VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

https://bobiz99.github.io/newdimension/

Web Programiranje 1

Slobodan Zafirovski 52/18

Smer: Internet tehnologije

Modul: Web programiranje

Predmet: Web programiranje 1

SADRŽAJ

Contents

1.Uvod

1.1 Korišćeni programski jezici

Za izradu sajta korišćeni su HTML, CSS/SASS, Javascript, jQuery, Bootstrap(css) i XML(sitemap).

Radno okruženje Visual Studio Code.

1.2 Opis funkcionalnosti

- Dinamičko menjanje slika u header-u u vidu slajdera
- Otvaranje eskpandirajućeg menija klikom na "sendvič" ikonicu
- Prikazivanje i sakrivanje dodatog sadržaja klikom na dugme "show more/show less"
- Dinamičko ispisivanje slika/galerije u vidu objekata
- Promena prikaza ljudi/radnika pritiskom na dugme "Architects/Designers"

- Dinamičko ispisivanje ljudi/radnika u vidu objekata
- Dinamički ispis dropdown liste
- Provera unetih podataka u formu prilikom pritiska na dugme submit/validacija forme
- Pritiskom na dugme slike autora otvara se modalbox odnosno plugin jQuery-ja
- Pritiskom na dugme tekst "Back to top" izvršiće se povratak na vrh stranice
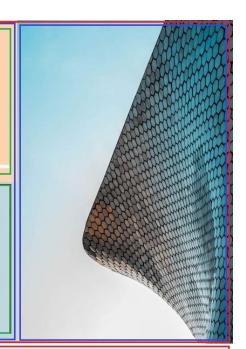- Responsive sajt uz pomoć media query-ja i bootstrap-a

1.3 Template

Za izradu sajta nije korišćen template.

Korišćen je samo jQuery plugin VanillaBox i Bootstrap za organizaciju sajta.

NEW DIMENSION OF ARHITECTURE

"Architecture is the learned game, correct and magnificent, of forms assembled in the light." - Le Corbusier

ABOUT NEW DIMENSION

we turn ideas into works of art

For each project we establish relationships with partners who we know will help us create added value for your project. As well as bringing together the public and private sectors, we make sector-overarching links to gather knowledge and to learn from each other. The way we undertake projects is based on permanently applying values that reinforce each other: socio-cultural value, experiental value, building-technical value and economical value.

Show more

our specialization

ARHITECTURE

INTERIORS

PLANING

OUR PROJECTS

ARCHITECTS AND DESINGERS

Architects   Designers

Robert Anderson

Emma Smith

Abigail Walker

Subscribe for Newsletter!

First Name   Last Name

E-mail   Confirm E-mail

Date Of Birth

Year ⌄   Month ⌄   Day ⌄

Gender

○ Male   ○ Female   ○ Other

Submit

AUTHOR

Hi, my name is Slobodan! I am 20 years old and I'm from Serbia! I am junior student of ICT College, studying IT technologies. I have knowledge in HTML5, CSS3, Bootstrap, Materialize. I really do like making web sites and I am interested in web development after all! I really like the web programming, especially to JavaScript and JQuery! In this website, I've used HTML5, CSS3, SASS, Bootstrap, JavaScript and JQuery.

Show more

2.Organizacija

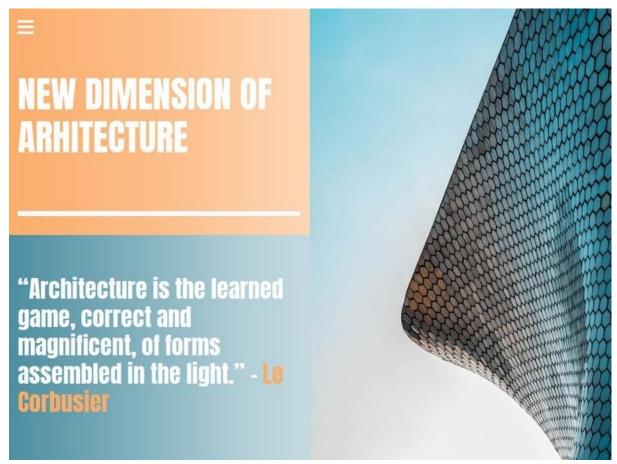## 2.1 Organizaciona šema

Sajt je rađen kao single/one page stranica.

2.2 Mapa sajta

```xml
<?xml version="1.0" encoding="UTF-8"?>
<urlset
      xmlns="http://www.sitemaps.org/schemas/sitemap/0.9"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://www.sitemaps.org/schemas/sitemap/0.9
            http://www.sitemaps.org/schemas/sitemap/0.9/sitemap.xsd">


   <url>

        <loc>https://bobiz99.github.io/newdimension/</loc>

        <lastmod>2019-12-06</lastmod>

        <priority>1.00</priority>

   </url>


</urlset>
```

2.3 Slike stranica i opis funkcionalnosti

Sajt je rađen kao single/one page stranica.

Sa desne strane se nalazi slider koji menja slike pomoću tajmera i niza slika iz kojeg čita putanje slika. Klikom na "sendvič" u gornjem levom uglu sajta otvara se eskpandirajući meni sa navigacionom listom sa linkovima na čiji klik stranica animacijom vodi do određenog dela sajta. Takođe u meniju se nalazi strelica koja služi za zatvaranje istog menija, takođe se i nakon klika na bilo koji od linka ekspandirajući meni se zatvara.

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Show more

our specialization

ARHITECTURE

INTERIORS

PLANING

Ovde se nalaze opšte informacije o temi sajta kao i čime se izmišljena firma bavi. Jedina funkcionalnost u ovom delu sajta jeste dugme

"Show more/show less" na čiji se klik otvara dodatni sadržaj uz pomoć jQuery koda.

Projekti ove firme u vidu galerije odnosno slika koje se ispisuju dinamički kroz javascript u vidu niza objekata.

