Visoka škola strukovnih studija za informacione tehnologije

Star Wars

https://starwars-fanpage.herokuapp.com/

Smer: Internet tehnologije

Modul: Web programiranje

Predmet: Web programiranje

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Sadržaj 2

Uvod

1.1. Korišćeni programski jezici

Za izradu sajta korišćeni su sledeći programski jezici i tehnologije:

- HTML 5
- CSS 3
- JavaScript
- jQuery
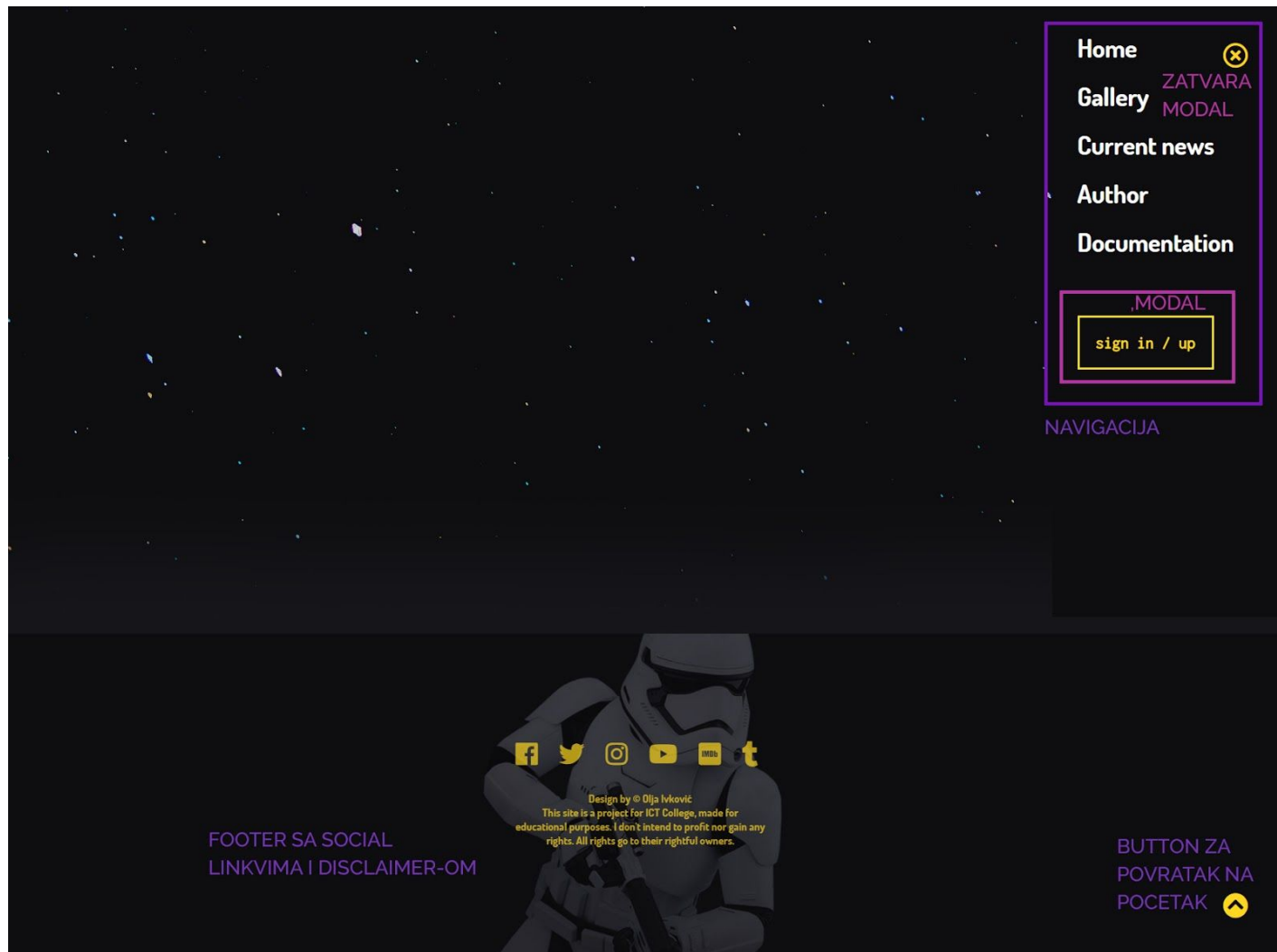- JSON
- Ajax
- XAMPP
- Heroku
- Git
- Atom

*Zbog Heroku web host-a sve stranice umesto .html ekstenzije imaju ekstenziju .php.

1.2. Opis funkcionalnosti

Sajt sadrži sledeće funkcionalnosti:

- **Modal forma** napisana u JavaScript-u
- **Provera podataka** koja se vrši regularnim izrazima
- **Dinamično učitavanje** pomaže da postoji samo jedan html template za sve vesti
- **Galerija slika** koja se prikazuje pomoću lightbox-a
- **Responzivan slajder** koji realizuje prikaz glumaca na početnoj strani
- **JSON** za gotovo sve podatke koji postoje na sajtu
- **"Sendvič"** dugme za pojavljivanje navigacije

1.3. Templates


```
<header>

 <button class="fas fa-bars" id="sandwich"></button>

 <nav class="gl-meni">

  <ul>

   <li><a href="/">Home</a></li>

   <li><a href="/gallery.php">Gallery</a></li>
```

```html
    <li><a href="/news.php">Current news</a></li>

    <li><a href="/author.php">Author</a></li>

    <li><a href="/starwars.pdf">Documentation</a></li>

    <li>

      <button class="log-reg">sign in / up</button>

    </li>

   </ul>

   <button class="far fa-times-circle" id="x"></button>

  </nav>

  <section class="stars">

  </section>

</header>


<footer>

  <div class="wrapper">

   <div id="cto">

    <a href="https://www.facebook.com/StarWars" class="fab fa-facebook"
target="_blank"></a>

    <a href="https://twitter.com/starwars" class="fab fa-twitter" target="_blank"></a>

    <a href="https://www.instagram.com/starwars/" class="fab fa-instagram"
target="_blank"></a>

    <a href="https://www.youtube.com/user/starwars" class="fab fa-youtube"
target="_blank"></a>

    <a href="http://www.imdb.com/title/tt2527336/" class="fab fa-imdb" target="_blank"></a>

    <a href="https://starwars.tumblr.com/" class="fab fa-tumblr" target="_blank"></a>


    <div id="disclaimer">

     <p>Design by &copy; Olja Ivković<br/>
```

This site is a project for ICT College, made for educational purposes. I don't intend to profit nor gain any rights. All rights go to their rightful owners. </p>

