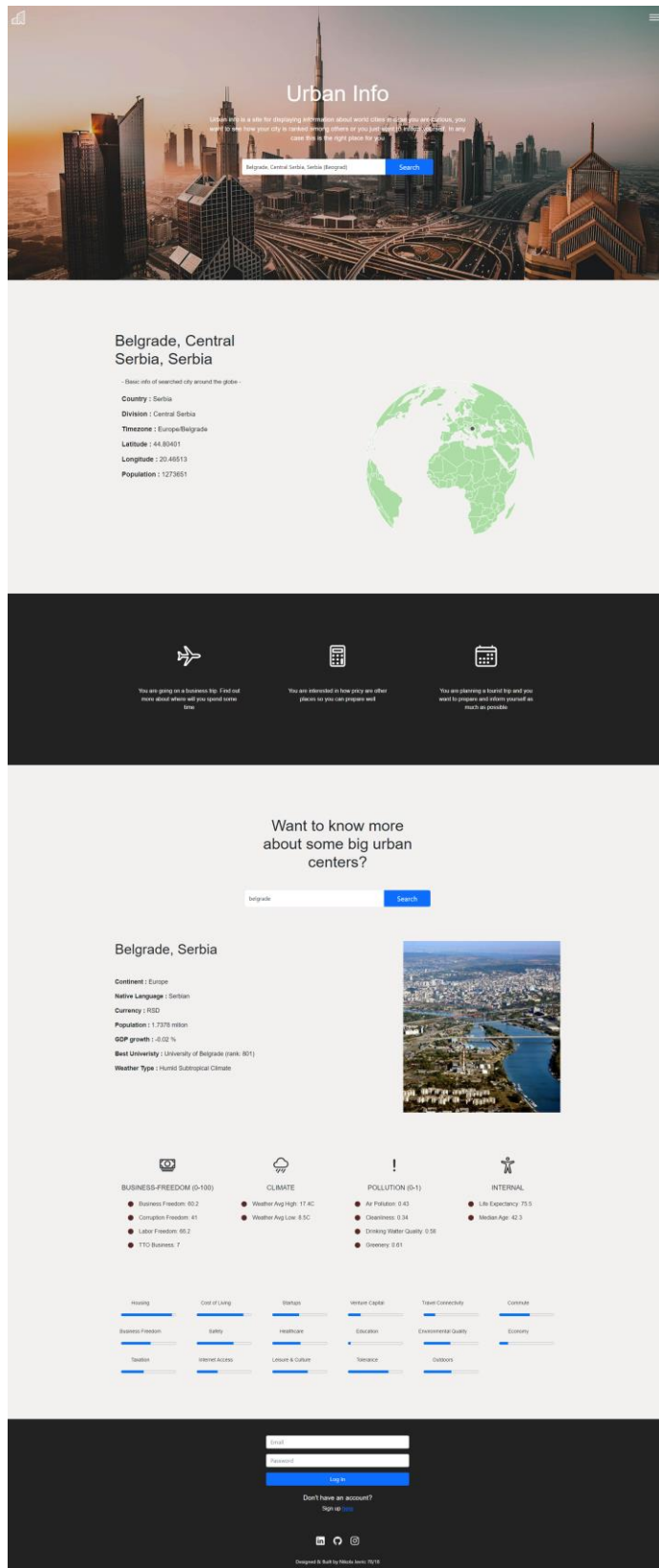
2.4 Stranice

2.4.1 index.html

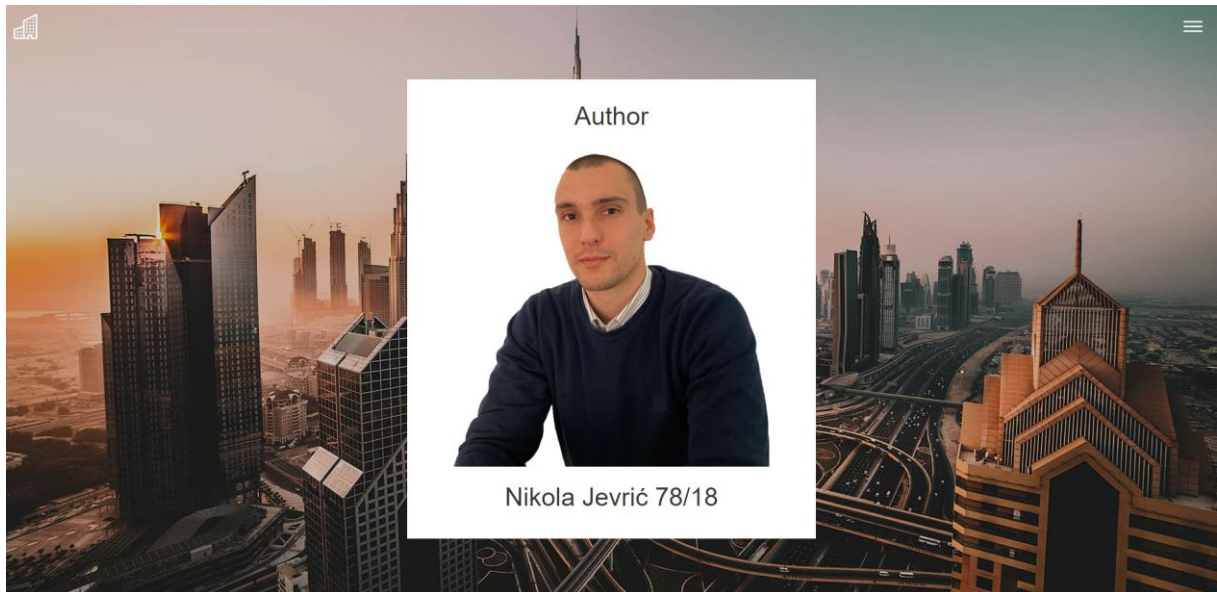
2.4.1.1 Početna strana bez podataka iz pretrage



