

Visoka škola strukovnih studija za informacione i komunikacione  
tehnologije

# Dokumentacija

<https://lavic33.github.io/bgdtour/>

Predmet: Web programiranje 1

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126/18

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# 1. UVOD

## 1.1 Korišćeniprogramski jezici I okruženja

- HTML5
- CSS3
- JavaScript
- JQuery
- Visual StudioCode

## 1.2 Opis funkcionalnosti

- Dinamicko učitavanje stavki menija iz niza
- Dinamicko učitavanje elemenata diva ".tura" iz vise nizova
- Dinamicko popunjavanje select taga za nazive tura na osnovu niza
- Prelaskom misa preko slike se pojavljuje bordura i pojacava boja slike da bi korisnik imao bolji osecaj gde se nalazi
- Dinamicki se racuna popust iz niza popusta i upisuje nova cena ture
- Proverara se unos podataka u formi(npr.datum mora biti posle sadasnjeg)
- Nakon unosa imena ture i broja osoba korisniku se dinamicki racuna i ispisuje cena za date parametre
- Back to Top dugme se pojavljuje kada se krene scroll na dole i nestaje kada je korisnik na pocetnom delu.Klikom se vraca na vrh
- Preslakom na manju rezoluciju pojavljuje se "hambruger " meni

## 1.3 Template

Nije koriscen template.

# Organizacija

## 1.4) Organizaciona šema

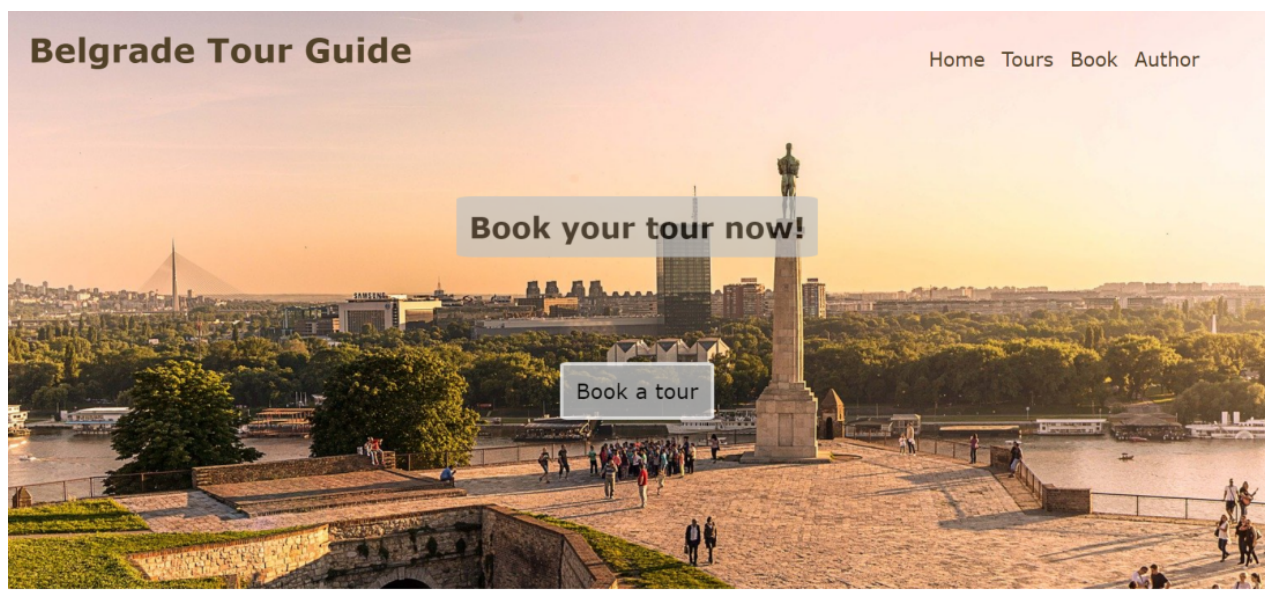
Index.html

### Mapa sajta

```
sitemap.xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
3      <url>
4          <loc>https://lavic33.github.io/bgdtour/index.html</loc>
5          <lastmod>2019-12-6</lastmod>
6          <changefreq>weekly</changefreq>
7          <priority>1</priority>
8      </url>
9  </urlset>
```

## 1.5)Slike stranica i opisi funkcionalnosti

Print screenovi stranica sajta:



### 1.5.1)index.html-Home

Ovde se nalazi pocetni ekran sa dinamicki ispisanim menijem i dugmetom za spustanje na div sa turama.