    </div>

  </div>

</div>

</footer>


```
<div class='login-modal'>
 <span id="close">&times;</span>
 <div class='modal-col'>
  <h1>sign in</h1>
  <form>
   <label>Email</label>
   <input type="text" placeholder="Email" class="email" />
   <span class="error email-err"></span>
   <label>Password</label>
   <input type="password" placeholder="Password" class="password" />
   <span class="error password-err"></span>
   <button class="submitSI">Sign in</button>
  </form>
  <div id="validacija">

  </div>
 </div>
 <div class="modal-col">
  <h1>sign up</h1>
  <form>
```

```html
    <label>Name and lastname</label>

    <input type="text" placeholder="Name and last name" class="fnln"/>

    <span class="error fnln-err"></span>

    <label>Student ID</label>

    <input type="text" placeholder="Index/Year" class="index"/>

    <span class="error index-err"></span>

    <label>Password</label>

    <input type="password" placeholder="Password" class="passwordSU"/>

    <span class="error passwordSU-err"></span>

    <label>Password Confirmation</label>

    <input type="password" placeholder="Password" class="confirm" />

    <span class="error confirm-err"></span>

    <button class="submitSU">Sign up</button>

  </form>

 </div>

</div>
```

1.4. Korišćeni CSS

ligthbox.css:

```css
html.lb-disable-scrolling {

 overflow: hidden;

 /* Position fixed required for iOS. Just putting overflow: hidden; on the body is not enough. */

 position: fixed;

 height: 100vh;

 width: 100vw;
```

```css
}

.lightboxOverlay {
  position: absolute;
  top: 0;
  left: 0;
  z-index: 9999;
  background-color: black;
  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=80);
  opacity: 0.8;
  display: none;
}

.lightbox {
  position: absolute;
  left: 0;
  width: 100%;
  z-index: 10000;
  text-align: center;
  line-height: 0;
  font-weight: normal;
}

.lightbox .lb-image {
  display: block;
  height: auto;
```

```css
  max-width: inherit;

  max-height: none;

  border-radius: 3px;


  /* Image border */

  border: 4px solid white;

}


.lightbox a img {

  border: none;}

.lb-outerContainer {

  position: relative;

  *zoom: 1;

  width: 250px;

  height: 250px;

  margin: 0 auto;

  border-radius: 4px;


  /* Background color behind image.

     This is visible during transitions. */

  background-color: white;

}


.lb-outerContainer:after {

  content: "";

  display: table;
```

```css
  clear: both;
}


.lb-loader {
  position: absolute;
  top: 43%;
  left: 0;
  height: 25%;
  width: 100%;
  text-align: center;
  line-height: 0;
}


.lb-cancel {
  display: block;
  width: 32px;
  height: 32px;
  margin: 0 auto;
  background: url(../images/loading.gif) no-repeat;
}


.lb-nav {
  position: absolute;
  top: 0;
  left: 0;
  height: 100%;
```

```css
  width: 100%;

  z-index: 10;

}


.lb-container > .nav {

  left: 0;

}


.lb-nav a {

  outline: none;

  background-image:
url('data:image/gif;base64,R0lGODlhAQABAPAAAP///wAAACH5BAEAAAALAAAAAABAAEAAA
ICRAEAOw==');

}


.lb-prev, .lb-next {

  height: 100%;

  cursor: pointer;

  display: block;

}


.lb-nav a.lb-prev {

  width: 34%;

  left: 0;

  float: left;

  background: url(../images/prev.png) left 48% no-repeat;

  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=0);
```

```css
  opacity: 0;

  -webkit-transition: opacity 0.6s;

  -moz-transition: opacity 0.6s;

  -o-transition: opacity 0.6s;

  transition: opacity 0.6s;

}


.lb-nav a.lb-prev:hover {

  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=100);

  opacity: 1;

}


.lb-nav a.lb-next {

  width: 64%;

  right: 0;

  float: right;

  background: url(../images/next.png) right 48% no-repeat;

  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=0);

  opacity: 0;

  -webkit-transition: opacity 0.6s;

  -moz-transition: opacity 0.6s;

  -o-transition: opacity 0.6s;

  transition: opacity 0.6s;}

.lb-nav a.lb-next:hover {

  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=100);

  opacity: 1;
```

```css
}

.lb-dataContainer {
  margin: 0 auto;
  padding-top: 5px;
  *zoom: 1;
  width: 100%;
  border-bottom-left-radius: 4px;
  border-bottom-right-radius: 4px;
}

.lb-dataContainer:after {
  content: "";
  display: table;
  clear: both;
}

.lb-data {
  padding: 0 4px;
  color: #ccc;}

.lb-data .lb-details {
  width: 85%;
  float: left;
  text-align: left;
  line-height: 1.1em;
```

```css
}

.lb-data .lb-caption {
  font-size: 13px;
  font-weight: bold;
  line-height: 1em;
}

.lb-data .lb-caption a {
  color: #4ae;
}

.lb-data .lb-number {
  display: block;
  clear: left;
  padding-bottom: 1em;
  font-size: 12px;
  color: #999999;
}

.lb-data .lb-close {
  display: block;
  float: right;
  width: 30px;
  height: 30px;
  background: url(../images/close.png) top right no-repeat;
```

```
    text-align: right;

    outline: none;

    filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=70);

    opacity: 0.7;

    -webkit-transition: opacity 0.2s;

    -moz-transition: opacity 0.2s;

    -o-transition: opacity 0.2s;

    transition: opacity 0.2s;

}


.lb-data .lb-close:hover {

    cursor: pointer;

    filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=100);

    opacity: 1;}
```
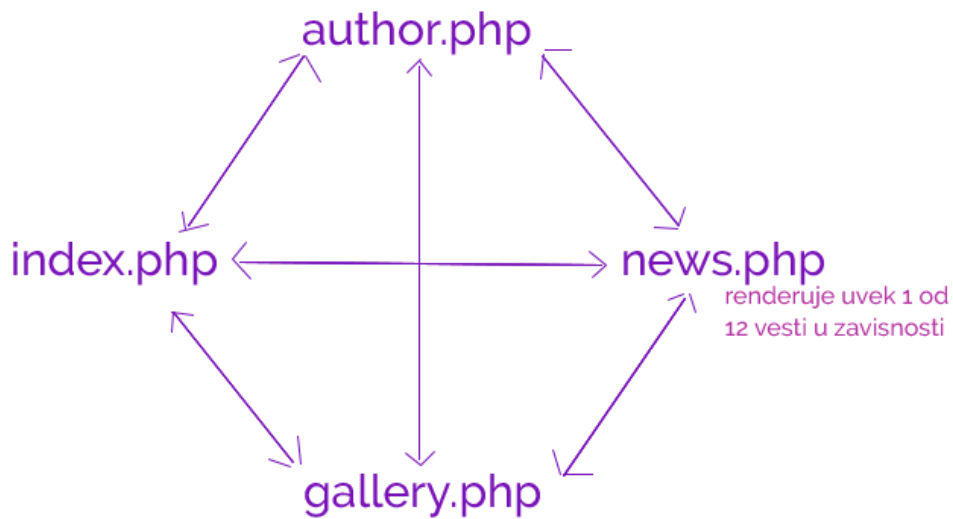
Organizacija