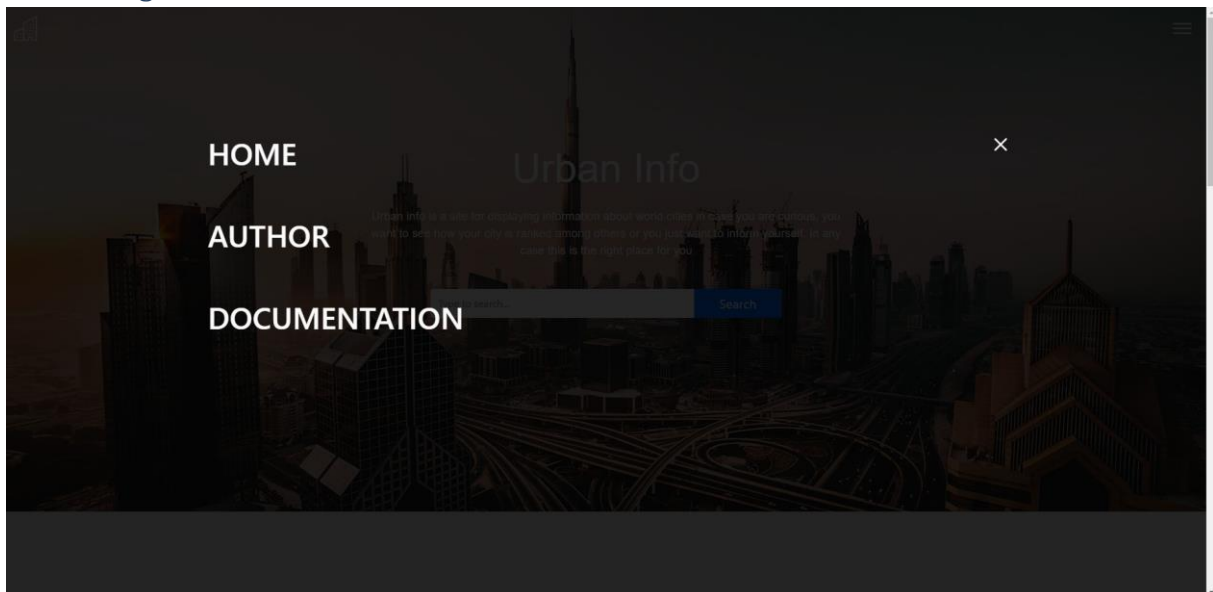
2.4.1.2 Početna strana nakon izvršenih pretraga



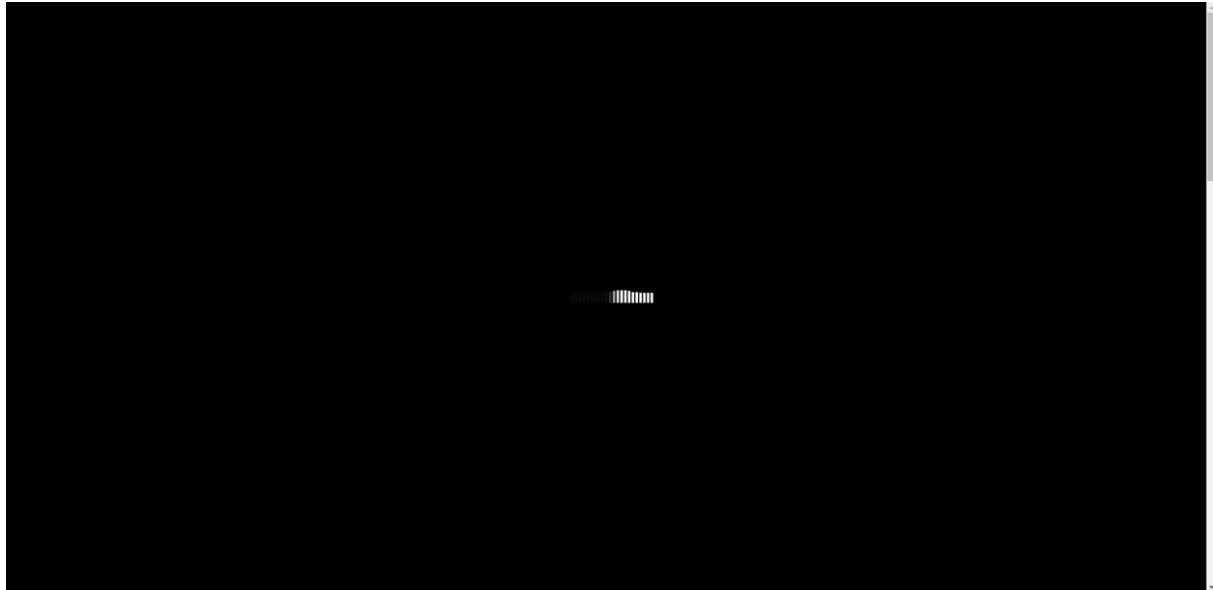
2.4.2 author.html



2.4.3 navigacioni meni



2.4.4 jquery loader plugin



3.Kodovi

3.1 HTML

3.1.1 index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <meta name="description" content="URban Info website that uses teleport public API for searching and displaying info about the cities and quality of life among them"/>
  <meta name="keywords" content="Urban info, urban, info, city"/>
  <meta name="author" content="Nikola Jevric">
  <title>Urban Info</title>
  <link rel="stylesheet" href="assets/css/style.css" type="text/css"/>
  <!-- CSS only -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-CuOF+2SnTUfTwSZjCXf01h7uYhf0BuxIhGKPbfEJ3+FqH/s6cIFN9bGr1HmAg4fQ" crossorigin="anonymous">
  <link rel="shortcut icon" href="assets/img/ico.svg" type="image/x-icon"/>
</head>
<body>

  <header>
    <nav class="navbar navbar-expand-lg">
      <div class="container-fluid">
```



```

        <a href="index.html"><svg width="1em" height="1em" viewBox="0
0 16 16" class="bi bi-building fs-
1" fill="currentColor" xmlns="http://www.w3.org/2000/svg">
        <path fill-
rule="evenodd" d="M14.763.075A.5.5 0 0 1 15 .5v15a.5.5 0 0 1-.5.5h-
3a.5.5 0 0 1-.5-.5V14h-1v1.5a.5.5 0 0 1-.5.5h-9a.5.5 0 0 1-.5-
.5V10a.5.5 0 0 1 .342-.474L6 7.64V4.5a.5.5 0 0 1 .276-.447l8-
4a.5.5 0 0 1 .487.022zM6 8.694L1 10.36V15h5V8.694zM7 15h2v-1.5a.5.5 0 0 1 .5-
.5h2a.5.5 0 0 1 .5.5V15h2V1.309l-7 3.5V15z"/>
        <path d="M2 11h1v1H2v-1zm2 0h1v1H4v-1zm-2 2h1v1H2v-
1zm2 0h1v1H4v-1zm4-4h1v1H8V9zm2 0h1v1h-1V9zm-2 2h1v1H8v-1zm2 0h1v1h-1v-1zm2-
2h1v1h-1V9zm0 2h1v1h-1v-1zm8 7h1v1H8V7zm2 0h1v1h-1V7zm2 0h1v1h-
1V7zm8 5h1v1H8V5zm2 0h1v1h-1V5zm2 0h1v1h-1V5zm0-2h1v1h-1V3z"/>
        </svg></a>

        <div class="navbar-nav ml-auto">
            <ion-icon name="menu-outline" class="menuIco fs-1"></ion-
icon>

            <div class="openMenu">

            </div>

        </div>
    </div>
</nav>
<section id="naslov" class="container">

    <div class="row">
        <article class="col-lg-8 mx-auto">
            <h1 class="text-center">Urban Info</h1>
            <p class="text-center mt-4 mb-5">
                Urban info is a site for displaying information about
world cities in case you are curious, you want to see how your city is ranked
among others or you just want to inform yourself. In any case this is the righ
t place for you</p>
            <form class="mx-auto">
                <div class="d-flex">
                    <input class="form-
control" type="text" placeholder="Type to search..." aria-
label="Search" id="search" value="" autocomplete="off" data-id="">
                    <div class="ispisGradova">