Klikom na bilo koju stavku iz menija automatski se skroluje do sadrzaja na koji ukazuje

-Klikom na dugme "Book a tour" automatski se skroluje do diva sa prikazanim turama

## 1.5.2)index.html-Tours

Kalemegdan	Skadarlija	NightLife
		
Trajanje ture: 1h	Trajanje ture: 2.5h	Trajanje ture: 3h
10€	20€	25€
9 €	13.4 €	12.5 €
<a href="#">Read more</a>	<a href="#">Read less</a>	<a href="#">Read more</a>
<a href="#">Book</a>	<p>Skadarlija is a vintage street, an urban neighborhood and former municipality of Belgrade, the capital of Serbia.</p> <a href="#">Book</a>	<a href="#">Book</a>

Ovde se nalazi dinamički ispisane ture koje su u ponudi.

Osobine tura su smestne u različite nizove i jedna tura ima isti indeks u svakom nizu.

-Klikom na "read more" dugme prikazuje se kratak opis ture i tekst se pretvara u "read less", ponovnim klikom se vraća u prvobitno stanje

-Klikom na taster "book" u formu se, u select tagu za ture upisuje ime destinacije za koju je kliknut taster

## 1.5.3)index.html-Book

Kalemegdan	12/03/2019	2	Lav	0602222222	18 €	Send
------------	------------	---	-----	------------	------	------

Ovde se nalazi forma za rezervisanje ture, proverava se da li su svi podaci uneti i da li su ispravni regularni izrazima i proverama. Nakon popunjenog polje ime ture i broj osoba automatski se upisuje izracunata cena u polje cena.

## Author



Lav Bjelogrić-Nikolov

126/18 Web programiranje

I am Lav, and I am interested in backend and desktop development.

### 1.5.4)index.html-Author

Jednostavan dio u autoru sajta.

© Copyright by Lav Bjelogrić

[Documentation](#) [Author](#) [Sitemap](#)



### 1.5.5)index.html-Footer

Footer sa copyright znakom, linkom ka portfoliju autora (Ime), dokumentaciji divu autoru i mapi sajta.

## 2. Kodovi

### 2.1)HTML

#### 2.1.1)index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <meta name="description" content="Belgrade tour makes fun,professional,interesting tours
around Belgrade"/>
  <meta name="keywords" content="Tour,Belgrade,Usce,Nightlife
Belgrade,Beograd,tur,obilizak"/>
  <meta name="author" content="Lav Bjelogrić-Nikolov"/>
  <title>Belgrade Tourist Tour</title>
  <link rel="stylesheet" href="css/main.css"/>
  <link rel="shortcut icon" href="img/ikonica.ico"/>
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.1/css/all.css"
integrity="sha384-
50oBUHEmvpQ+1IW4y57PTFmhCaXp0ML5d60M1M7uH2+nqUivzIebhndOJK28anvf"
crossorigin="anonymous">
</head>
<body>
  <div id="backToTop">
    <button class="toTop stylebtn"><i class="fas fa-angle-up"></i></button>
  </div>
  <div id="hero">
    <div class="wraper">
      <div id="logo">
        <a href="index.html"> <h1>Belgrade Tour Guide</h1></a>

      </div>
      <div id="meni">
        <a href="#" id="respmeni"><i class="fas fa-bars burger"></i></a>
        <div id="mobileMeni">
          <ul id="meniResp">

          </ul>
        </div>
        <ul id="pcmeni">

        </ul>
      </div>
    </div>
  </div>
```



```

</div>
</div>
<div id="promotxt">
  <h1 class="naslov">Book your tour now!</h1>
  <br/>
  <a id="bookNow" href="#">Book a tour</a>
</div>
</div>
<div id="ture">

```