ARCHITECTS AND DESINGERS

Architects   **Designers**

Robert Anderson

Emma Smith

Abigail Walker

Ovde se može videti prikaz arhitekti i dizajnera prilikom klika na jedno od dva dugmeta. Prilikom klika menja se aktivna boja dugmeta i prikaz arhitekti odnosno dizajnera. Ispis arhitekti i dizajnera vrši se dinamički kroz javascript takođe u vidu niza objekata.

Forma za prijavu newletter-a. Pritiskom na submit dugme vrši se
validacija svih unetih podataka. Ukoliko je podatak pogrešno unet ili
uopšte nije unet polja će se zacrveneti i vratiti poruku o lošoj
validaciji.

AUTHOR

Hi, my name is Slobodan! I am 20 years old and I'm from Serbia! I am junior student of ICT College, studying IT technologies. I have knowledge in HTML5, CSS3, Bootstrap, Materialize. I really do like making web sites and I am interested in web development after all! I really like the web programming, especially to JavaScript and JQuery! In this website, I've used HTML5, CSS3, SASS, Bootstrap, JavaScript and JQuery.

Show more

Deo sajta o autoru u kome se nalazi kratak opis o autoru ovog sajta. Klikom na sliku otvara se vanillabox, jquery plugin. Takođe se klikom na dugme "Show more/Show less" otvara odnosno zatvara dodatni sadržaj o autoru.

U footeru se nalaze linkovi do društvenih mreža kao i do sitemap-a i dokumentacije. Takođe tu je i dugme odnosno tekst koji Vas vraća na vrh stranice.