                    </div>
                    <input type="submit" class="btn btn-primary btn-
lg" value="Search" id="submit"/>

                </div>

            </form>

```

```

        </article>

    </div>
</section>
</header>
<main>
    <div id="grad" class="container">
        <div class="row mx-auto">
            <div class="col-lg-6 col-12 ">
                <div class="col-12 mx-auto">
                    <h2 class="">City Name</h2>
                </div>
                <div class="col-lg-12 mx-auto ">
                    <div class="col-lg-6 col-11 basicInfo mr-lg-5 mr-0">

                        <p class="mb-4 opis text-
left">- Name of searched city around the globe -</p>
                        <div class="textBasicInfo">
                            <p>Country : <span> </span></p>
                            <p>Division : <span> </span></p>
                            <p>Timezone : <span> </span></p>
                            <div class="location">
                                <p>Latitude : <span> </span></p>
                                <p>Longitude : <span> </span></p>
                            </div>
                            <p>Population : <span> </span></p>
                        </div>
                    </div>
                </div>

            </div>
            </div>
            <div class="col-lg-6 col-md-10 col-12 mx-auto mx-lg-0">
                <div id="mapa"></div>
            </div>
        </div>

    </div>

    <div id="icons" class=" ">

    </div>

    <div id="moreInfo" class="container">
        <div id="searchCity">

```

```

        <div class="col-lg-12 d-flex justify-content-center text-
center">
            <h2 >Want to know more about some big urban centers?</h2>
        </div>
        <form>
            <div class="d-flex col-lg-5 col-10 my-5 mx-
auto searchUrbanGradova">
                <input list="urbanCities" class="form-
control" placeholder="Type to search..." id="searchUrbanCity" autocomplete="of
f">

                <div class="ispisUrbanGradova">

                </div>
                <input type="submit" class="btn btn-primary btn-
lg" value="Search" id="submitUrban"/>
            </div>
        </form>
    </div>

    <div id="aboutUrbanCity" class="col-lg-12 mx-auto">
        <div id="imageAndText">
            <div class="row">
                <div class="col-lg-6 col-10 mx-auto mx-lg-0 text">

                </div>
                <div class="col-lg-6 slika mr-lg-auto col-10 mx-
auto mx-lg-0 mt-5 mt-lg-0">

            </div>

        </div>

    </div>

    </div>
    <div id="specificInfo" class="col-lg-12 mx-auto">
        <div class="row specificInfo">

        </div>
    </div>
    <div id="scores" class="col-lg-12">

    </div>
</div>

</main>

```

```

<footer class="pt-4">
  <div id="log" class="container pt-4">
    <div class="row">
      <div class="sign-form col-lg-4 col-md-8 col-10 mx-auto">
        <form class="row g-3 logForma">
          <div class="col-12 d-flex position-relative">
            <input type="text" class="form-
control" id="inputEmail" placeholder="Email"><p class="log"></p>
          </div>
          <div class="col-12 d-flex position-relative">
            <input type="password" class="form-
control" id="inputPass" placeholder="Password"><p class="log"></p>
          </div>
          <div class="col-12">
            <input type="submit" class="form-control btn-
primary" id="inputLogin" value="Log In"/>
          </div>
        </form>
      </div>
      <div class="createAcc my-4 col-lg-12 text-center">
        <h4>Don't have an account?</h4>
        <p>Sign up <a href="#" id="openSignUpForm">here</a></p>
      </div>
    </div>

  </div>

  <div class="social container text-center">
    <div class="row">
      <div class="icons col-lg-12 pt-4 fs-3">

        <div class="col-lg-12 pt-4 pb-4">
          <small>Designed & Built by Nikola Jevric 78/18</small>
        </div>
      </div>
    </div>
  </div>
</footer>
<div id="createAccForm" class="container-fluid">
  <form class="row g-3 logForm col-lg-3 col-10 mx-auto">
    <div class="d-flex justify-content-between">
      <h3>Sign Up</h3>
      <ion-icon name="close-outline" class="fs-3 escape"></ion-icon>
    </div>

    <div class="col-md-12 d-flex position-relative">

```

```

        <input type="text" class="form-
control" id="inputFirstName" placeholder="First Name"><p class=" sign"></p>
    </div>
    <div class="col-md-12 d-flex position-relative">
        <input type="text" class="form-
control" id="inputLastName" placeholder="Last Name"><p class=" sign"></p>
    </div>
    <div class="col-12 d-flex position-relative">
        <input type="text" class="form-
control" id="inputEmailSign" placeholder="Email"><p class=" sign"></p>
    </div>
    <div class="col-12 d-flex position-relative">
        <input type="password" class="form-
control" id="inputPassSign" placeholder="Password"><p class=" sign"></p>
    </div>

    <div class="col-12">
        <input type="submit" class="form-control btn-
primary" id="inputSignUp" value="Sign Up"/>
    </div>
</form>
</div>
<div class="loader" id="myLoader"></div>

<!-- JS -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min
.js"></script>

<script src="assets/js/main.js" type="text/javascript"></script>
<!-- JavaScript Bundle with Popper.js -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
alpha3/dist/js/bootstrap.bundle.min.js" integrity="sha384-
popRpmFF9JQgExhfw5tZT4I9/CI5e2QcuUZPOVXb1m7qUmeR2b50u+YFEYe1wgzy" crossorigin=
"anonymous"></script>
<!-- icons -->
<script src="https://unpkg.com/ionicons@5.2.3/dist/ionicons.js"></script>