```

</div>
<div id="forma" class="stylebtn">
  <form action="#" method="GET">

    <div id="prvired">
      <select id="odaberiTuru">

        </select>

        <input type="date" name="datum" id="datum"/>

        <select id="noPeople">
          <option value="0">
            How many people
          </option>
          <option value="1">
            1
          </option>
          <option value="2">
            2
          </option>
          <option value="3">
            3
          </option>
          <option value="4">
            4
          </option>
          <option value="5">
            5
          </option>

        </select>
      </div>
      <div id="drugired">
        <input type="text" id="ime" placeholder="Your name"/>

        <input type="text" id="broj" placeholder="Contact number"/>

        <input type="text" readonly id="cena" placeholder="Estimated price"/>

        <button id="posalji">Send</button>

```

```

        </div>
    </form>
</div>
<div id="autor">
    <h3 class="marginaA">Author</h3>
    
    <p class="marginaA">Lav Bjelogrljic-Nikolov </p>
    <p class="marginaA">126/18 Web programiranje</p>
    <p class="marginaA">I am Lav,and I am intrested in backend and desktop
development.</p>
</div>
<footer>
    <h4>&copy Copyright by <a href="https://lavic33.github.io/LavBjelogrljic/"
target="blank">Lav Bjelogrljic</a></h4>
    <div id="icons">
        <a href="documentation.pdf" target="blank">Documentation</a>
        <a href="#autor" target="blank">Author</a>
        <a href="sitemap.xml" target="blank">Sitemap</a>

    </div>
</footer>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script src="js/main.js"></script>
</body>
</html>

```

## 2.2)CSS

### 2.2.1)main.css

```

html {
    font-family: Verdana, Geneva, Tahoma, sans-serif;

    overflow-x: hidden; }
*{
    margin: 0px;
    padding: 0px;
}
a{
    text-decoration:none;

}
#respmeni{
    display: none;
}
.naslov{
    background-color: #c2c2c2;
    padding: 1%;

```

```

    opacity: 70%;
    border-radius: 5%;
}
.naslovTure{
    font-size: 27px;
}

.stylebtn{
    box-shadow:inset 0px 1px 0px 0px #a6827e;
    background:linear-gradient(to bottom, #7d5d3b 5%, #634b30 100%);
    background-color:#7d5d3b;
    border-radius:3px;
    border:1px solid #54381e;
    display:inline-block;
    cursor:pointer;
    color:#ffffff;
    font-family:Arial;
    font-size:13px;
    padding:4px 10px;
    text-decoration:none;
    text-shadow:0px 1px 0px #4d3534;
}
#backToTop{
    position: fixed;
    bottom:20px;
    right:10px;
    z-index: 99;
}
#backToTop i{
    font-size:45px;
}
.wrapper{
    display: flex;
    justify-content: space-between;
    flex-wrap: wrap;
    margin-bottom: 8%;
}
#hero{
    width:100%;
    height: 700px;
    background-image:url("../img/hero.jpg");
}
.margina{
    margin: 1.5% 0;
}
#logo{
    font-size:20px;
    width:35%;
    padding: 2%;
}
#logo a{

```

```

    color: #514128;
}
#meni{
    margin-right: 5%;
}

#meni ul{
    list-style-type:none;
    margin-top:15%;
}
#meni ul li{
    display:inline;

}

.toTop{
    border:3px solid white !important;
}

#meni ul li a{
    padding:10px;
    font-size:23px;
    color:#514128;
}
#promotxt{
    width:100%;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    flex-wrap: wrap;
}
#promotxt h1{

    font-size: 35px;
}
#promotxt a{
    padding: 1%;
    margin-top:7%;
    color:#000;
    background-color: #c2c2c2;
    border: 4px solid #fff;
    opacity: 80%;
    font-size: 25px;
    border-radius: 5%;
}

#ture{
    width:100%;

```

```

    display: flex;
    justify-content: space-around;
    flex-wrap: wrap;
}
.tura{
    margin: 10% 2%;
    height: 200px;
    width:25%;
    display: flex;
    flex-direction: column;
    align-items: center;
}
.tura p{
    font-size: 18px;
}
#ture img{
    width:100%;
    opacity: 0.75;
    height: 100%;
}
.opis{
    text-align: center;
}

#forma{
    width: 100%;
    padding: 2%;
    display: flex;
    margin: 10% 0 5% 0;