3 Kodovi

3.1 HTML

```html
<!DOCTYPE html>
<html lang="en">
<head>
<title>New Dimension</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<meta name="description" content="New dimension! Build your enviroment!" />
<meta name="keywords" content="ARHITECTURE, Architects, New dimension, dimension, new, Designers, projects, architecture, work, works" />
<meta name="author" content="Slobodan Zafirovski"/>
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.0/css/bootstrap.min.css" integrity="sha384-SI27wrMjH3ZZ89r4o+fGIJtnzkAnFs3E4qz9DIYioCQ5l9Rd/7UAa8DHcaL8jkWt" crossorigin="anonymous">
<link rel="stylesheet" href="assets/css/styles.css">
<link rel="stylesheet" href="assets/css/mediaquerymin.css">
<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.2/css/all.css" integrity="sha384-oS3vJWv+0UjzBfQzYUhtDYW+Pj2yciDJxpsK1OYPAYjqT085Qq/1cq5FLXAZQ7Ay" crossorigin="anonymous">
<link rel="shortcut icon" href="assets/images/icon.ico">
<script src="assets/js/jquery-3.4.1.min.js" type="text/javascript"></script>
<script src="assets/js/jquery.vanillabox.js" type="text/javascript"></script>
</head>
<body>
<!--HEADER-->
<div class="container-fluid fill p-0 m-0 d-lg-flex flex-lg-row flex-md-column" id="pocetna">
<!--LEVI BLOK-->
<div class="container-fluid d-flex flex-column  p-0 m-0">
<!--EKSPANDIRAJUCI MENI-->
<div class="menu--off" id="menu">
<i class="fas fa-arrow-left" id="leftArrow"></i>
```

```html
<div class="container d-flex justify-content-center mt-5" id="nav">
<ul>
<li><a href="#">Home</a></li>
<li><a href="#content1">About Us</a></li>
<li><a href="#galerija">Projects</a></li>
<li><a href="#radnici">Crew</a></li>
<li><a href="#modalBoxForm">Newsletter</a></li>
<li><a href="#author">Author</a></li>
</ul>
</div>
</div>
<!--GORNJI LEVI BLOK-->
<div class="row orangeBgColor p-3 h-50" id="gornjiLeviBlok">
<div class="container text-white d-flex flex-column justify-content-between">
<i class="fas fa-bars" id="bars"></i>
<h1 class="display-1">NEW DIMENSION OF <br> ARHITECTURE</h1>
<hr class="p-1 bg-light">
</div>
</div>
<!--DONJI LEVI BLOK-->
<div class="row blueBgColor p-3 h-50" id="donjiLeviBlok">
<div class="container d-flex align-items-center text-white">
<h1>"Architecture is the learned game, correct and magnificent, of forms assem
bled in the light."  – <span class="orangeTextColor">Le Corbusier</span></h1>
</div>
</div>
</div>
<!--DESNI BLOK-->
<!--SLIDER-->
<div class="container-fluid p-0 m-0 h-md-100" id="slider">
<!--SLIDER IZ JS-A-->
</div>
</div>
<!--content1-->
<div class="container-fluid" id="content1">

<div class="row d-flex justify-content-center">
<div class="col-12 text-center p-5">
<h2 class="display-lg-2 display-3 display-sm-4 p-
5"><span class="blueTextColor">ABOUT</span><span class="orangeTextColor"> NEW
DIMENSION</span></h2>
</div>
</div>
<div class="row mt-5 p-5" id="aboutBlok">
<div class="col-1"></div>
<div class="col-12 col-lg-4 text-left">
<h3 class="blueTextColor display-4">we turn ideas into works of art</h3>
<hr class="visinaZaHr orangeBgColor">
```

```html
<p class="lightGrayText text-
left">For each project we establish relationships with partners who we know wi
ll help us create added value for your project. As well as bringing together t
he public and private sectors, we make sector-
overarching links to gather knowledge and to learn from each other. The way we
 undertake projects is based on permanently applying values that reinforce eac
h other: socio-cultural value, experiental value, building-
technical value and economical value.</p>
<p id="showMoreTextAbout" class="lightGrayText">We believe that architecture s
hould be integral with its place and that the best buildings allow people to f
ully experience the light and nature of that place.  Our chief pursuit is a ti
meless expression of architecture that is appropriate to its users and their p
urpose, that blends progressive technology with elemental form. </p>
<input type="button" class="btn-info mb-
5" id="btnPrikaziVise" value="Show more">
</div>
<div class="col-lg-2"></div>
<div class="col-12 col-lg-4 text-left" id="specializationBlok">
<h3 class="blueTextColor display-4">our specialization</h3>
<hr class="visinaZaHr orangeBgColor">
<i class="far fa-building blueTextColor mt-5 mb-2"></i>
<p class="mb-5">ARHITECTURE</p>
<i class="fas fa-home blueTextColor mb-2"></i>
<p class="mb-5">INTERIORS</p>
<i class="fas fa-ruler-combined blueTextColor mb-2"></i>
<p class="mb-5">PLANING</p>
</div>
<div class="col-1"></div>
</div>
<div class="row d-flex justify-content-center mt-5">
<div class="col-12 text-center p-5">
<h2 class="display-lg-2 display-3 display-sm-4 p-
5"><span class="blueTextColor">OUR</span><span class="orangeTextColor"> PROJEC
TS</span></h2>
</div>
</div>
</div>
<!--CONTENT2 GALERIJA-->
<div class="container-fluid" id="galerija">
<div class="row" id="mestoZaIspisSlika">
<!--DINAMICKI ISPIS SLIKA-->
</div>
</div>

<!--RADNICI-->
<div class="container-fluid" id="radnici">
<div class="row d-flex justify-content-center mt-5">
<div class="col-12 text-center p-5">
```

```html
<h2 class="display-lg-2 display-3 display-sm-4 p-
5"><span class="orangeTextColor">ARCHITECTS</span><span class="blueTextColor">
 AND</span><span class="orangeTextColor"> DESINGERS</span></h2>
</div>
</div>
<div class="row mb-5">