<!-- plugin -->
<script src="assets/js/loader_plugin.js" type="text/javascript"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/d3/3.5.3/d3.min.js"></
script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/topojson/1.6.9/topojso
n.min.js"></script>
<script src="assets/js/datamaps.world.min.js"></script>
</body>
</html>

```

3.1.2 author.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <meta name="description" content="URban Info website that uses teleport public API for searching and displaying info about the cities and quality of life among them"/>
  <meta name="keywords" content="Urban info, urban, info, city"/>
  <meta name="author" content="Nikola Jevric">
  <title>Urban Info</title>
  <link rel="stylesheet" href="assets/css/style.css" type="text/css"/>
  <!-- CSS only -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-CuOF+2SnTUfTwSZjCXf01h7uYhf0BuxIhGKPBfEJ3+FqH/s6cIFN9bGr1HmAg4fQ" crossorigin="anonymous">
  <link rel="shortcut icon" href="assets/img/ico.svg" type="image/x-icon"/>
</head>
<body>
  <header id="author">
    <nav class="navbar navbar-expand-lg">
      <div class="container-fluid">
        <a href="index.html"><svg width="1em" height="1em" viewBox="0 0 16 16" class="bi bi-building fs-1" fill="currentColor" xmlns="http://www.w3.org/2000/svg">
          <path fill-rule="evenodd" d="M14.763.075A.5.5 0 0 1 15 .5v15a.5.5 0 0 1 -.5.5h-3a.5.5 0 0 1 -.5-.5v-15a.5.5 0 0 1 .5-.5h-9a.5.5 0 0 1 -.5-.5v15a.5.5 0 0 1 .342-.474L6 7.64V4.5a.5.5 0 0 1 .276-.447l8-4a.5.5 0 0 1 .487.022zM6 8.694L1 10.36V15h5V8.694zM7 15h2v-1.5a.5.5 0 0 1 .5-.5h2a.5.5 0 0 1 .5.5V15h2V1.309l-7 3.5V15z"/>
          <path d="M2 11h1v1H2v-1zm2 0h1v1H4v-1zm2 2h1v1H2v-1zm2 0h1v1H4v-1zm4-4h1v1H8V9zm2 0h1v1h-1V9zm-2 2h1v1H8v-1zm2 0h1v1h-1v-1zm2-2h1v1h-1V9zm0 2h1v1h-1v-1zM8 7h1v1H8V7zm2 0h1v1h-1V7zm2 0h1v1h-1V7zM8 5h1v1H8V5zm2 0h1v1h-1V5zm0-2h1v1h-1V3z"/>
        </svg></a>

        <div class="navbar-nav ml-auto">
          <ion-icon name="menu-outline" class="menuIcon fs-1"></ion-icon>

          <div class="openMenu">

          </div>
        </div>
      </div>
    </nav>
  </header>
```

```

        </div>
    </nav>
    <div id="about" class="mx-auto text-center container">
        <div class="col-lg-6 mx-auto about">
            <h1 class="p-4">Author</h1>
            
            <h3 class="text-center p-4">Nikola Jevrić 78/18</h3>
        </div>

    </div>
</header>
<div class="loader" id="myLoader"></div>

<!-- JS -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script src="assets/js/main.js" type="text/javascript"></script>
<!-- JavaScript Bundle with Popper.js -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-alpha3/dist/js/bootstrap.bundle.min.js" integrity="sha384-popRpmFF9JQgExhfw5tZT4I9/CI5e2QcuUZPOVXb1m7qUmeR2b50u+YFEYe1wgzy" crossorigin="anonymous"></script>
<!-- icons -->
<script src="https://unpkg.com/ionicons@5.2.3/dist/ionicons.js"></script>
>

<!-- plugin -->
<script src="assets/js/loader_plugin.js" type="text/javascript"></script>
>

</body>

```

3.2 CSS

3.2.1 style.css

```

*{
    padding:0px;
    margin:0px;
}
@import url('https://fonts.googleapis.com/css2?family=Martel+Sans&family=Padauk&display=swap');
body{
    background-color:#F2F1EF!important;
}

```

```

h1,h2,h3,h4,h5,h6{
    font-family: 'Padauk', sans-serif;
}
p{
    font-family: 'Martel Sans', sans-serif;
}
h1{
    font-size:4em;
}
h2{
    font-size:2.8em!important;
    width:500px;
}
h3{
    font-size:2.5em!important;
}
h4{
    font-size:1.2em!important;
}
header{
    background-image: url('../img/home6.jpg');
    background-size: cover;
    background-position: top;
    height:800px;
}
/* .navbar{
    padding-top:0px!important;
} */
nav{
    color:#fcfcfc;
    text-transform: uppercase;
    font-weight: 500;
}
nav .menuIco{
    border:1px solid transparent;
    padding:5px;
    transition:.3s ease;
}
nav .menuIco:hover{
    border:1px solid #fcfcfc;
    border-radius: 50px;
}
nav a{
    color:#fcfcfc;
    /* font-size:3.5em; */
    width:50%;
    transition:1s ease;
    padding-left: 0px;
}

```



```

}
nav a:hover{
    color:#fcfcfc;

    /* text-align: center; */
}

@keyframes navHoverAnimacija{
    from{
        padding-left: 10px;
    }
    to{
        padding-left: 30px;
    }
}

@keyframes navOut{
    from{
        padding-left: 30px;
    }
    to{
        padding-left:10px;
    }
}

@keyframes fadeUp{
    from{
        background-color: transparent;
    }
    to{
        background-color: rgba(0,0,0,0.85);
    }
}

@keyframes fadeDown{
    from{
        background-color: rgba(0,0,0,0.85);
        display:block;
    }
    to{
        background-color: transparent;
        display:none;
    }
}

nav .openMenu{
    display:none;
    position: fixed;
    top:0px;
    left:0px;
    animation:fadeUp .5s forwards;
    height:100vh;
}

```

```

    width:100vw;
    z-index:101;
    padding-top:20vh;
    font-size:3em;
    transition: .3s ease;
}
nav .closeMenu{
    animation:fadeDown 1s ease;
}
nav .openMenu .escapeNav{
    padding:10px;
    border:1px solid transparent;
}
nav .openMenu a:hover{
    animation: navHoverAnimacija .3s forwards;
}
nav .outNav{
    animation: navOut .3s ease;
}
nav .openMenu .escapeNav:hover{
    border:1px solid #fcfcfc;
    border-radius: 50px;
}
nav .openMenu a:first-child{
    margin-top:15vh;
}
nav .openMenu a:nth-of-type(2){
    padding:50px 0px;
}
nav .openMenu a:link{
    padding-left:30px;
}
#naslov{
    margin:150px auto;
    color:#fcfcfc;
}

#naslov article h1{
    font-size:4em;
}
#naslov article p{
    font-size:1.15em;
    font-family: 'Martel Sans', sans-serif;
    width:90%;
    margin:0px auto;
}
#naslov article form{

```

```

        background-color: #fff;
        width:65%;
        border-radius: 5px!important;
        position:relative;
    }

    #naslov article form .ispisGradova,main .ispisUrbanGradova
    {
        width:75%;
        height:120px;
        overflow-x: hidden;
        overflow-y: scroll;
        position:absolute;
        left:0px;
        top:45px;
        background-color: #fff;
        color:#333;
        border-radius: 0px 0px 5px 5px;
        visibility:hidden;
        transition:.3s ease;
    }

    #naslov article form .ispisGradova .grad,.ispisUrbanGradova .urbanGrad{
        width:100%;
        padding:5px;
    }

    #naslov article form .ispisGradova .grad:hover,.ispisUrbanGradova .urbanGrad:
    hover{
        background-color:#0275d8;
        color:#fcfcfc;
    }

    #naslov article form .ispisGradova::-webkit-
    scrollbar,main .ispisUrbanGradova::-webkit-scrollbar {
        display: none;
    }

    #naslov article form input,.searchUrbanGradova #searchUrbanCity{
        border:0px!important;
        border-radius: 5px!important;
        width:75%!important;
    }

    #naslov article form input:last-of-type, .searchUrbanGradova input:last-of-
    type{
        border-radius:0px 5px 5px 0px!important;
        width:25%!important;
    }

    /* main{
        min-height: 100vh;
    } */
    main #grad{