}
input{
    margin: 0 0.8%;
    padding: 0.5% 1%;
    font-size:15px;
    color:#7d5d3b;
    border-radius: 3%;
    width:25%;
}
select{
    padding: 0.6% 1%;
    font-size:15px;
    color:#7d5d3b;
    border-radius: 3%;
    width:33%;
}
form{
    width:100%;
    display: flex;
    align-items: center;
    justify-content: center;
    flex-wrap: nowrap;
}

```

```

#posalji{
  padding: 0.5% 1%;
  border-radius: 3%;
}
.greska{
  border:2px solid red;
}

#autor{
  width:100%;
  display: flex;
  flex-direction: column;
  justify-content: space-around;
  align-items: center;
  text-align: center;
}
#autor img{
  width:300px;
}

footer{
  display: flex;
  background-color:#7d5d3b;
  width: 100%;
  color:#fff;
  justify-content: center;
  flex-wrap: wrap;
  margin-top:5%;
  padding: 3% 0;
}
footer h4{
  font-size: 20px;
  width:100%;
  text-align: center;
  padding-bottom: 1%;
}
h3{
  font-size: 40px;
}
.marginaA{
  margin:0.5% 0 ;
}
.staraCena{
  text-decoration: line-through;
}
footer a{
  color:#fff;
  font-size: 20px;
}
.responsive {
  width: 100%;
  height: auto;
}

```

```

}

.burger{
  font-size: 50px;
  margin-right: 50px;
  color:#634b30;

}
#mobileMeni{
  display: none;

  padding: 10%;
}
#meniResp{
  padding: 10%;
  display: flex;
  align-items: center;
  justify-content: space-around;
  flex-direction: column;
}
#meniResp li {
  margin-bottom: 10px;
}
#icons{
  width: 100%;
  text-align: center;
}
#icons a{
  padding-right: 2%;
}
@media only screen and (max-width: 981px){
  #respmeni{
    display: block;
  }
  #pcmeni{
    display: none;
  }
  #logo h1{
    font-size:25px;
    text-align: center;
  }

  .tura{
    width: 40%;
    padding-bottom: 15%;;
  }
  #prvired{
    width: 50%;
    display: flex;
    justify-content: center;
  }
  #drugired{
    width: 50%;
  }
}

```

```

@media only screen and (max-width: 1300px){
  #prvired{
    width: 100%;
    display: flex;
    flex-wrap: wrap;
    margin-bottom: 5%;
  }
  #drugired{
    width: 100%;
  }
  form{
    flex-wrap: wrap;
    justify-content: center;
  }
}

```

```

@media only screen and (max-width: 981px){

```

```

  .tura{
    width:40%;

```

```

  }
}

```

```

@media only screen and (max-width: 944px){

```

```

  .tura{
    width:40%;
    padding-bottom: 20%;
  }
}

```

```

@media only screen and (max-width: 753px){

```

```

  .tura{
    width:50%;
    padding-bottom: 20%;
  }
}

```

```

@media only screen and (max-width: 688px){

```

```

  #promotxt h1{
    font-size: 25px;

```

```

  }

```

```

  #promotxt a{
    font-size: 20px;

```

```

  }

```

```

  .tura{
    width:50%;

```



```

padding-bottom: 25%;
}
}
@media only screen and (max-width: 618px){
#posalji{
width:50%;

}
#drugired{
display: flex;
flex-wrap: wrap;
justify-content: center;
}
input{
width:90%;
margin: 2% 0%;
}
select{
width:90%;
margin: 2% 0%;
}
#backToTop i{
font-size:35px;
}
.tura{
width:50%;
padding-bottom: 35%;
}
}
}
@media only screen and (max-width: 525px){

footer h4{
font-size: 15px;
}
footer a{
font-size: 15px;
}

.tura{
width:50%;
padding-bottom: 45%;
}
}
}
@media only screen and (max-width: 472px){

.tura{
width:50%;
padding-bottom: 55%;
}
}
}

@media only screen and (max-width: 425px){

```

```
.tura{
  width:50%;
  padding-bottom: 65%;
}
}
```

## 2.3)Javascript/Jquery

### 2.3.1)main.js