2.1. Organizaciona šema

NAVIGACIONI MENI

author.php

index.php ← → news.php

renderuje uvek 1 od
12 vesti u zavisnosti

gallery.php

2.2. Sitemap

```xml
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="https://starwars-fanpage.herokuapp.com/">
    <url>
        <loc>https://starwars-fanpage.herokuapp.com/index.php</loc>
        <lastmod>2018-03-13</lastmod>
        <changefreq>weekly</changefreq>
        <priority>1</priority>
    </url>
```
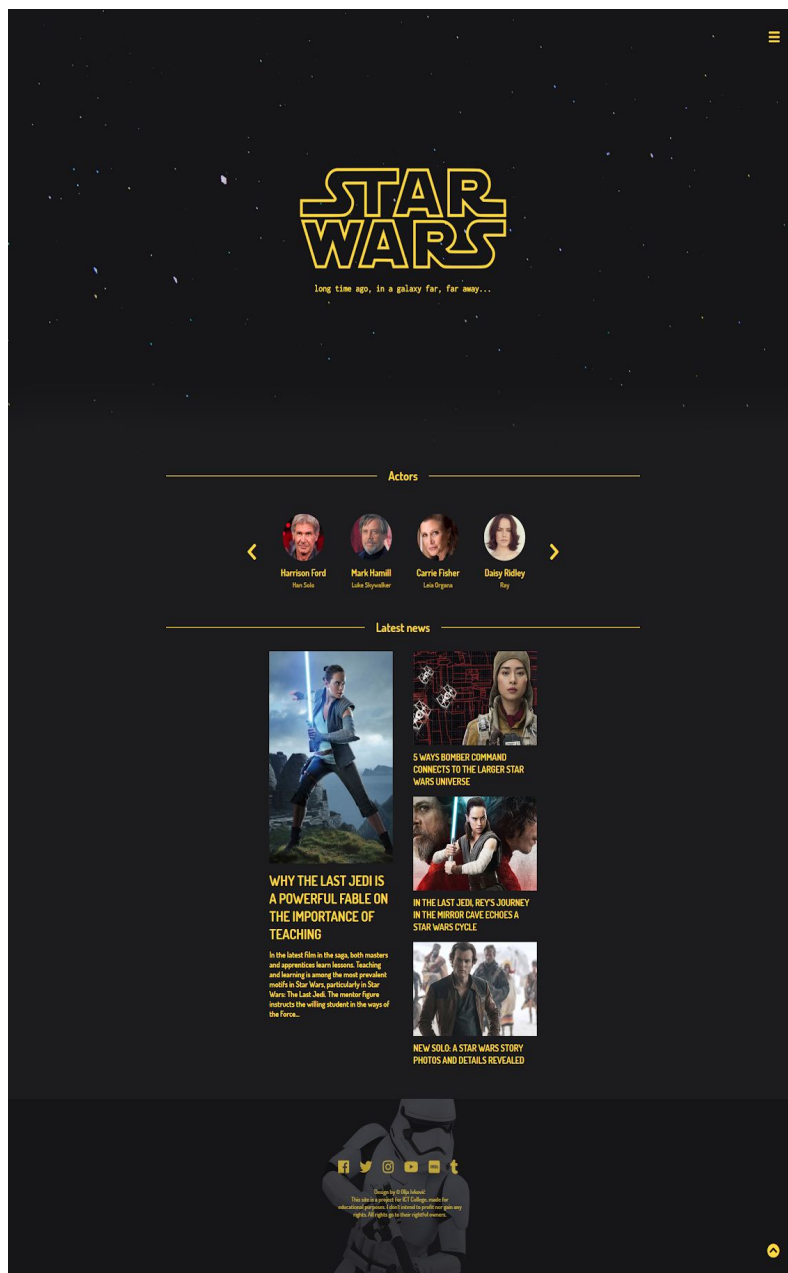
```xml
	<url>
		<loc>https://starwars-fanpage.herokuapp.com/gallery.php</loc>
		<lastmod>2018-03-12</lastmod>
		<changefreq>monthly</changefreq>
		<priority>0.9</priority>
	</url>
	<url>
		<loc>https://starwars-fanpage.herokuapp.com/news.php</loc>
		<lastmod>2018-03-12</lastmod>
		<changefreq>daily</changefreq>
		<priority>0.9</priority>
	</url>
	<url>
		<loc>https://starwars-fanpage.herokuapp.com/author.php</loc>
		<lastmod>2018-03-12</lastmod>
		<changefreq>yearly</changefreq>
		<priority>0.7</priority>
	</url>
	<url>
		<loc>https://starwars-fanpage.herokuapp.com/starwars.pdf</loc>
		<lastmod>2018-03-12</lastmod>
		<changefreq>yearly</changefreq>
		<priority>0.6</priority>
	</url>
</urlset>
```

2.3. Opis stranica sajta

index.php

Početna stranica je podeljena u dva segmenta. Na vrhu stranice u desnom uglu se nalazi dugme koje otvara navigacioni meni koji otvara inicijalno sakriven. On sadrži linkove ka svim ostalim stranama. Klikom na "x" meni se ponovo sakriva. Na dnu sajta se nalazi footer sa eksternim linkovima koji vode ka Star Wars profilima na društvenim mrežama. Tokom skroll-ovanja pojavljuje se strelica koja vraća na vrh stranice sajta.

● Prvi segment je slajder sa informacijama o glumcima koji je responzivan i koji reaguje na promenu rezolucije. Za fullscreen prikazuje četiri glumca, za tablet tri, a za mobilni telefon po jednu. Slike se menjaju strelicama sa leve i desne strane, po 4, 3 ili 2 glumca na klik. Strelice se disable-uje kada se dodje do kraja niza. Putanje do slika, alt atributi, imena glumaca i imena uloga u SW-u dohvatala sam preko AJAX-a iz JSON-a.

● Drugi segment su vesti koje se menjaju na svakih 5 sekundi. Klikom na određenu vest učitava se jedna jedina **news.php** na kojoj se nalazi opširniji sadržaj kilknute vesti.

Registracija i logovanje

Na dnu navigacionog menija nalazi se dugme za registraciju odn. logovanje. Klikom na dugme otvara se forma za Sign Up/In korisnika u obliku modala. Formu je moguće zatvoriti klikom na "x" ili klikom na bili šta van modala. Prikaz forme je rađen pomoću nativnog JavaScript-a.