```

```

    margin:150px auto;
}

main #grad .basicInfo, main #grad .nameTranslate{
    /* background-color:#fcfcfc; */
    border-radius: 5px;
    transition:.3s ease;
    padding:20px;
}
main #grad .basicInfo .textBasicInfo{
    font-size:1.2em;
    font-weight: 600;
}

main #grad .opis{
    font-size:1.05em;
}
main #grad span{
    font-weight: 400;
}
main #grad .nameTranslate ul{
    list-style-type: none;
}
main #grad .nameTranslate ul li{
    padding:0px 5px;
    font-weight: 500;
}
main #icons{
    padding:50px 0px;
    margin-bottom:150px;
    background-color: #222;
    color:#fcfcfc;
    min-height:500px;
}
main #icons .cardIco{
    height:300px;
    margin:auto auto;
    transition: .3s ease;
    border-radius: 5px;
}
main #icons .cardIco p{
    width:300px;
    margin:0px auto;
    font-size: 1.05em;
}

```

```

main #icons .cardIco:hover{
    background-color:#F2F1EF;
    color:#333;
}
main #icons .ico{
    font-size:72px;
}

#searchCity,#moreInfo,#specificInfo{
    margin-bottom: 100px;
}
.searchUrbanGradova{
    position:relative;
}

.urbanGrad::first-letter{
    text-transform: uppercase;
}

/* #imageAndText{
    height:500px;
} */
/* #imageAndText .slika{
    margin-top:100px;
} */
#imageAndText .slika img{
    height: 500px;
    margin-bottom: 100px;
}
.text{
    text-align: justify;
}
.text h3{

    padding-bottom: 50px;
}
.text .lista p{
    font-size: 1.1em;
    font-weight: 600;
}
.text .lista span{
    font-weight: 400;
}
/* #specificInfo{
    background-color: #222;
    height: 500px;
} */
#specificInfo .info{
    /* background-color: #fff; */

```

```

padding:30px 0px;
transition: .3s ease;
}
#specificInfo .info:hover{
background-color: #fcfcfc;
}
#specificInfo .info ion-icon{
font-size:48px;
}

#specificInfo .info .opis ion-icon{
color:red;
background-color: #333;
border-radius: 10px;
}

.aa{
padding-left: 50px;
}
#scores .score p{
font-size:.9em;
}

#mapa{
height:100%;
width: 100%;
position: relative;
}
#mapa svg{
height:500px;
}

footer{
background-color:#222;
color:#fcfcfc;
position: relative;
}
footer #log .log-form form{
margin:0px auto;
width: 50%;
}
footer .social a{
color:#fcfcfc;
border:1px solid #222;
padding:5px 10px;
transition:.3s ease;

```

```

}
footer .social a:hover{
    color:#fcfcfc;
    border:1px solid #fcfcfc;
    border-radius: 50px;
}

#createAccForm{
    display:none;
    /* background-color: rgba(255,255,255,.35); */
    position:fixed;
    top:50%;
    left:50%;
    transform:translate(-50%,-50%);
    height:100vh;
    width:100vw;
    z-index: 100;
    animation:fadeUp .5s forwards;
}

.closeForm{
    animation:fadeDown 1s ease!important;
}

.logForm{
    margin-top:100px;
    background-color: #fff;
    position:absolute;
    top:50%;
    left:50%;
    transform: translate(-50%,-50%);
    padding:30px;
    color:#333;
    border-radius: 10px;
}

.escape{
    padding:5px;
    border:1px solid #fff;
    transition:.3s ease;
}

.escape:hover{
    border:1px solid #333;
    border-radius:50px;
}

.provera{
    position: absolute;
    width:97%;
    height:38px;
    border-radius: 5px;
    /* visibility:hidden; */
}

```

```

    color:#fff;
    padding-top:10px;
    text-align: center;
    background:#D24D57;
}

.loader{
    position:fixed;
    top:0px;
    left:0px;
    width: 100vw;
    height:100vh;
    background-color: #000;
    display: block;
    transition:.7s ease;
}

#author{
    height: 100vh;
}

.about{
    margin-top:50px;
    color:#333;
    background-color: #fff;
    padding:10px;
}

@media screen and (max-width:1366px){
    .about img{
        width:50%;
        padding:0px;
    }
}

@media screen and (max-width:1280px){

    #specificInfo .info ion-icon {
        font-size: 36px;
    }
    h4 {
        font-size: 1.1em!important;
    }
    #specificInfo .info .opis ion-icon {
        width:5px;
        height:5px;
    }
    specificInfo .info .opis {
        width: 100%;
    }
}

```



```

    }
    .opis{
        text-align: center;
    }
    main #icons .cardIco p {
        width: 250px;
    }
}
@media screen and (max-width:1024px){
    main #grad .basicInfo .textBasicInfo {
        font-size: 1em;
        font-weight: 600;
    }
    main #icons .ico {
        font-size: 58px;
    }

    #specificInfo .info {

        padding: 20px 0px;

    }

    .aa{
        padding-left:150px;
    }
    /* #mapa svg{

        height:500px;
        text-align: justify;
        float: left;
    } */
}
@media screen and (max-width:768px){
    .aa{
        padding-left:70px;
    }
    #specificInfo {
        /* margin-bottom: 100px; */
        margin:0px auto 100px auto;
    }
}
@media screen and (max-width:415px){
    #mapa{
        height:334px;
    }
    #mapa svg{

```

```

        height:400px;
        text-align: justify;
        float: left;
    }
    nav .openMenu {

        font-size: 2em;

    }
    header {

        height: 100vh;
    }
    #naslov article h1 {
        font-size: 3em;
    }
    #naslov article p {
        font-size: 1em;

    }
    #naslov article form {

        width: 85%;

    }
    #naslov article form input, .searchUrbanGradova #searchUrbanCity {

        width: 70%!important;
    }
    #naslov article form input:last-of-type, .searchUrbanGradova input:last-
of-type {

        width: 30%!important;
    }
    #naslov article form .ispisGradova, main .ispisUrbanGradova {
        width: 70%;

    }
    main #grad {
        margin: 70px auto;
    }
    h2 {
        font-size: 2.4em!important;
        width: 90%;
    }
    #naslov {
        margin: 100px auto;

    }

```

```

#map{
    width: 100%;
    height:100%;
}
main #icons {
    padding: 0px 0px;
    margin-bottom: 100px;

}
main #icons .ico {
    font-size: 42px;
}
#searchCity, #moreInfo, #specificInfo {
    margin-bottom: 50px;
}
.text h3 {
    padding-bottom: 40px;

    text-align: center;
}
.text .lista p {
    font-size: .95em;

}
#icons .row{
    margin-right: 0px!important;
}
.btn-lg {
    padding: .25rem .5rem!important;
    font-size: 1rem!important;

}
#naslov article form .ispisGradova, main .ispisUrbanGradova {

    top: 37px;
}
}

```

3.3 Javascript

3.3.1 main.js

```

window.onload=function(){
    try{

        animacija();
        loadMap('mapa');
        dynamicPrint();
        searchCity();
    }
}