<div class="col-12 d-flex justify-content-center">
<input type="button" class="btn btn-primary border-
0" value="Architects" id="btnArchitects">
<input type="button" class="btn btn-primary border-0 ml-
5" value="Designers" id="btnDesigners">
</div>
</div>
<div class="row mb-5 pb-4" id="blockArchitects">
<!--DINAMICKI ISPIS ARHITEKTI-->
</div>
<div class="row mb-5 pb-4" id="blockDesigners">
<!--DINAMICKI ISPIS DIZAJNERA-->
</div>
</div>
<!--FORMA-->
<div class="container-fluid" id="modalBoxForm">
<div class="container d-flex justify-content-center flex-column">
<h2 class="text-center mb-5 display-4 text-white mt-
5" id="subscribeNaslov">Subscribe for Newsletter!</h2>
<!--FORMA-->
<form action="#" class="d-flex align-items-center flex-column">
<!--FirstName-->
<div class="formElements d-flex flex-lg-row flex-column">
<div class="d-flex flex-column">
<input type="text" name="firstName" id="firstName" placeholder="First Name">
<p class="textUpozorenje" id="firstNameError"></p>
</div>
<!--LastName-->
<div class="d-flex flex-column">
<input type="text" class="ml-lg-
4" name="lastName" id="lastName" placeholder="Last Name">
<p class="textUpozorenje ml-lg-4" id="lastNameError"></p>
</div>
</div>
<!--Email-->
<div class="formElements d-flex flex-lg-row flex-column">
<div class="d-flex flex-column">
<input type="email" name="email" id="email" placeholder="E-mail">
<p class="textUpozorenje" id="emailError"></p>
</div>
<!--EmailConfirm-->
<div class="d-flex flex-column">
```

```html
<input type="text" class="ml-lg-4 w-md-
100" name="emailConfirm" id="emailConfirm" placeholder="Confirm E-mail">
<p class="textUpozorenje ml-lg-4" id="emailConfirmError"></p>
</div>
</div>
<!--DDL GODINE-->
<div id="ddlNaslov" class="mb-1 mt-4">
<h1 class="text-white mb-5">Date Of Birth</h1>
</div>
<div id="ddlDatum" class="d-flex flex-lg-row flex-column mb-lg-4">
<div id="ddlYear" class="mb-5 mb-lg-0">
<!--dinamicko ispisivanje-->
</div>
<span class="hideError " id="godineError">*</span>
<div id="ddlMonth" class="ml-lg-5 ml-0 mb-5 mb-lg-0">
<!--dinamicko ispisivanje-->
</div>
<span class="hideError" id="meseciError">*</span>
<div id="ddlDay" class="ml-lg-5 ml-0">
<!--dinamicko ispisivanje-->
</div>
<span class="hideError" id="daniError">*</span>
</div>
<h1 class="text-white mt-5">Gender</h1>
<div id="rbPolovi" class="m-5 text-white d-flex flex-lg-row">
<input type="radio" name="Pol" id="polMuski" value="Male"><label for="muskiPol
" class="ml-3">Male</label>
<input type="radio" name="Pol" id="polZenski" value="Female" class="ml-
5"><label for="zenskiPol" class="ml-3">Female</label>
<input type="radio" name="Pol" id="polMuski" value="Other" class="ml-
5"><label for="drugo" class="ml-3">Other</label>
</div>
<p class="textUpozorenje ml-4" id="radioButtonError"></p>
<button type="button" class="btn btn-outline-secondary mt-5 mb-
5" id="submitForme">Submit</i></button>
</form>
</div>
</div>
<!--AUTOR-->
<div class="container-fluid orangeBgColor" id="author">
<div class="row d-flex justify-content-center">
<div class="col-12 text-center p-5">
<h2 class="display-lg-2 display-3 display-sm-4 p-5 text-light">AUTHOR</h2>
</div>
</div>
<div class="row mb-5">
<div class="col-12 d-flex justify-content-center vanillaBoxSlika">
```

```html
<a href="assets/images/mojaFotka.jpg"><img src="assets/images/mojaFotka.jpg" alt="Autor Slika" class="img-fluid"></a>
</div>
</div>
<div class="row p-5">
<div class="col-12">
<p class="text-center text-light mb-5">
Hi, my name is Slobodan!
I am 20 years old and I'm from Serbia! I am junior student of ICT College, studying IT technologies. I have knowledge in HTML5, CSS3, Bootstrap, Materialize.
I really do like making web sites and I am interested in web development after all! I really like the web programming, especially to JavaScript and JQuery!
In this website, I've used HTML5, CSS3, SASS, Bootstrap, JavaScript and JQuery.
</p>
<div id="showMoreAuthor">
<div class="row text-center">
<div class="col-12">
<p class="text-center text-light mb-5">My hobies are photography and sport! You can check my portfolio about photography below!</p>
<div class="text-center">
<a href="facebook.com"><i class="fab fa-facebook-square mr-5"></i></a>
<a href="instagram.com"><i class="fab fa-instagram ml-5"></i></a>
</div>
</div>
</div>
</div>
<div class="row d-flex justify-content-center mt-5">
<input type="button" class="btn-info mb-5" id="btnPrikaziViseAutor" value="Show more">
</div>
</div>
</div>
</div>
<footer>
<div class="container-fluid p-5">
<div class="row">
<div class="col-lg-4 col-12 mb-5 mb-lg-0 text-center">
<a href="https://www.instagram.com/zafirovski.photo/"><i class="fab fa-instagram"></i></a>
<a href="https://www.facebook.com/slobodan.zafirovski.7"><i class="fab fa-facebook-square ml-5"></i></a>
<a href="sitemap.xml"><i class="fas fa-sitemap ml-5"></i></a>
<a href="documentation.xml"><i class="fas fa-file-alt ml-5"></i></a>
</div>
<div class="col-lg-4 col-12 mb-5 mb-lg-0 text-center">
```

```html
<h2 class="blueTextColor"><i class="far fa-
copyright blueTextColor"></i>   New Dimension</h2>
</div>
<div class="col-lg-4 col-12 text-center">
<a href="#pocetna" id="backToTop">Back to top</a>
</div>
</div>
</div>
</footer>
<!--SCRIPT-->


<script src="assets/js/main.js" type="text/javascript"></script>
</body>

</html>
```