```
window.onload = function(){
  document.querySelector(".toTop").addEventListener("click",backToTop);
  document.querySelector("#posalji").addEventListener("click",provera);
  document.querySelector("#ime").addEventListener("blur",provera);
  document.querySelector("#broj").addEventListener("change",provera);
  document.querySelector("#noPeople").addEventListener("blur",provera);

};
```

```
var ukupnaCenaTure=0;
var simbolValute="&#8364;";
```

```
function provera(e){
  e.preventDefault();
  let izabranolme=document.querySelector("#ime").value;
  let izabranBroj=document.querySelector("#broj").value;
  var regName,regNumber;

  regName= /^[A-ZŠĐČĆŽ]([a-zšđžććs]{2,12})*$/;

  //Radi vezbe uslov je stavljen samo za pozivne brojeve u nasoj zemlji
  regNumber= /^06[0-9]{7,8}$/;

  if(regName.test(izabranolme)){
    uspesnaProvera=true;
    document.querySelector("#ime").classList.remove("greska");
  }
  else{
    document.querySelector("#ime").classList.add("greska");
  }

  if(regNumber.test(izabranBroj)){
    uspesnaProvera=true;
    document.querySelector("#broj").classList.remove("greska");
  }
}
```

```

else{
    document.querySelector("#broj").classList.add("greska");
}

var izborMesto=document.querySelector("#odaberiTuru").value;
if(izborMesto!="-1"){
    uspesnaProvera=true;
    document.querySelector("#odaberiTuru").classList.remove("greska");
}
else{
    document.querySelector("#odaberiTuru").classList.add("greska");
}

var izborLjudi=document.querySelector("#noPeople").value;
if(izborLjudi!="0"){
    uspesnaProvera=true;
    document.querySelector("#noPeople").classList.remove("greska");

    ukupnaCenaTure+=turaCena[izborMesto]*izborLjudi;

    document.getElementById("cena").value=`${ukupnaCenaTure} \u20AC`
    ukupnaCenaTure=0;

}
else{
    document.querySelector("#noPeople").classList.add("greska");
}

var datum=document.querySelector("#datum").value;
var trenutniDatum=new Date();
var trenutniDan=trenutniDatum.getDate();
var trenutniMesec=trenutniDatum.getMonth();
var trenutnaGodina=trenutniDatum.getFullYear();
console.log(datum);

var deodatuma=datum.split("-");

if((deodatuma[0]<trenutnaGodina) || (deodatuma[1]<trenutniMesec) ||
(deodatuma[2]<trenutniDan)){
    document.querySelector("#noPeople").classList.add("greska");
}
else{
    uspesnaProvera=true;
    document.querySelector("#noPeople").classList.remove("greska");
}

```

```
}
```

```
//Ispis menija
```

```
var stavkeMenija=["Home","Tours","Book","Author"];
```

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

```
    document.querySelector("#pcmeni").innerHTML+=`<li><a href="#"`  
id="${stavkeMenija[i]}">${stavkeMenija[i]}</a></li>`;
```

```
    document.querySelector("#meniResp").innerHTML+=`<li><a href="#"`  
id="${stavkeMenija[i]}resp">${stavkeMenija[i]}</a></li>`;  
}
```

```
//Ispis tura
```

```
var turalme=["Kalemegdan","Skadarlija","NightLife","Usce","Slavija","Terazije","Savski  
Kej","Knez Mihajlova","Hram Svetog Save"];
```

```
var turaTrajanje=[1,2.5,3,1,0.5,1,2,3,4];
```

```
var turaCena=[10,20,25,5,6,4,7,15,50];
```

```
var turaPopust=[10,33,50,40,50,20,15,30,50];
```

```
var turaOpis=["Kalemegdan is the largest park and the most important historical monument in  
Belgrade.";
```

```
"Skadarlija is a vintage street, an urban neighborhood and former municipality of Belgrade, the  
capital of Serbia.";
```

```
"Belgrade is city that never sleeps,explore restaurants and popular clubs",
```

```
"Usce means confluence,its large beautifull park by the two rivers Sava and Danube",
```

```
" The square was previously named Dimitrije Tucović Square after the prominent Serbian  
socialist.";
```

```
"Terazije is the central town square and the surrounding neighborhood of Belgrade, the capital of  
Serbia.";
```