```

```

        infoCity()
        SignUpForm();
        urbanArea();
        ispisInformacijaUrbanGradova();
        submitLogin();
        submitSignUp();

    }
    catch(err){
        console.log(err);
    }
}

// JQUERY LOADER PLUGIN
let animacija = () => {
    $('#myLoader').Loading({
        height: 16, // height
        width: 4, // width
        barColor: '#fcfcfc', // color
        barShadow: '0px 0px 0px #000', // shadow x, y, spread, color
        radius: 0, // radius
        spacing: 2, // space
        backgroundColor: '#000', // background color
        backgroundOpacity: .8, // opacity
        population: 22, // number of bars
        fadeLow: 0.05,
        fadeHigh: 1,
        newHeight: 20, // required height when using zoom, bubbleZoom, wave
        newWidth: 20, // required width when using zoom
        loader_type: 'wave', // type of animation being used
        duration: 300, // duration for animation a single bar
        delay: 72
    });
    setTimeout( () => {
        $('.loader').css('display','none');
    },2200);
}

// END OF JQUERY PLUGIN
let styleProveraPodatakaForma = (div) => {
    let provera = document.getElementsByClassName(div);

    for(let j=0;j<provera.length;j++){
        provera[j].addEventListener('click',function(e){
            e.preventDefault();
            provera[j].style.visibility='hidden';

        });
    }
}

```

```

}
let submitSignUp = () => {

  document.querySelector('#inputSignUp').addEventListener('click',function(e
){
    e.preventDefault();

    let name = document.querySelector('#inputFirstName').value;
    let lastName = document.querySelector('#inputLastName').value;
    let email = document.querySelector('#inputEmailSign').value;
    let password = document.querySelector('#inputPassSign').value;
    let error = document.getElementsByClassName('sign');

    let regName= /^[A-Z][a-z]{2,15}(\s[A-Z][a-z]{2,15})*/;
    let regEmail = /^((([^\<>()\\[\]\\. ,;: \s@"]+)(\.[^\<>()\\[\]\\. ,;: \s@"]+)*)|
("."+"))@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\)|((([a-zA-Z\d-0-
9]+\.[\.]|[a-zA-Z]{2,}))\.[0-9]{1,3}))$/;
    let regPassword = /^[^.{5,60}]/;
    let errors = [];

    if(!name.trim().match(regName)){
      if(name == ""){
        error[0].innerHTML = 'First Name field is mandatory';
        error[0].classList.add('provera');
      }
      else{
        error[0].innerHTML = 'First letter must be uppercase';
        error[0].classList.add('provera');
      }
      errors.push(1);
    }
    if(!lastName.trim().match(regName)){
      if(lastName == ""){
        error[1].innerHTML = 'Last Name field is mandatory';
        error[1].classList.add('provera');
      }
      else{
        error[1].innerHTML = 'First letter must be uppercase';
        error[1].classList.add('provera');
      }
      errors.push(2);
    }
    if(!email.match(regEmail)){
      if(email == ""){
        error[2].innerHTML = 'Email field is mandatory';
        error[2].classList.add('provera');
      }
      else{
        error[2].innerHTML = 'Email format : abc@gmail.com etc...';

```

```

        error[2].classList.add('provera');
    }
    errors.push(3);
}
if(!password.match(regPassword)){
    if(password == ""){
        error[3].innerHTML = 'Password field is mandatory';
        error[3].classList.add('provera');
    }
    else{
        error[3].innerHTML = 'Password must contain min 5 characters';
        error[3].classList.add('provera');
    }
    errors.push(4);
}

if(errors.length>0){

    styleProveraPodatakaForma('provera');
}
else{
    alert('sign up successful');
    document.querySelector('#inputFirstName').value = "";
    document.querySelector('#inputLastName').value = "";
    document.querySelector('#inputEmailSign').value = "";
    document.querySelector('#inputPassSign').value = "";

}

});
}
let submitLogin = () => {
    document.querySelector('#inputLogin').addEventListener('click',function(e)
    {

        e.preventDefault();

        let email = document.querySelector('#inputEmail').value;
        let password = document.querySelector('#inputPass').value;
        let error = document.getElementsByClassName('log');
        console.log(email,password);
        let regEmail = /^[^<>()\[\]\\\.\,;:\s@"]+(\.[^<>()\[\]\\\.\,;:\s@"]+)*|
        (".+")@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\)|((\[[a-zA-Z\-\0-
9]+\.\.)+[a-zA-Z]{2,}))$/;
        let regPassword = /^[^]{5,60}$/;
        let errors = [];
        if(!email.match(regEmail)){
            if(email == ""){
                error[0].innerHTML = 'Email field is mandatory';

```

```

        error[0].classList.add('provera');
    }
    else{
        error[0].innerHTML = 'Wrong email address';
        error[0].classList.add('provera');
    }
    errors.push(1);
}
if(!password.match(regPassword)){
    if(password == ""){
        error[1].innerHTML = 'Password field is mandatory';
        error[1].classList.add('provera');
    }
    else{
        error[1].innerHTML = 'Wrong password';
        error[1].classList.add('provera');
    }
    errors.push(2);
}

if(errors.length>0){
    styleProveraPodatakaForma('provera');
}
else{
    alert('login successful');
    document.querySelector('#inputEmail').value = "";
    document.querySelector('#inputPass').value = "";
}

});
}

let stilPrikazGradovalista = (sum,klasa) => {
    if(sum<1){
        $(klasa).css('visibility','hidden');
    }
    if(sum == 1){
        $(klasa).css('height','45px');
    }
    if(sum==2){
        $(klasa).css('height','90px');
    }
    if(sum > 2){
        $(klasa).css('height','130px');
    }
}

let klikNaGradLista = (klasa,elementVr,elementStil) => {

```

```

let myEl = $(klasa);

for(let i=0;i<myEl.length;i++){
  console.log(myEl[i]);
  $(myEl[i]).click(function(){
    console.log(myEl[i]);
    $(elementVr).val($(this).html());
    console.log($(this).data("id"))
    $(elementVr).data("id", $(this).data("id"));
    setTimeout(()=>{
      $(elementStil).css('visibility','hidden');
    },100);
  });
}

}

let klikIzvanGrad = (divEvent,divStyle) => {
  $(divEvent).blur(function(){
    $(divStyle).css('visibility','hidden');
  });
}

let print = (div,inner) => {
  return $(div).html(inner);
}

let ajax = (success,address) => {
  $.ajax({
    url:address,
    method:'get',
    dataType: 'json',
    success:success,
    error: xhr => {
      console.log(xhr);
    }
  });
}

let loadMap = (div) => {

  try{

    let mapa = new Datamap({
      scope:'world',
      element: document.getElementById(div),
      projection: 'orthographic',
      height:null,
      width:null,
      projectionConfig: {