3.2 SASS

```scss
*{
    margin: 0;
    padding: 0;
}
@import url('https://fonts.googleapis.com/css?family=Anton&display=swap');

$mainfont: 'Anton', sans-serif;
html {
    scroll-behavior: smooth;
 }
body{
    font-family: $mainfont;
}

a{
    text-decoration: none;
}
.border{
    border:2px rgba(251,173,107,1)!important;
}

.fill {
    min-height: 100vh !important;
    //height: 100vh !important;
    width: 100% !important;
}

#slider{
```

```css
    background-image: url(../images/sliderSlika1Edit.jpg);
    background-repeat: no-repeat;
    background-position: center;
    background-size: cover;
    transition: 1s;
    #modalBoxContact{
        position: absolute;
        right: 20px;
        top: 20px;
        width: 4%;
        height: 8%;
        background-color: rgba(255, 255, 255, 0.9);
        border-radius: 50%;
        i{
            &:hover{
                text-shadow: 0px 0px 10px rgba(251,173,107,1);
            }
        }

    }
}

.visinaZaHr{
    height: 5px;
}

.lightGrayText{
    color:  #A9A9A9;
}
.orangeBgColor{
    background: linear-
gradient(90deg, rgba(251,173,107,1) 0%, rgba(252,189,136,1) 50%, rgba(253,216,
185,1) 100%, rgba(254,234,217,1) 100%, rgba(255,255,255,1) 100%);
}
.orangeTextColor{
    color: rgba(251,173,107,1)
}

.blueBgColor{
    background: linear-
gradient(90deg, rgba(73,140,159,1) 0%, rgba(140,183,195,1) 50%, rgba(178,207,2
15,1) 76%, rgba(199,220,226,1) 100%, rgba(216,231,235,1) 100%, rgba(255,255,25
5,1) 100%);
}
.blueTextColor{
    color: rgba(73,140,159,1);
}
```

```css
i{
    font-size: 2vw;
    cursor: pointer;
    width: 4%;
    transition: 0.4s;
    &:hover{
        text-shadow: 0px 0px 6px black;
    }
}
.menu--off {
    position: absolute;
    z-index: 2;
    width: 100%;
    display: none;
    background-color: rgba(255, 255, 255, 0.9);
    height: auto;
    box-shadow: 8px 8px 20px 0 rgba(0, 0, 0, 0.2);
    transition: all 500ms;
    i{
        &:hover{
            text-shadow: 0px 0px 10px rgba(251,173,107,1);
        }
    }
    #leftArrow{
        position: absolute;
        z-index: 2;
        right: 0;
        margin-right: 2vw;
        margin-top: 1vw;
    }
    #nav{
        ul{
            list-style-type: none;
            li{
                text-align: center;
                margin-bottom: 20%;
                a{
                    color:rgba(251,173,107,1) ;
                    text-decoration: none;
                    font-size: 3vw;
                    transition: all 500ms;
                    &:hover{
                        color: rgba(73,140,159,1);
                    }
                }
            }
        }
    }
```

```scss
    }

  /*.menu--on {
    width: 100%;
    box-shadow: 8px 8px 20px 0 rgba(0, 0, 0, 0.2);
    transition: all 500ms;
  }*/

#modalBoxForm{
    background: linear-
gradient(160deg, rgba(73,140,159,1) 0%, rgba(140,183,195,1) 50%, rgba(178,207,
215,1) 76%, rgba(199,220,226,1) 100%, rgba(216,231,235,1) 100%, rgba(255,255,2
55,1) 100%);
        i{
            color: white;
            &:hover{
                color: rgba(251,173,107,1);
            }
        }
}

  //FORMA

  form{
    .formElements{
        margin-top: 10px;
        margin-bottom: 10px;
    }
    .textUpozorenje{
        text-align: left;
        color: red;
    }
    input[type="text"],input[type="email"]{
        background: transparent;
        border-bottom: 3px solid white;
        font-size: 1.3vw;
        margin-bottom: 5%;
        padding: 3%;
        color: white;
        border-top-width: 0px;
        border-left-width: 0px;
        border-right-width: 0px;
    }
    ::placeholder{
        color: white;
        opacity: 0.5;
    }
    input[type="text"]:focus{
```

```css
    outline: none;
    border-bottom: 3px solid rgba(251,173,107,1);
    transition: 0.5s;
}
input[type="email"]:focus{
    outline: none;
    border-bottom: 3px solid rgba(251,173,107,1);
    transition: 0.5s;
}
select {
    -webkit-appearance: none;
    -moz-appearance: none;
    appearance: none;
    font-size: 1.3vw;
    width: 150px;
    background: transparent;
    color: white;
    border: 3px solid #fff;
    padding: 3%;
    background-image: url('../images/arrowdownedit.png');
    background-repeat: no-repeat;
    background-position:98% center;
    cursor: pointer;
}
select:focus{
    outline: none;
    border: 3px solid rgba(251,173,107,1);
    transition: 0.5s;
    option{
        background-color:rgba(73,140,159,1);
    }
}
input[type="radio"]{
    width: 20px;
    height: 20px;
}
label{
    font-size: 1.1vw;
}
.btn-outline-secondary {
    color: white !important;
    border:4px solid white !important;
    font-size: 1.3vw;
    border-radius: 0 !important;
    &:hover{
        background-color: rgba(251,173,107,1);
    }
}
```

```css
    .borderUpozorenje{
        border-bottom: 3px solid red;
    }
    .hideError{
        display: none;;
    }
    .showError{
        display: block;
        color: red;
        margin-left: 5px;
        font-size: 1vw;
    }

}


.stop-scrolling {
    height: 100%;
    overflow: hidden;
}

#aboutBlok{
    p{
        font-size: 1.1vw;
    }
    #btnPrikaziVise{
        font-size: 1vw;
        padding: 10px;
        width: 140px;
    }

    #specializationBlok{
        p{
            font-size: 1.5vw;
        }
        i{
            font-size: 2.5vw;
            &:hover{
                text-shadow: 0px 0px 0px black;
            }
        }
    }
}

#blockDesigners{
    display: none;
    transition: all 500ms;
}
```

```css
#btnArchitects{
    background-color:rgba(251,173,107,1);
}
#btnDesigners{
    background-color:rgba(73,140,159,1);
}

#blockArchitects{
    transition: all 500ms;
}
#author{
    p{
        font-size: 1.5vw;
    }
    input[type="button"]{
        font-size: 1.5vw;
        width: 200px;
    }
    #showMoreAuthor{
        a{
            color: rgba(73,140,159,1);
            i{
                font-size: 3vw;
            }
        }
    }
}

footer{
    a{
        color: rgba(73,140,159,1);
        &:hover{
            color: rgba(251,173,107,1);
            text-decoration: none;
        }
    }
    i{
        &:hover{
            text-shadow: 0px 0px 0px black;
        }
    }
    #backToTop{
        font-size: 2vw;
    }
}


vanilla box style
.vnbx * {
```

```css
    box-sizing: content-box;
    -moz-box-sizing: content-box;
}

.vnbx-mask {
    left: 0;
    overflow: auto;
    position: absolute;
    top: 0;
    z-index: 999;
}

.vnbx-frame {
    position: absolute;
}

.vnbx-button {
    -webkit-tap-highlight-color: transparent;
    -webkit-touch-callout: none;
    -webkit-user-select: none;
}

.vnbx-prev,
.vnbx-next {
    visibility: hidden;
}

.vnbx-group .vnbx-prev,
.vnbx-group .vnbx-next {
    visibility: visible;
}

.vnbx-pager {
    visibility: hidden;
}

.vnbx-group .vnbx-pager {
    visibility: visible;
}

.vnbx-container {
    overflow: hidden;
    position: relative;
}

.vnbx-content {
    display: block;
    left: 50%;
```

```css
position: absolute;
top: 50%;
}

.vnbx-content > img {
vertical-align: middle;
}

.vnbx-content > iframe {
border-width: 0;
vertical-align: middle;
}

.vnbx-ios .vnbx-content {
overflow: auto;
-webkit-overflow-scrolling: touch;
}

.vnbx-ios .vnbx-content > iframe {
display: block;
height: 100%;
width: 100%;
}

.vnbx-empty {
height: 150px;
width: 200px;
}

.vnbx-loading,
.vnbx-error {
height: 150px;
width: 200px;
}

.vnbx-loading > img,
.vnbx-loading > iframe,
.vnbx-error > img,
.vnbx-error > iframe {
display: none;
height: 150px;
width: 200px;
}

.vnbx-mask {
background-color: rgba(245, 245, 245, 0.8);
}
```

```css
    .vnbx-frame {
    background-color: rgba(221, 221, 221, 0.9);
    border: rgba(213, 213, 213, 0.9) solid 1px;
    border-radius: 5px;
    padding: 38px 6px 6px;
    }

    .vnbx-button {
    position: absolute;
    }

    .vnbx-button.vnbx-disabled {
    display: none;
    }

    .vnbx-close {
    background-image: url("img/close0.png");
    background-position: center center;
    background-repeat: no-repeat;
    background-size: 32px;
    height: 26px;
    right: 6px;
    top: 6px;
    width: 26px;
    }
```