Nakon unosa podataka, pomoću regularnih izraza, vrši se provera:

- Za email proverava da li je domen sa ICT-a (@ict.edu.rs) i da li je u formatu "ime.prezime.broj.godina@ict.edu.rs" (za profesore broj i godina ne treba da se unose).

- Za password se proverava da li ima minimum 8 karaktera, barem jedno malo, barem jedno veliko slovo i barem jednu cifru.

- Za name & last name proverava da li je početno slovo veliko, 3 minimum a 16 maksimum karaktera po reči, dozvoljeno više imena i prezimena;

Za student ID proverava da li je format "index / godina" (dozvoljeni i indexi za master studije (do 2000/17)

- Da li se password i confirm password poklapaju. Tek kad se poklope onda znači da je dobro uneto. Pravilno uneti podaci ispisuju se ispod Login forme. Za svaki neispravan unos dobija se obaveštenje

gallery.php

Galerija sadrži optimizovane slike koje se, klikom na iste, proširuju i prikazuju u krupnom planu pomoću **lightbox plug-in-a.**
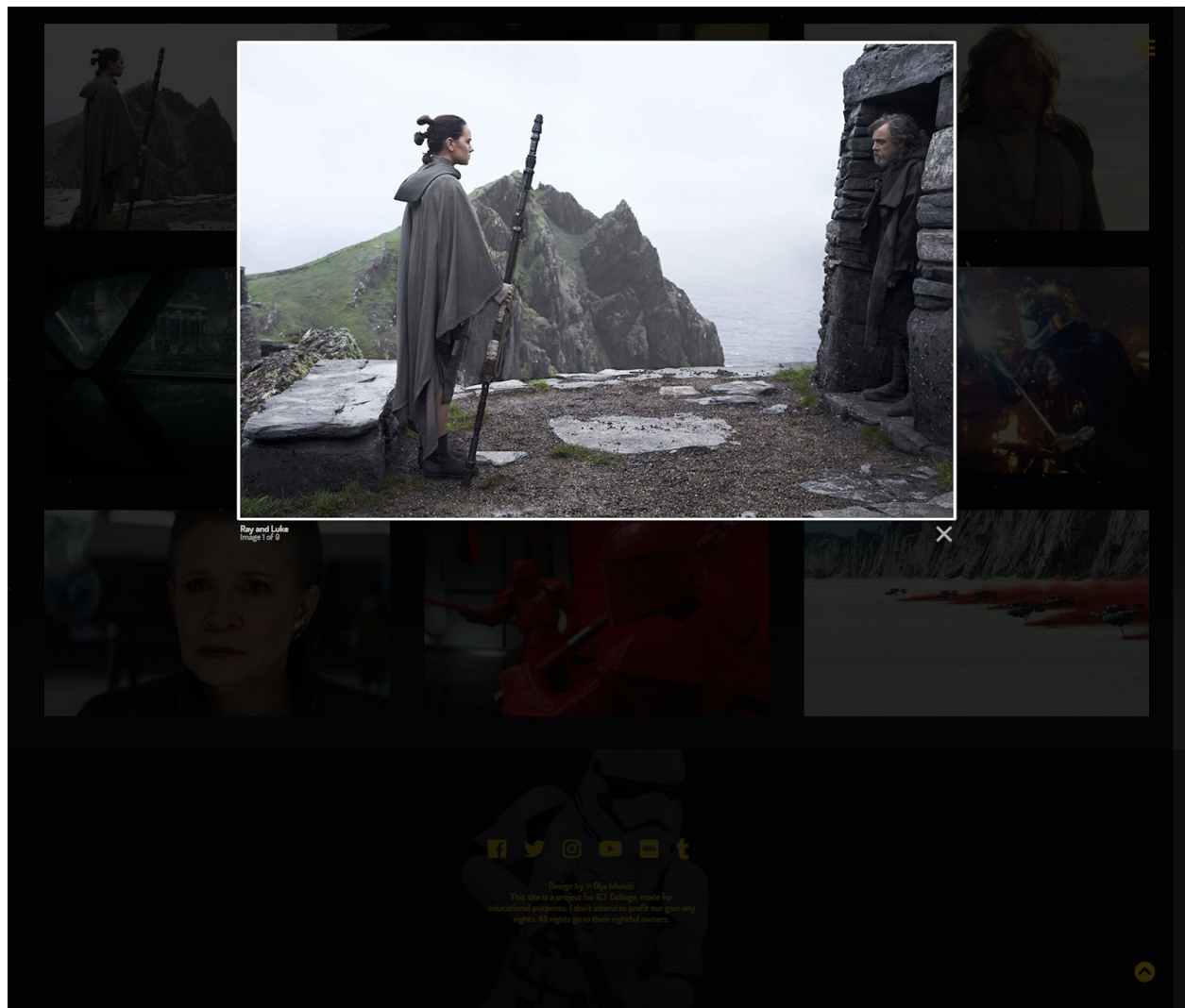
news.php

News stranica je template za sve vesti. Na index.html stranici može se videti slider vesti, na čiji klik naslova se učitava uvek news.php. Ali, pomoću regularnog izarza zna da "čupa" vrednost ID-a iz URL-a i po tome zna koju vest iz JSON-a da servira putem AJAX-a. Ovom metodom pošteđeni smo kreiranja zasebnih html stranica za svaku vest. Svaka vest ponaosob ima svoj JSON fajl u kome su slike i pasusi. Zahvaljujuci paginaciji, sa news.php strane uvek možemo učitati bilo koju od 12 vesti, tj prethodnu, sledeću ili bilo koju vest iz JSON-a. 3 primera:

5 THINGS WE LEARNED FROM THE FORCE OF SOUND

It's sound that gives each digital character weight and personality, making everything from the tiniest gestures to the big climactic moments feel authentic. Behind the scenes, there's a team of audio experts at work to find the perfect noise to evoke emotion or heighten drama through an extensively layered mix or, sometimes, the complete absence of sound.Here are five fascinating things we learned from "The Force of Sound: Creating sounds in galaxy far, far away"

1. In the recording booth, BB-8 doesn't look at all like you might think.

To create the illusion that the spherical astromech is rolling through each scene, the sound effects team in the studio rolls a granite orb on a special box. It's just one example in a vast arsenal of strange props and tools that help audio engineers and sound designers capture the magic of a galaxy far, far away. "It's like an old radio play," says Matthew Wood, supervising sound editor.