```



```

        rotation: [0,-20]
      },
    ));

  }
  catch(err){
    console.log(err);
  }
}

let dynamicPrint = () => {

  let html = ``;

  let urbanIco = () => {

    html = `<div class="row text-center container mx-auto mt-5">`;
    let arr = [["airplane-
outline","You are going on a business trip. Find out more about where will yo
u spend some time"],["calculator-
outline","You are interested in how pricy are other places so you can prepare
well"],["calendar-
outline","You are planning a tourist trip and you want to prepare and inform y
ourself as much as possible"]];

    let printUrbanIco = (a,b) => {
      return html +=`
      <div class="col-lg-4 col-11 cardIco p-5 ">
        <ion-icon name="${a}" class="ico mx-auto pb-5"></ion-icon>
        <p>${b}</p>
      </div>`
    }

    arr.forEach(i => {
      printUrbanIco(i[0],i[1]);
    });

    html+=`</div>`;

    print('#icons',html);

  }
  let social = () => {

```

```

    html+=``;
    let arr = [{"#", "logo-linkedin"}, {"#", "logo-github"}, {"#", "logo-
instagram"}];

    let printSocial = (a,b) => {
        return html+=`<a href="${a}"><ion-icon name="${b}"></ion-
icon></a>`;
    }
    arr.forEach(i => {
        printSocial(i[0],i[1]);
    });

    print('.icons',html);

}
let nav = () => {

    html =`<div class="container">
    <ion-icon name="close-outline" class="escapeNav fs-1 float-
right"></ion-icon>`
    let arr = [{"index.html", "Home"}, {"author.html", "Author"}, {"documentat
ion.pdf", "Documentation"}];

    let printNav = (a,b) => {
        return html+=`<a class="nav-link outNav" aria-
current="page" href="${a}">${b}</a>`
    }
    arr.forEach(i => {
        printNav(i[0],i[1]);
    });
    html+=`</div>`;

    print('.openMenu',html);

    let navOpenLogic = () => {

        $(''.menuIco').click(function(e){
            e.preventDefault();
            $(''.openMenu').css('display', 'block');
        })

        $(''.escapeNav').click(function(e){
            e.preventDefault();
            $(''.openMenu').addClass('closeMenu');
            setTimeout(() => {
                $(''.openMenu').css('display', 'none');
                $(''.openMenu').removeClass('closeMenu');
            },300);
        });
    }
}

```

```

    }

    navOpenLogic();
  }
  try{
    urbanIco();
    social();
    nav();
  }
  catch(err){
    console.log(err);
  }
}

let searchCity = () => {

  let arrKlase = ['#search', '.ispisGradova', '.grad'];
  try{

    $(arrKlase[0]).keyup(function(){

      let vrednost = $(arrKlase[0]).val();
      $(arrKlase[1]).css('visibility', 'visible');

      ajax(
        data => {
          ispisListe(data);
        },
        `https://api.teleport.org/api/cities/?search=${vrednost}`
      )

      let ispisListe = (arg) => {

        let brEl = arg._embedded["city:search-results"].length;
        let html = '';

        for(let i=0; i<brEl; i++){

          let vrednost = arg._embedded["city:search-
results"][i].matching_full_name;
          var idGrad = arg._embedded["city:search-
results"][i]._links["city:item"].href.replace( /\^D+/g, '');
          html+=`<p class="grad" data-
id="${idGrad}">${vrednost}</p>`;
        }
      }
    }
  }
}

```

```

        print(arrKlase[1],html);

        stilPrikazGradovaLista(brEl,arrKlase[1]);

        klikNaGradLista('.grad',arrKlase[0],arrKlase[1]);
    }

    });
}
catch(err){
    console.log(err);
}

try{
    klikIzvanGrad(arrKlase[0],arrKlase[1]);
}
catch(err){
    console.log(err);
}
}

let infoCity = () => {

    try{

        $('#submit').click( (e) => {

            e.preventDefault();

            let vrednost = $('#search').data("id");
            let imeGrada = $('#search').val();

            if(imeGrada!=""){

                window.scrollTo({
                    top:850,
                    left:0,
                    behavior: 'smooth'
                });

            }
            else{
                alert('You didnt enter city name');
            }

            ajax(
                data => {
                    console.log(data);
                }
            );
        });
    }
    catch(err){
        console.log(err);
    }
}
}

```

```

        ispisGradInfo(data);
        ispisMape(data);
    },
    `https://api.teleport.org/api/cities/geonameid%3A${vrednost}`
)

let ispisMape = (arr) => {

    function okret(){

        let okret = 0;
        let cityLongitude = arr.location.latlon.longitude;

        if(cityLongitude<-50){
            okret = 80;
        }
        if(cityLongitude<0 && cityLongitude>-50){
            okret = 0;
        }

        if(cityLongitude>0 && cityLongitude<50){
            okret = 0;
        }
        if(cityLongitude>50){
            okret = -80;
        }
        return okret;
    }

    let mapa = new Datamap({
        scope: 'world',
        element: document.getElementById("mapa"),
        projection: 'orthographic',
        projectionConfig: {
            rotation: [okret(),-20]
        },

        fills: {
            defaultFill: '#ABDDA4',
            grad: '#333',
        }
    });

    mapa.bubbles([
        {
            name: '',
            radius: 7,
            country: 'grad',
            yeild: 0,

```

```

        fillKey: 'grad',
        latitude: arr.location.latlon.latitude,
        longitude: arr.location.latlon.longitude
    },
    ]);
}

let ispisGradInfo = (x) => {
    let html = `
        <div class="row">
        <div class="col-lg-6">
            <div class="col-10 mx-auto">
                <h2 class=""> ${x.full_name} </h2>
            </div>
            <div class="justify-content-center col-lg-6 mx-auto">
                <div class="col-lg-12 col-11 basicInfo mr-lg-5 mr-0">

                    <p class="mb-4 opis text-
left">- Basic info of searched city around the globe -</p>
                    <div class="textBasicInfo">

                        <p>Country : <span> ${x._links["city:country"
].name}</span></p>
                        <p>Division : <span> ${x._links["city:admin1_d
ivision"].name} </span></p>
                        <p>Timezone : <span> ${x._links["city:timezone
"].name}</span></p>
                        <div class="location">
                            <p>Latitude : <span>${x.location.latlon.la
titude} </span></p>
                            <p>Longitude : <span>${x.location.latlon.l
ongitude} </span></p>
                        </div>
                        <p>Population : <span> ${x.population}</span><
/p>
                    </div>
                </div>
            </div>

            <div class="col-lg-6 col-md-10 col-12 mx-auto mx-lg-0">
                <div id="mapa"></div>
            </div>
        </div>`;

    print('#grad',html);
}
});
}

```

```

    catch(err){
      console.log(err);
    }
  }

let SignUpForm = () => {

  let openSignForm = () => {

    $('#openSignUpForm').click(function(e){
      e.preventDefault();
      if(true){
        console.log('kliknuto');
        $('#createAccForm').css('display','block');
      }

    });

  }

  let escapeSignForm = () => {

    $('.escape').click(function(e){
      e.preventDefault();
      if(true){
        console.log('kliknuto');
        $('#createAccForm').addClass('closeForm');
        setTimeout(() => {
          $('#createAccForm').css('display','none');
          $('#createAccForm').removeClass('closeForm');
        },300);
      }
    });
  }

  try{
    openSignForm();
    escapeSignForm();
  }
  catch(err){
    console.log(err);
  }
}

let urbanArea = () => {

  try{