3.3 MediaQuery

```css
@media (max-width: 1600px){

    .menu--off #leftArrow{
        font-size: 3vw;
        right: 10px;
    }
    #gornjiLeviBlok #bars{
        font-size: 3vw;
    }
}

@media (max-width: 1400px){

    footer i{
        font-size: 3vw;
    }
```

```css
    #gornjiLeviBlok h1{
        font-size: 5vw;
    }
}

@media (max-width: 1250px){
    #menu #nav ul li a{
        font-size: 4vw;
    }
    input[type="text"],input[type="email"]{
        width: 250px;
    }
    form input[type="text"]::placeholder{
        font-size: 2.5vw;
    }
    form input[type="email"]::placeholder{
        font-size: 2.5vw;
    }

    form select{
        width: 160px;
        font-size: 2vw;
    }
    form input[type="radio"]{
        width: 25px;
        height: 25px;
    }
    form label{
        font-size: 2.5vw;
    }
    form .btn-outline-secondary{
        font-size: 2vw;
    }

    #aboutBlok #specializationBlok i{
        font-size: 4vw;
    }
    #aboutBlok #specializationBlok p{
        font-size: 3.5vw;
    }

    #aboutBlok p{
        font-size: 2vw;
    }

    #aboutBlok #btnPrikaziVise{
        font-size: 2vw;
    }
```

```css
    #author p{
        font-size: 2.5vw;
    }
    #author #showMoreAuthor a i{
        font-size: 5vw;
    }
}

@media (max-width: 1100px){
    .menu--off #leftArrow{
        font-size: 3vw;
        right: 10px;
    }
    #gornjiLeviBlok h1{
        font-size: 6vw;
    }

    #author p{
        font-size: 3vw;
    }
    #author input[type="button"]{
        font-size: 3vw;
    }
}

@media (max-width: 991px){
    #menu #nav ul li a{
        font-size: 6vw;
    }
    #slider{
        height: 700px;
    }

    #gornjiLeviBlok{
        padding: 0;
        margin: 0!important;
        height: 500px !important;
    }
    #gornjiLeviBlok h1{
        font-size: 8vw;
    }
    #donjiLeviBlok{
        padding: 0;
        margin: 0!important;
        height: 500px !important;
    }
    form select{
        width: 180px;
```

```css
            font-size: 2.3vw;
        }
        form .btn-outline-secondary{
            font-size: 3vw;
        }


        .menu--off #leftArrow{
            font-size: 6vw;
            right: 10px;
        }


        #gornjiLeviBlok #bars{
            font-size: 4vw;
        }
        footer i{
            font-size: 4.5vw;
        }
        footer #backToTop{
            font-size: 3.5vw;
        }
}
@media (max-width: 767.98px) {
        footer #backToTop{
            font-size: 4vw;
        }
        form select{
            width: 250px;
            font-size: 3vw;
        }
        form label{
            font-size: 3vw;
        }

        input[type="text"],input[type="email"]{
            width: 330px;
          }
        form input[type="text"]::placeholder{
            font-size: 3.3vw;
        }
        form input[type="email"]::placeholder{
            font-size: 3.3vw;
        }
        #aboutBlok #specializationBlok i{
            font-size: 10vw;
        }
        #aboutBlok #specializationBlok p{
            font-size: 4.5vw;
        }
```

```css
    #aboutBlok p{
        font-size: 3vw;
    }

    #aboutBlok #btnPrikaziVise{
        font-size: 3vw;
    }
    #gornjiLeviBlok h1{
        font-size: 11vw;
    }
    #gornjiLeviBlok #bars{
        font-size: 6vw;
    }
    #author p{
        font-size: 4.5vw;
    }
    #author input[type="button"]{
        font-size: 4vw;
    }
    #author #showMoreAuthor a i{
        font-size: 7vw;
    }
    footer i{
        font-size: 5.5vw;
    }
}

@media (max-width: 575.98px) {
    .menu--off #leftArrow{
        font-size: 8vw;
        right: 20px;
    }
    form select{
        font-size: 4vw;
    }
    .fill{
        width: 100%;
        height: 100%;
    }

    form input[type="text"]::placeholder{
        font-size: 5vw;
    }
    form input[type="email"]::placeholder{
        font-size: 5vw;
    }
    form label{
```

```css
        font-size: 5vw;
    }


    form input[type="text"],input[type="email"]{
        width: 250px;
        height: 45px;
        font-size: 5vw;
     }
    form .btn-outline-secondary{
        font-size: 5vw;
    }
    #content1 h2{
        font-size: 14vw;
    }
    #aboutBlok #specializationBlok i{
        font-size: 8.5vw;
    }
    #aboutBlok #specializationBlok p{
        font-size: 7vw;
    }


    #aboutBlok p{
        font-size: 3.5vw;
    }


    #aboutBlok #btnPrikaziVise{
        font-size: 3.5vw;
    }
    #gornjiLeviBlok #bars{
        font-size: 7vw;
    }
    #radnici h2{
        font-size: 10vw;
    }
    #author input[type="button"]{
        font-size: 5vw;
    }
    #author #showMoreAuthor a i{
        font-size: 9vw;
    }
    footer i{
        font-size: 6.5vw;
    }
    footer #backToTop{
        font-size: 4.5vw;
    }
}
```

```css
@media (max-width: 445.98px){

    #aboutBlok p{
        font-size: 4vw;
    }


    #aboutBlok #btnPrikaziVise{
        font-size: 4vw;
    }
    #content1 #aboutBlok h3{
        font-size: 10vw;
    }
    #gornjiLeviBlok h1{
        font-size: 14vw;
    }
    #gornjiLeviBlok #bars{
        font-size: 8vw;
    }
    #author p{
        font-size: 5.5vw;
    }
    footer i{
        font-size: 7.5vw;
    }
    .menu--off #leftArrow{
        font-size: 10vw;
        right: 20px;
    }
}

@media (max-width: 375.98px){
    #menu #nav ul li a{
        font-size: 8vw;
    }
    form input[type="text"]::placeholder{
        font-size: 6vw;
    }
    form input[type="email"]::placeholder{
        font-size: 6vw;
    }

    form select{
        font-size: 6vw;
    }

    form input[type="text"],input[type="email"]{
        width: 230px;
        height: 45px;
```

```css
        font-size: 6vw;
    }

    #aboutBlok #specializationBlok i{
        font-size: 15vw;
    }
    #aboutBlok #specializationBlok p{
        font-size: 9vw;
    }
    #aboutBlok p{
        font-size:6.5vw ;
    }
    #aboutBlok #btnPrikaziVise{
        font-size: 6vw;
    }
    #content1 #aboutBlok h3{
        font-size: 12vw;
    }
    #gornjiLeviBlok h1{
        font-size: 16vw;
    }
    #gornjiLeviBlok #bars{
        font-size: 9vw;
    }
    #author input[type="button"]{
        font-size: 6vw;
    }
    footer i{
        font-size: 8.5vw;
    }
    footer #backToTop{
        font-size: 5.5vw;
    }
}
```