2. The porg sound was one of the first elements tackled for the film.

Ahch-To's resident space puffins provided one of the first challenges for sound designer Ren Klyce and his team."Birdlike. Kind of annoying but not too annoying." Real bird sounds, sped up and played at a higher pitch, and one intern's turkey call helped to create the perfect trilling squawk to complement the wide-eyed creatures and their innocent on-screen demeanor.

4. Sometimes it's the absence of sound that makes the moment come alive...

There's a moment just after the Holdo maneuver where the sound vanishes, replaced by utter silence. "The film's so bombastic with noise that at the largest moment when Snoke's ship is being destroyed by Holdo doing her kamikaze/seppuku run into it…to have then an explosion there just would have been fine," says Klyce. "The idea to have nothing there was more interesting and to kind of make everybody wait for it."
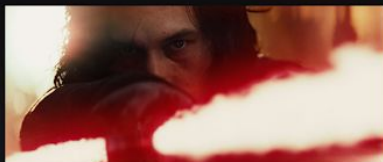
5. ...or hints at a deeper connection to the Force.

Sound designers went through trial and error to help Johnson convey his vision for the most vulnerable moments of Force connection between Kylo Ren and Rey. "(Sound) can expand something to make it feel bigger than it is, it can make you feel small and intimate if you've pared everything away and taken out sound and left a little vacuum," says Wood. And when they approached the final battle between Luke Skywalker and his nephew, audio and visual clues hinted that the Jedi Master wasn't physically on Crait long before the big reveal. Listen closely and you can hear debris sizzling on Kylo's saber. When the camera pans to Luke, there's nothing, not even the sound of his footfalls. "We tried to juxtapose that so you're getting clues," Wood says.

1   2   3   4   5   6   7   8   9   10   11   12   Next

5 HIGHLIGHTS FROM THE SOLO: A STAR WARS STORY TEASER TRAILER

The teaser trailer for Solo: A Star Wars Story is here, offering a portrait of the scoundrel as a young man — and so much more. We get Han, Chewie, new characters, new vehicles, weird aliens in floating jars, and some giant tentacles. Here are five highlights of many.

1. "I'm gonna be a pilot. Best in the galaxy." Only one person could have the bravura to say that and the talent to back it up. For anyone who loves Han Solo, it's thrilling to turn back the clock and see the rogue scoundrel before he met Luke and Obi-Wan in Mos Eisley, before he said "I know," and before he became a legend. The opening narration by Alden Ehrenreich, delivered with classic Solo world-weariness, gives us a glimpse of who Solo was and where he's going. "I've been running scams on the street since I was 10." We're not surprised.

2. Hello, what have we here? The style. The smile. That's Lando, and Donald Glover — in just a few images — manages to capture the fan-favorite's essence perfectly. He appears cool and collected (until he's not, like when a giant tentacle is about to swat the Falcon), and we can't wait to see more of him.

3. The Millennium Falcon — was clean? Maybe the biggest shocker of all is that a ship that's been called a "hunk of junk," a "bucket of bolts," and "garbage" ever looked remotely nice. This teaser trailer shows that before we first saw it in all its beat-up glory (and still thought it was the coolest thing ever) in A New Hope, the Falcon had indeed seen better days.

4. That Western feel. From a desert standoff to the mention of a "crew," much of the imagery and tone of the Solo: A Star Wars Story teaser trailer seems rooted in classic Westerns — appropriate, considering that the genre was a major influence on the original Star Wars. And especially fitting for an early tale about a scoundrel who blasts bounty hunters under cantina tables.

5. Home run. We've seen Han pull off some fancy moves with the Falcon, and this might be the best. With a TIE fighter close by, Han spins, smashing the smaller craft away and into a fiery explosion. Just awesome, and a moment that exemplifies the Falcon's can't-be-matched cool factor. For best results, play on repeat.

Bonus: "I might be the only person who knows...what you really are." Actress Emilia Clarke's Qi'ra brings some straight talk to Solo, and Ehrenreich's reaction is pure Han: trying to be tough yet letting his vulnerability sneak through. It's a very human moment, and that relatability is why Han Solo remains our favorite nerf herder.

Previous   1   2   3   4   5   6   7   8   9   10   11   12

WHY THE LAST JEDI IS A POWERFUL FABLE ON THE IMPORTANCE OF TEACHING

Teaching and learning is among the most prevalent motifs in Star Wars, particularly in Star Wars: The Last Jedi. The mentor figure instructs the willing student in the ways of the Force. However, it's not that cut and dry in Rian Johnson's film. It's much more of an unorthodox process for the Force-wielders on Ahch-To, and provides a masterful commentary on what pedagogy is all about.

Yoda

Perhaps no Star Wars instructor demonstrates this better than Yoda. He appears to call down lightning on the uneti tree and destroys the bound library of Jedi knowledge, much to Luke's shock and consternation. Yoda is modeling a valuable tool used by many educators: adaptability. As a teacher, you may have an airtight lesson, but if you do not know your students, the lesson may fall flat. Hence, the need to modify the initial plan to best serve the needs of the learner. Yoda knows Luke is hurting, encourages him to take himself a little less seriously, and tells him failure is the best teacher. An unconventional philosophy for some, but Yoda sees things in a much more enlightened way.

Luke Skywalker

Since the time when he bravely threw down his lightsaber in the Emperor's throne room, his faith in himself and the Force has waned; he believes the Jedi viewpoint and philosophy is part of what led to his perceived failure with Ben Solo and his plan to resurrect the Jedi Order. He has forgotten how to adapt and modify his point of view. He thinks he failed the galaxy, and is temporarily incapable of seeing things from a different perspective. He goes so far as to close himself off from the Force, which is problematic, considering that the Force is a big part of who the Jedi Master is. In short, his failure is complete, or so he thinks.

Luke blames himself for Ben Solo's fall to the dark side. Ben Solo made his own choice to turn to the dark side, but Luke does not appear to acknowledge this fact. Instead, he turns to his own pride and conceit, which inadvertently helps catapult the galaxy into further turmoil. Failure is the greatest teacher, but you have to be willing to embrace this, turn from hubris, and learn from your mistakes.