```
"Savski kej is beautifull landscape by the river Sava in part of city-New Belgrade",
```

```
"Knez Mihailova Street is the main pedestrian and shopping zone in Belgrade",
```

```
"The Church of Saint Sava is a Serbian Orthodox church located on the Vračar plateau in  
Belgrade, Serbia."];
```

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

```

var ture=document.querySelector("#ture");
var opisi=document.querySelectorAll(".opis");
var staraCena=turaCena[i];
var imaPopust=false;
if(turaPopust[i]!=0){
    turaCena[i]=turaCena[i]-(turaCena[i]*turaPopust[i]/100);
    imaPopust=true;
}

```

```

ture.innerHTML+=`<div id="${turalme[i]}" class="tura">
<h2 class="naslovTure margina">${turalme[i]}</h2>

<p class="margina">Trajanje ture: ${turaTrajanje[i]}h</p>
<p class="staraCena">${staraCena}&#8364;</p>
<p class="cena margina">${turaCena[i]} &#8364;</p>
<button class="readmore stylebtn margina">Read more</button>
<p class="opis margina">${turaOpis[i]}</p>
<button class="book stylebtn margina " >Book</button>
</div>`;
}

```

```

//Ispis forme
let selectTura=document.querySelector("#odaberiTuru");
selectTura.innerHTML+="

```

```

    selectTura.innerHTML+=`
    <option value="${i}">${turalme[i]}</option>
    `;
}

```

```

$(document).ready(function(){
    //Back to Top button
    $(window).scroll(function(){
        if($(this).scrollTop()>80){
            $(".toTop").fadeIn();
        }
        else{
            $(".toTop").fadeOut();
        }
    });

    $("#respmeni").click(function(e){
        e.preventDefault;

```

```

$("#mobileMeni").slideToggle("slow",function(){
    });
});

$(".toTop").hide();
$(".opis").hide();

$(".readmore").click(function(){
    var moreLess=$(this).next().is(":visible") ? "Read more" : "Read less";
    $(this).text(moreLess);
    $(this).next(".opis").fadeToggle(1000,function(){
        });
    });

$("#bookNow").click(function(e){
    e.preventDefault();
    $("html,body").animate({
        scrollTop: $("#ture").offset().top,
        1200);
    });

$("#Tours").click(function(e){
    e.preventDefault();
    $("html,body").animate({
        scrollTop:$("#ture").offset().top
    },1200);
    });
$("#Toursresp").click(function(e){
    e.preventDefault();
    $("html,body").animate({
        scrollTop:$("#ture").offset().top
    },1200);
    });

$("#Book").click(function(e){
    e.preventDefault();
    $("html,body").animate({
        scrollTop:$("#forma").offset().top
    },1200);
    });
$("#Bookresp").click(function(e){
    e.preventDefault();
    $("html,body").animate({
        scrollTop:$("#forma").offset().top
    },1200);
    });

$("#Author").click(function(e){
    e.preventDefault();
    $("html,body").animate({

```

```

        scrollTop:$("#autor").offset().top
    },1200);
})
$("#Authorresp").click(function(e){
    e.preventDefault();
    $("html,body").animate({
        scrollTop:$("#autor").offset().top
    },1200);
});

```

```

var ime="";
//klikom na book upisuje se data tura u dropdown listu
$(".book").click(function(){
    var ime=$(this).parent().find("h2").text();
    for(let i=0;i<turalme.length;i++){
        if(ime == turalme[i]){

            $("#odaberiTuru").val(i);
        }
    }
    $("html,body").animate({
        scrollTop:$("#forma").offset().top
    },1200);
});

```

```

$(".toTop").click(function(){

    $("html,body").animate({scrollTop:0},1000);
});

```

```

$(".animacijaDveSlike").hover(function(){
    $(this).find("img:eq(1)").stop(true,true).fadeIn();

},function(){
    $(this).find("img:eq(1)").fadeOut();
}
);

```

//Image animaton

```

$(".Slika").hover(function(){
    $(this).css({"border":"3px solid #7d5d3b","opacity":"1"});
},function(){

```

```
$(this).css({"border":"none","opacity":"0.75"});  
});
```

```
});
```