3.4 JavaScript i jQuery

```javascript
window.onload = function(){
    imageSlider();
    document.getElementById("btnArchitects").addEventListener("click",showArch
itects);
    document.getElementById("btnDesigners").addEventListener("click",showDesig
ners);

    //ISPIS DATUMA

    //Ispis Godina
var nizGodina = [];
```

```javascript
for(let i=2019;i>1929;i--){
    nizGodina.push(i);
}

var godineIspis = "<select id='godina'>";
godineIspis += "<option>Year</option>";
for (let i in nizGodina) {
    godineIspis += "<option>"+nizGodina[i]+"</option>";
}
godineIspis += "</select>";
document.getElementById("ddlYear").innerHTML = godineIspis;

    //Ispis meseci
var nizMeseca = [];
for(let i = 12; i>0;i--){
    nizMeseca.push(i);
}

var meseciIspis = "<select id='mesec'>";
meseciIspis += "<option>Month</option>";
for (let i in nizMeseca) {
    meseciIspis += "<option>"+nizMeseca[i]+"</option>";
}
meseciIspis += "</select>";
document.getElementById("ddlMonth").innerHTML = meseciIspis;

    //Ispis dana
 var nizDana = [];
for(let i = 31; i>0;i--){
    nizDana.push(i);
}
var daniIspis = "<select id='dan'>";
daniIspis += "<option>Day</option>";
    for (let i in nizDana) {
        daniIspis += "<option>"+nizDana[i]+"</option>";
    }
    daniIspis += "</select>";
    document.getElementById("ddlDay").innerHTML = daniIspis;

    //ISPIS SLIKA
var nizSlikaZaGaleriju=[
    {
        putanjaSlike: "assets/images/project1Edit.jpg",
        altSlike: "Project1"
    },
    {
        putanjaSlike: "assets/images/project2Edit.jpg",
        altSlike: "Project2"
```

```
        },
        {
            putanjaSlike: "assets/images/project3Edit.jpg",
            altSlike: "Project3"
        },
        {
            putanjaSlike: "assets/images/project4Edit.jpg",
            altSlike: "Project4"
        }
];

var ispisSlika = "";
var divGalerije = document.getElementById("mestoZaIspisSlika");
nizSlikaZaGaleriju.forEach(function(slika){
    ispisSlika += `<div class="col-lg-3 col-md-6 pl-0 pr-0">
    <img src="${slika.putanjaSlike}" class="img-
fluid" alt="${slika.altSlike}">
</div>`
});
divGalerije.innerHTML = ispisSlika;


//ISPIS ARHITEKTI
var nizArhitekti = [
        {
            putanjaArhitektaSlika: "assets/images/worker1Edit.jpg",
            altArhitektaSlika: "worker1",
            imeArhitekta: "Robert Anderson"
        },
        {
            putanjaArhitektaSlika: "assets/images/worker2Edit.jpg",
            altArhitektaSlika: "worker2",
            imeArhitekta: "Emma Smith"
        },
        {
            putanjaArhitektaSlika: "assets/images/worker3Edit.jpg",
            altArhitektaSlika: "worker3",
            imeArhitekta: "Abigail Walker"
        }
];

var ispisArhitekti = "";
var divZaArhitekte = document.getElementById("blockArchitects");
nizArhitekti.forEach(function(arhi){
    ispisArhitekti +=`<div class="col-lg-4 col-md-12 d-flex justify-content-
center mb-5">
    <div class="card w-75">
            <img src="${arhi.putanjaArhitektaSlika}" class="card-img-
top" alt="${arhi.altArhitektaSlika}">
```

```html
            <div class="card-body">
                <h5 class="card-title orangeTextColor">${arhi.imeArhitekta}</h5>
            </div>
        </div>
</div>`
});
divZaArhitekte.innerHTML = ispisArhitekti;

//ISPIS DIZAJNERA

var nizDizajnera = [
    {
        putanjaDizajnerSlika: "assets/images/worker4Edit.jpg",
        altDizajnerSlika: "worker1",
        imeDizajner: "Mia Henderson"
    },
    {
        putanjaDizajnerSlika: "assets/images/worker5Edit.jpg",
        altDizajnerSlika: "worker2",
        imeDizajner: "John Evans"
    },
    {
        putanjaDizajnerSlika: "assets/images/worker6Edit.jpg",
        altDizajnerSlika: "worker3",
        imeDizajner: "Tammy Abraham"
    }
];

var ispisDizajnera = "";
var divZaDizajnere = document.getElementById("blockDesigners");
nizDizajnera.forEach(function(diz){
    ispisDizajnera +=`<div class="col-lg-4 col-md-12 d-flex justify-content-
center mb-5">
    <div class="card w-75">
            <img src="${diz.putanjaDizajnerSlika}" class="card-img-
top" alt="${diz.altDizajnerSlika}">
        <div class="card-body">
            <h5 class="card-title orangeTextColor">${diz.imeDizajner}</h5>
        </div>
    </div>
</div>`
});
divZaDizajnere.innerHTML = ispisDizajnera;
}

//JQUERY
$(document).ready(function(){
    $("#bars").click(function(){
```

```
                $(".menu--off").css('display', 'block');
        })
        $("#leftArrow").click(function(){
                $(".menu--off").css('display', 'none');
        })
        $("#nav li").click(function(){
                $(".menu--off").css('display', 'none');
        })

        //dodavanje boje texta na p tagove u about-u
        $("#specializationBlok p").addClass("orangeTextColor");

        //button Prikazi vise za about
        $('#showMoreTextAbout').css("display", "none");
        $('#btnPrikaziVise').click(function (e) {
                e.preventDefault();
                if ($('#showMoreTextAbout').is(':visible')) {
                        $('#showMoreTextAbout').slideUp();
                        $(this).val('Show More');
                } else {
                        $('#showMoreTextAbout').slideDown();
                        $(this).val('Show Less');
                }
        });



        //button Prikazi vise za autora
        $('#showMoreAuthor').css("display", "none");
        $('#btnPrikaziViseAutor').click(function (e) {
                e.preventDefault();
                if ($('#showMoreAuthor').is(':visible')) {
                        $('#showMoreAuthor').slideUp();
                        $(this).val('Show More');
                } else {
                        $('#showMoreAuthor').slideDown();