Previous 1 2 3 4 5 6 7 8 9 10 11 12 Next

author.php
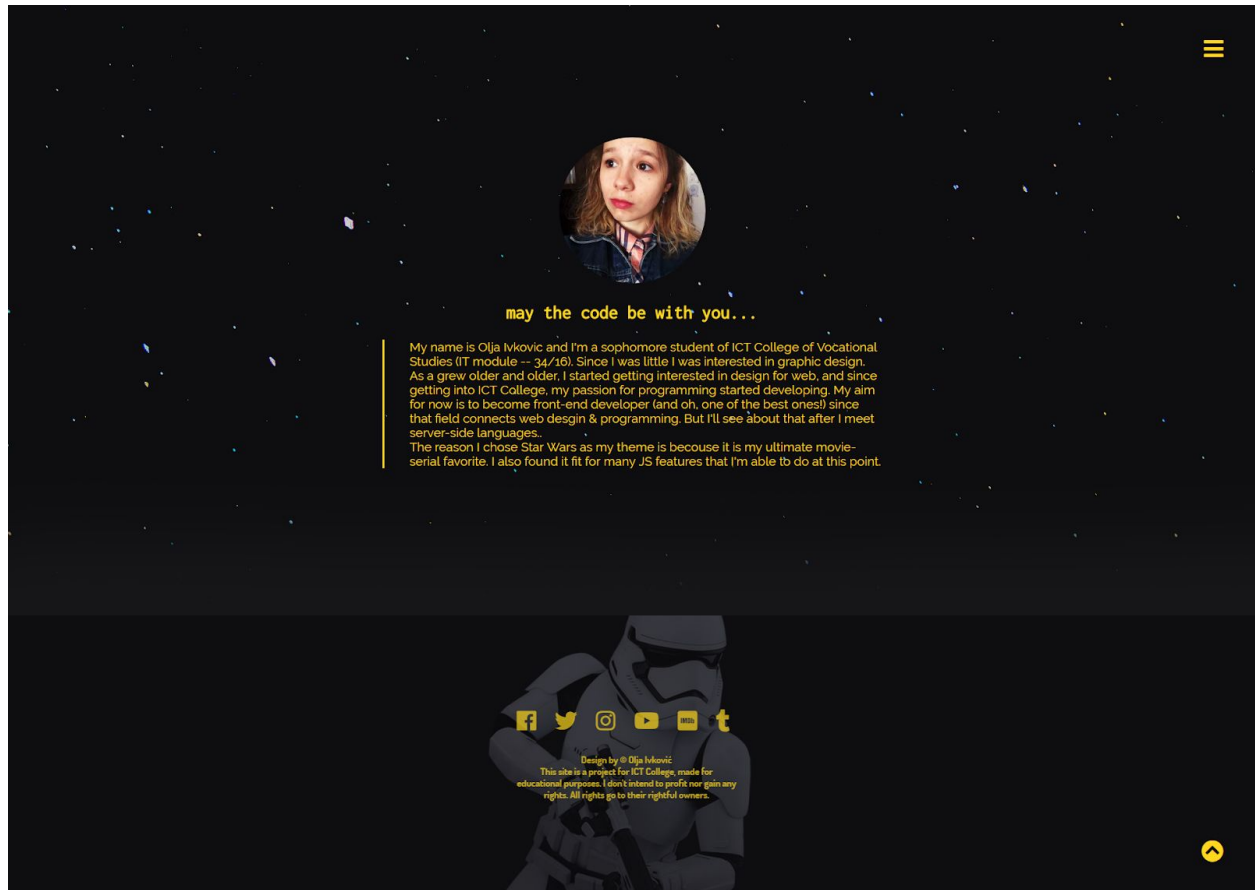
Na ovoj strani nalaze se informacije o autoru sajta. Od JavaScripta iskorišćena je jedino moja funkcija "slowWrite" koja polako ispisuje slovo po slovo prosledjenu rečenicu. Ista je upotrebljena na index.php strani.

Kodovi

3.1. HTML

3.1.1. index.php

```
<!DOCTYPE html>

<html>

  <head>

    <title>STAR WARS</title>

    <meta charset="utf-8">

    <meta name="keywords" content="star wars, galaxy, stars, force, rey, luke skywalker, darth vader, han solo, leia, the last jedi, news, stormtrooper"/>

    <meta name="description" content="Long time ago in a galaxy far, far away... lived one website made for educational purposes and fun."/>

    <meta name="author" content="mailto:olja.ivkovic.34.16@ict.edu.rs"/>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="style.css">

    <link rel="shortcut icon" href="images/dvfavicon.ico" >

    <link href="https://use.fontawesome.com/releases/v5.0.6/css/all.css" rel="stylesheet">

  </head>

  <body>

    <header>

      <button class="fas fa-bars" id="sandwich"></button>
```

```
<nav class="gl-meni">

 <ul>

  <li>

   <a href="/">Home</a>

  </li>

  <li>

   <a href="/gallery.php">Gallery</a>

  </li>


  <li>

   <a href="/news.php">Current news</a>

  </li>


  <li>

   <a href="/author.php">Author</a>

  </li>

  <li>

   <a href="/starwars.pdf">Documentation</a>

  </li>

  <li>

   <button class="log-reg">sign in / up</button>
```

```
      </li>

    </ul>

    <button class="far fa-times-circle" id="x"></button>

  </nav>

  <section class="stars">

   <div class="logo">

     <img alt="logo" src="images/logo.png"/>

     <h1 id="slow-text">long time ago, in a galaxy far, far away...</h1>

   </div>

  </section>

</header>


<div class="wrapper">

  <hr />

  <section class="actors">

   <h1 class="heading">Actors</h1>

   <button class="fas fa-chevron-left prev"></button>


   <button class="fas fa-chevron-right next"></button>

  </section>
```

```
    <hr />

    <div class="news-container">

      <h1 class="heading">Latest news</h1>

        <section class="col left">


        </section>

        <section class="col right">


        </section>

      </div>

    </div>


    <footer>

      <div class="wrapper">

        <div id="cto">

          <a href="https://www.facebook.com/StarWars" class="fab fa-facebook"
target="_blank"></a>

          <a href="https://twitter.com/starwars" class="fab fa-twitter" target="_blank"></a>

          <a href="https://www.instagram.com/starwars/" class="fab fa-instagram"
target="_blank"></a>

          <a href="https://www.youtube.com/user/starwars" class="fab fa-youtube"
target="_blank"></a>
```

```html
        <a href="http://www.imdb.com/title/tt2527336/" class="fab fa-imdb"
target="_blank"></a>

        <a href="https://starwars.tumblr.com/" class="fab fa-tumblr" target="_blank"></a>


        <div id="disclaimer">

          <p>Design by &copy; Olja Ivković<br/>

        This site is a project for ICT College, made for educational purposes. I don't intend to profit
nor gain any rights. All rights go to their rightful owners. </p>

        </div>

      </div>

    </div>

    </footer>



    <div class='login-modal'>

      <span id="close">&times;</span>

      <div class='modal-col'>

        <h1>sign in</h1>

        <form>

          <label>Email</label>

          <input type="text" placeholder="Email" class="email" />

          <span class="error email-err"></span>
```

```html
    <label>Password</label>

    <input type="password" placeholder="Password" class="password" />

    <span class="error password-err"></span>

    <button class="submitSI">Sign in</button>

  </form>

  <div id="validacija">


  </div>

</div>

<div class="modal-col">

  <h1>sign up</h1>

  <form>

    <label>Name and lastname</label>

    <input type="text" placeholder="Name and last name" class="fnln"/>

    <span class="error fnln-err"></span>

    <label>Student ID</label>

    <input type="text" placeholder="Index/Year" class="index"/>

    <span class="error index-err"></span>

    <label>Password</label>

    <input type="password" placeholder="Password" class="passwordSU"/>

    <span class="error passwordSU-err"></span>
```

```
      <label>Password Confirmation</label>

      <input type="password" placeholder="Password" class="confirm" />

      <span class="error confirm-err"></span>

      <button class="submitSU">Sign up</button>

    </form>

   </div>

  </div>




  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

  <script src="skripte/sajt.js"></script>

  <script src="skripte/actors.js"></script>

  <script src="skripte/lista.js"></script>

 </body>

</html>
```