```

```

$('#searchUrbanCity').keyup(function(){

    let vrednost = $('#searchUrbanCity').val();
    $('#ispisUrbanGradova').css('visibility','visible');

    ajax(
        function (data) {
            ispisUrbanGradova(data);
        },
        `https://api.teleport.org/api/urban_areas/`
    );

    let ispisUrbanGradova = (x) => {

        let linkovi = x._links["ua:item"];
        let imenaGradova="`;

        linkovi.forEach(i => {
            imenaGradova +=i.name.toLowerCase() + " ";
        });

        arr = imenaGradova.split(" ");

        let searchValue = $('#searchUrbanCity').val().toLowerCase();

        let searchFilter = arr.filter(x=>x.indexOf(searchValue)!=-1);
        let ispis="`;

        searchFilter.forEach(i=>{

            ispis += `
```



```

    try{
      klikIzvanGrad('#searchUrbanCity', '.ispisUrbanGradova')
    }

    catch(err){
      console.log(err);
    }
  }

let ispisInformacijaUrbanGradova = () => {

  $('#submitUrban').click(function(e){

    e.preventDefault();
    let vrednost = $('#searchUrbanCity').data('id');

    let ispisSlika = () =>{
      ajax(
        function (data) {
          ispis(data);
        },
        `https://api.teleport.org/api/urban_areas/slug%3A${vrednost}/images/`
      );

      let ispis = (arr) =>{
        let html = ``;
        html = `![${vrednost}](${arr.photos[0].image.mobile})

```

```

        <div class="lista">
            <p>Continent : <span> ${arr.continent}</span></p>

        </div>`
        // <p>Mayor : <span> ${arr.mayor} </span></p>
        $('<div>').html(html);
        ispisDetails = () =>{
            ajax(
                function (data) {
                    ispisBasic(data);
                    ispisDetail(data);
                },
                `https://api.teleport.org/api/urban_areas/slug%3A${vrendnost}/details`
            )

            ispisBasic = (arr) => {

                let ispisHtml = ``;
                console.log(arr.categories[6].data.length - 1);

                let language;
                let educationUniversity = arr.categories[6].data.length - 2;
                let educationUniversityRank = arr.categories[6].data.length - 1;
                console.log(arr.categories[6].data[educationUniversity].string_value);
                if(arr.categories[11].data.length==1){
                    language = arr.categories[11].data[0].string_value
                }
                else{
                    language = arr.categories[11].data[2].string_value
                }
                ispisHtml+=`
                <p>Native Language : <span> ${language} </span></p>
                <p>Currency : <span> ${arr.categories[5].data[0].string_value} </span></p>
                <p>Population : <span> ${arr.categories[1].data[0].float_value} million</span></p>
                <p>GDP growth : <span> ${arr.categories[5].data[2].percent_value.toFixed(2)} %</span></p>
                <p>Best Univeristy : <span> ${arr.categories[6].data[educationUniversity].string_value} (rank: ${arr.categories[6].data[educationUniversityRank].int_value})</span></p>

```

```

        <p>Weather Type : <span> ${arr.categories[2].data[arr.
categories[2].data.length-1].string_value}</span></p>
        `;
        document.querySelector('.lista').innerHTML+=ispisHtml;
    }

    ispisDetail = (arr) => {
        console.log('proba');
        let ispisHTML = ``;
        let skrati = arr.categories;

        let icons = [
            ["cash-outline", skrati[0].id + ' (0-100)',
            [
                [
                    "Business Freedom",
                    skrati[0].data[0].float_value
                ],
                [
                    "Corruption Freedom",
                    skrati[0].data[2].float_value
                ],
                [
                    "Labor Freedom",
                    skrati[0].data[4].float_value
                ],
                [
                    "TTO Business",
                    skrati[0].data[6].float_value
                ]
            ]
        ],
        ["rainy-outline", skrati[2].id,
        [
            [
                "Weather Avg High",
                skrati[2].data[skrati[2].data.length -
4].string_value + "C"
            ],
            [
                "Weather Avg Low",
                skrati[2].data[skrati[2].data.length -
3].string_value + "C"
            ]
        ]
        ],
        ["alert-outline", skrati[15].id + ' (0-1)',
        [

```

```

(2)         [
              "Air Pollution",
              skrati[15].data[0].float_value.toFixed
(2)         ],
              [
              "Cleanliness",
              skrati[15].data[1].float_value.toFixed
(2)         ],
              [
              "Drinking Watter Quality",
              skrati[15].data[2].float_value.toFixed
(2)         ],
              [
              "Greenery",
              skrati[15].data[3].float_value.toFixed
              ]
            ],
            ["accessibility-outline", skrati[9].id,
            [
              [
              "Life Expectancy",
              skrati[9].data[1].float_value
              ],
              [
              "Median Age",
              skrati[9].data[2].float_value
              ]
            ]
            ]
        ];

        icons.forEach(i => {
            console.log(i[2]);
            let proba = i[2];
            proba.forEach(j => {
                console.log(j[0]);
            })

            ispisHTML += `
            <div class="info col-xl-3 col-md-6">
                <ion-icon name="${i[0]}" class="col-12 mx-
auto"></ion-icon>

                <div class="infoText">

```

```

        <h4 class="text-center my-4">${i[1]}</h4>
        <div class="opis mx-auto text-center">`

            i[2].forEach( j => {
                ispisHTML += `<div class="d-
flex aa"><ion-icon name="ellipse-outline" class="fs-6 mt-1 mr-3"></ion-
icon><p class="">${j[0]}: <span> ${j[1]}</span></p></div>`;
            });

            ispisHTML+=`
                </div>
            </div>
        </div>
    `;

    $(' .specificInfo').html(ispisHTML);

}

}

ispisDetails();

}
ispisScores = () =>{

    ajax(
        function (data) {

            console.log(data.categories);
            ispis(data.categories);
        },
        `https://api.teleport.org/api/urban_areas/slug%3A${vredno
st}/scores/`
    )

    let ispis = (arr) => {
        const max = '10';
        let html = `<div class="row">`;
        console.log(arr);

        arr.forEach(i => {
            html += `<div class="score col-xl-2 col-lg-3 col-md-
4 col-6 mx-auto mx-lg-0 text-center">
                <p class="mr-5">${i.name}</p>
                <progress class="progres mb-
4" value="${i.score_out_of_10}" max='${max}'>${i.score_out_of_10}</progress>

```

```

        </div>`

        console.log(i);

    });
    html+=`</div>`
    $('#scores').html(html);
    }
}

try{
    ispisSlika();
    ispisBasicUrbanInfo();
    ispisScores();
}
catch(err){
    console.log(err);
}
});
}

```