                        $(this).val('Show Less');
                }
        });
        //vanillabox za slike
        $(".vanillaBoxSlika a").vanillabox();
})

//SLIDER
var i = 0;
var nizSlika = ["sliderSlika1Edit", "sliderSlika2Edit", "sliderSlika3Edit"];

function imageSlider(){
```

```javascript
    document.getElementById("slider").style.backgroundImage = "url('D:/ICT/Saj
tWebProg1/assets/images/"+nizSlika[i]+".jpg')";

    if(i < nizSlika.length-1){
        i++;
    }
    else{
        i=0;
    }

    setTimeout("imageSlider()", 2500);
}


//REGULARNI IZRAZI

document.getElementById("submitForme").addEventListener("click",function(){
    //dohvatanje vrednosti iz forme
    var ime =   document.getElementById("firstName").value.trim();
    var prezime = document.getElementById("lastName").value.trim();
    var email = document.getElementById("email").value.trim();
    var confirmEmail = document.getElementById("emailConfirm").value.trim();
    var godine = document.getElementById("godina").value;
    var meseci = document.getElementById("mesec").value;
    var dani = document.getElementById("dan").value;
    var pol = document.getElementsByName("Pol");

    //dohvatanje divova za erore
    var imeGreska = document.getElementById("firstNameError");
    var prezimeGreska = document.getElementById("lastNameError");
    var emailGreska = document.getElementById("emailError");
    var confirmEmailGreska = document.getElementById("emailConfirmError");
    var godineGreska = document.getElementById("godineError");
    var meseciGreska = document.getElementById("meseciError");
    var daniGreska = document.getElementById("daniError");
    var polGreska = document.getElementById("radioButtonError");

    //regex

    var regexIme = /^[A-Z][a-z]{2,15}$/;
    var regexPrezime = /^[A-Z][a-z]{2,15}$/;
    var regexEmail = /^[a-z]+[\.\-\_\!a-z\d]*\@[a-z]{2,10}(\.[a-
z]{2,3}){1,2}$/;
    var regexConfirmEmail = /^[a-z]+[\.\-\_\!a-z\d]*\@[a-z]{2,10}(\.[a-
z]{2,3}){1,2}$/;

    //PROVERA
    //ime
    if(ime==""){
```

```javascript
        imeGreska.innerHTML = "This field is required!";
        document.getElementById("firstName").style.borderBottom = "3px solid r
ed";
    }
    else if(!regexIme.test(ime)){
        imeGreska.innerHTML = "Enter valid name!";
        document.getElementById("firstName").style.borderBottom = "3px solid r
ed";
    }else{
        imeGreska.innerHTML = "";
        document.getElementById("firstName").style.borderBottom = "3px solid g
reen";
    }

    //prezime
    if(prezime==""){
        prezimeGreska.innerHTML = "This field is required!";
        document.getElementById("lastName").style.borderBottom = "3px solid re
d";
    }
    else if(!regexPrezime.test(prezime)){
        prezimeGreska.innerHTML = "Enter valid lastname!";
        document.getElementById("lastName").style.borderBottom = "3px solid re
d";
    }else{
        prezimeGreska.innerHTML = "";
        document.getElementById("lastName").style.borderBottom = "3px solid gr
een";
    }

    //email
    if(email==""){
        emailGreska.innerHTML = "This field is required!";
        document.getElementById("email").style.borderBottom = "3px solid red";
    }
    else if(!regexEmail.test(email)){
        emailGreska.innerHTML = "Enter valid e-mail!";
        document.getElementById("email").style.borderBottom = "3px solid red";
    }else{
        emailGreska.innerHTML = "";
        document.getElementById("email").style.borderBottom = "3px solid green
";
    }

    //confirmEmail
    if(confirmEmail==""){
        confirmEmailGreska.innerHTML = "This field is required!";
```

```javascript
        document.getElementById("emailConfirm").style.borderBottom = "3px soli
d red";
    }
    else if(email!=confirmEmail){
        confirmEmailGreska.innerHTML = "Please confirm with correct e-mail!";
        document.getElementById("emailConfirm").style.borderBottom = "3px soli
d red";
    }
    else{
        confirmEmailGreska.innerHTML = "";
        document.getElementById("emailConfirm").style.borderBottom = "3px soli
d green";
    }

    //godine
    if(godine == "Year") {
        godineGreska.classList.add("showError");
    } else {
        godineGreska.classList.remove("showError");
        console.log("Izabrana godina");
    }
    //meseci
    if(meseci == "Month") {
        meseciGreska.classList.add("showError");
    } else {
        meseciGreska.classList.remove("showError");
        console.log("Izabran mesec");
    }

    //dani
    if(dani == "Day") {
        daniGreska.classList.add("showError");
    } else {
        daniGreska.classList.remove("showError");
        console.log("Izabran dan");
    }

    //POL
    let isValidPol = false;

    for(let i=0; i< pol.length; i++){
        if(pol[i].checked){
            isValidPol = true;
            break;
        }
    }

    if(!isValidPol){
```

```javascript
            polGreska.innerHTML = "Please choose gender!";
    }
    else {
            polGreska.innerHTML = "";
            console.log("Izabran pol");
    }

})

function showArchitects(){
    document.getElementById("blockArchitects").style.display="flex";
    document.getElementById("blockDesigners").style.display="none";
    document.getElementById("btnArchitects").style.backgroundColor="rgba(251,1
73,107,1)";
    document.getElementById("btnDesigners").style.backgroundColor="rgba(73,140
,159,1)";
}

function showDesigners(){
    document.getElementById("blockArchitects").style.display="none";
    document.getElementById("blockDesigners").style.display="flex";
    document.getElementById("btnArchitects").style.backgroundColor="rgba(73,14
0,159,1)";
    document.getElementById("btnDesigners").style.backgroundColor="rgba(251,17
3,107,1)";
}
```