3.1.2. gallery.php

```
<!DOCTYPE html>

<html>

 <head>

  <title>STAR WARS | Gallery</title>
```

```
    <meta charset="utf-8">

    <meta name="keywords" content="star wars, luke skywalker, rey, finn, rose, kylo ren, ben solo,
han solo, leia, war, battle, evil, good, force, galaxy"/>

    <meta name="description" content="Never tired of watching SW pics? Then you've come to
the right place!"/>

    <meta name="author" content="mailto:olja.ivkovic.34.16@ict.edu.rs"/>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="style.css">

    <link rel="shortcut icon" href="images/dvfavicon.ico" >

    <link href="https://use.fontawesome.com/releases/v5.0.6/css/all.css" rel="stylesheet">

    <link href="/dist/css/lightbox.min.css" rel="stylesheet">

  </head>

  <body>

    <header>

      <button class="fas fa-bars" id="sandwich"></button>

      <nav class="gl-meni">

        <ul>

          <li>

            <a href="/">Home</a>

          </li>


          <li>
```

```html
      <a href="/gallery.php">Gallery</a>

    </li>


    <li>

      <a href="/news.php">Current news</a>

    </li>


    <li>

      <a href="/author.php">Author</a>

    </li>

    <li>

      <a href="/starwars.pdf">Documentation</a>

    </li>

    <li>

      <button class="log-reg">sign in / up</button>

    </li>

  </ul>

  <button class="far fa-times-circle" id="x"></button>

</nav>

<section class="stars stars-extended">

  <div class="gallery">
```

```
<a href='/images/gallery/1.jpg' data-lightbox="galerija" data-title="Ray and Luke">

  <img src="/images/gallery/1_s.jpg" />

</a>

<a href='/images/gallery/2.jpg' data-lightbox="galerija" data-title="Porg">

  <img src="/images/gallery/2_s.jpg" />

</a>

<a href='/images/gallery/3.jpg' data-lightbox="galerija" data-title="Luke Skywalker">

  <img src="/images/gallery/3_s.jpg" />

</a>

<a href='/images/gallery/4.jpg' data-lightbox="galerija" data-title="Kylo Ren">

  <img src="/images/gallery/4_s.jpg" />

</a>

<a href='/images/gallery/5.jpg' data-lightbox="galerija" data-title="Finn and Rose">

  <img src="/images/gallery/5_s.jpg" />

</a>

<a href='/images/gallery/6.jpg' data-lightbox="galerija" data-title="Finn vs Phasma">

  <img src="/images/gallery/6_s.jpg" />

</a>


<a href='/images/gallery/7.jpg' data-lightbox="galerija" data-title="Leia Organa">

  <img src="/images/gallery/7_s.jpg" />
```

```
        </a>


        <a href='/images/gallery/8.jpg' data-lightbox="galerija" data-title="Snoke's personal red
guard">

          <img src="/images/gallery/8_s.jpg" />

        </a>


        <a href='/images/gallery/9.jpg' data-lightbox="galerija" data-title="Battle">

          <img src="/images/gallery/9_s.jpg" />

        </a>

      </div>

    </section>

  </header>


  <footer>

    <div class="wrapper">

      <div id="cto">

        <a href="https://www.facebook.com/StarWars" class="fab fa-facebook"
target="_blank"></a>

        <a href="https://twitter.com/starwars" class="fab fa-twitter" target="_blank"></a>

        <a href="https://www.instagram.com/starwars/" class="fab fa-instagram"
target="_blank"></a>
```

```
        <a href="https://www.youtube.com/user/starwars" class="fab fa-youtube"
target="_blank"></a>

        <a href="http://www.imdb.com/title/tt2527336/" class="fab fa-imdb" target="_blank"></a>

        <a href="https://starwars.tumblr.com/" class="fab fa-tumblr" target="_blank"></a>


        <div id="disclaimer">

          <p>Design by &copy; Olja Ivković<br/>

      This site is a project for ICT College, made for educational purposes. I don't intend to profit
nor gain any rights. All rights go to their rightful owners. </p>

        </div>

      </div>

    </div>

    </footer>


    <div class='login-modal'>

      <span id="close">&times;</span>

      <div class='modal-col'>

        <h1>sign in</h1>

        <form>

          <label>Email</label>

          <input type="text" placeholder="Email" class="email" />

          <span class="error email-err"></span>
```

```html
    <label>Password</label>

    <input type="password" placeholder="Password" class="password" />

    <span class="error password-err"></span>

    <button class="submitSI">Sign in</button>

  </form>

  <div id="validacija">


  </div>

</div>

<div class="modal-col">

  <h1>sign up</h1>

  <form>

    <label>Name and lastname</label>

    <input type="text" placeholder="Name and last name" class="fnln"/>

    <span class="error fnln-err"></span>

    <label>Student ID</label>

    <input type="text" placeholder="Index/Year" class="index"/>

    <span class="error index-err"></span>

    <label>Password</label>

    <input type="password" placeholder="Password" class="passwordSU"/>

    <span class="error passwordSU-err"></span>
```

```
      <label>Password Confirmation</label>

      <input type="password" placeholder="Password" class="confirm" />

      <span class="error confirm-err"></span>

      <button class="submitSU">Sign up</button>

    </form>

   </div>

  </div>


  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

  <script src="/dist/js/lightbox.min.js"></script>

  <script src="skripte/sajt.js"></script>

 </body>

</html>
```

3.1.3. news.php

```
<!DOCTYPE html>

<html>

 <head>

  <title>STAR WARS | News</title>

  <meta charset="utf-8">
```

```
    <meta name="keywords" content="star wars, the last jedi, force of sound, mark hamill,
walk of fame, crystal fox cookie, visual dictionary, importance of teaching, bomber, mirror cave,
new solo, kylo ren, meaning of mask, book, comic, movie, franchise, icons of galaxy"/>

    <meta name="description" content="Interested in the events that evolve SW universe? Join us
and read many interesting articles!"/>

    <meta name="author" content="mailto:olja.ivkovic.34.16@ict.edu.rs"/>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="style.css">

    <link rel="shortcut icon" href="images/dvfavicon.ico" >

    <link href="https://use.fontawesome.com/releases/v5.0.6/css/all.css" rel="stylesheet">

  </head>

 <body>

  <header>

    <button class="fas fa-bars" id="sandwich"></button>

    <nav class="gl-meni">

      <ul>

       <li>

        <a href="/">Home</a>

       </li>

       <li>

        <a href="/gallery.php">Gallery</a>

       </li>
```

```html
      <li>

        <a href="/news.php">Current news</a>

      </li>

      <li>

        <a href="/author.php">Author</a>

      </li>

      <li>

        <a href="/starwars.pdf">Documentation</a>

      </li>

      <li>

        <button class="log-reg">sign in / up</button>

      </li>

    </ul>

    <button class="far fa-times-circle" id="x"></button>

  </nav>

  <section class="stars stars-extended">

    <div class="news-wrapper">


    </div>

  </section>

</header>
```

```html
<footer>

  <div class="wrapper">

    <div id="cto">

      <a href="https://www.facebook.com/StarWars" class="fab fa-facebook"
target="_blank"></a>

      <a href="https://twitter.com/starwars" class="fab fa-twitter" target="_blank"></a>

      <a href="https://www.instagram.com/starwars/" class="fab fa-instagram"
target="_blank"></a>

      <a href="https://www.youtube.com/user/starwars" class="fab fa-youtube"
target="_blank"></a>

      <a href="http://www.imdb.com/title/tt2527336/" class="fab fa-imdb" target="_blank"></a>

      <a href="https://starwars.tumblr.com/" class="fab fa-tumblr" target="_blank"></a>


      <div id="disclaimer">

        <p>Design by &copy; Olja Ivković<br/>

    This site is a project for ICT College, made for educational purposes. I don't intend to profit
nor gain any rights. All rights go to their rightful owners. </p>

      </div>

    </div>

  </div>

</footer>
```

```
<div class='login-modal'>

  <span id="close">&times;</span>

  <div class='modal-col'>

    <h1>sign in</h1>

    <form>

      <label>Email</label>

      <input type="text" placeholder="Email" class="email" />

      <span class="error email-err"></span>

      <label>Password</label>

      <input type="password" placeholder="Password" class="password" />

      <span class="error password-err"></span>

      <button class="submitSI">Sign in</button>

    </form>

    <div id="validacija">


    </div>

  </div>

  <div class="modal-col">

    <h1>sign up</h1>

    <form>
```

```html
    <label>Name and lastname</label>

    <input type="text" placeholder="Name and last name" class="fnln"/>

    <span class="error fnln-err"></span>

    <label>Student ID</label>

    <input type="text" placeholder="Index/Year" class="index"/>

    <span class="error index-err"></span>

    <label>Password</label>

    <input type="password" placeholder="Password" class="passwordSU"/>

    <span class="error passwordSU-err"></span>

    <label>Password Confirmation</label>

    <input type="password" placeholder="Password" class="confirm" />

    <span class="error confirm-err"></span>

    <button class="submitSU">Sign up</button>

  </form>

 </div>

 </div>


 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

 <script src="skripte/sajt.js"></script>

 <script src="skripte/vesti.js"></script>

</body>
```

```
</html>
```

3.1.4. author.php

```
<!DOCTYPE html>

<html>

  <head>

    <title>STAR WARS | Author</title>

    <meta charset="utf-8">

    <meta name="keywords" content="star wars, about, author, web design, web programming,
ICT college, IT, passion, galaxy, best"/>

    <meta name="description" content="It'd be pitty if you don't at least see who the author of this
website is!"/>

    <meta name="author" content="mailto:olja.ivkovic.34.16@ict.edu.rs"/>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="style.css">

    <link rel="shortcut icon" href="images/dvfavicon.ico" >

    <link href="https://use.fontawesome.com/releases/v5.0.6/css/all.css" rel="stylesheet">

  </head>

  <body>

    <header>

      <button class="fas fa-bars" id="sandwich"></button>

      <nav class="gl-meni">
```

```html
<ul>

  <li>

    <a href="/">Home</a>

  </li>

  <li>

    <a href="/gallery.php">Gallery</a>

  </li>

  <li>

    <a href="/news.php">Current news</a>

  </li>

  <li>

    <a href="/author.php">Author</a>

  </li>

  <li>

    <a href="/starwars.pdf">Documentation</a>

  </li>

  <li>

    <button class="log-reg">sign in / up</button>

  </li>

</ul>

<button class="far fa-times-circle" id="x"></button>
```

```
    </nav>

  <section class="stars stars-extended">

    <div class="about-me">

      <img src="images/ja.jpg"/>

      <div id="about">

        <h1>may the code be with you...</h1>

        <p>My name is Olja Ivkovic and I'm a sophomore student of ICT College of Vocational
Studies (IT module -- 34/16). Since I was little I was interested in graphic design. As a grew older
and older, I started getting interested in design for web, and since getting into ICT College, my
passion for programming started developing. My aim for now is to become front-end developer
(and oh, one of the best ones!) since that field connects web desgin & programming. But I'll see
about that after I meet server-side languages.. </p>

        <p>The reason I chose Star Wars as my theme is becouse it is my ultimate movie-serial
favorite. I also found it fit for many JS features that I'm able to do at this point.</p>

      </div>

    </div>

  </section>

</header>


  <footer>

  <div class="wrapper">

    <div id="cto">

      <a href="https://www.facebook.com/StarWars" class="fab fa-facebook"
target="_blank"></a>
```

```
        <a href="https://twitter.com/starwars" class="fab fa-twitter" target="_blank"></a>

        <a href="https://www.instagram.com/starwars/" class="fab fa-instagram"
target="_blank"></a>

        <a href="https://www.youtube.com/user/starwars" class="fab fa-youtube"
target="_blank"></a>

        <a href="http://www.imdb.com/title/tt2527336/" class="fab fa-imdb" target="_blank"></a>

        <a href="https://starwars.tumblr.com/" class="fab fa-tumblr" target="_blank"></a>


        <div id="disclaimer">

          <p>Design by &copy; Olja Ivković<br/>

        This site is a project for ICT College, made for educational purposes. I don't intend to profit
nor gain any rights. All rights go to their rightful owners. </p>

        </div>

      </div>

    </div>

    </footer>



    <div class='login-modal'>

      <span id="close">&times;</span>

      <div class='modal-col'>

        <h1>sign in</h1>
```

```
<form>

  <label>Email</label>

  <input type="text" placeholder="Email" class="email" />

  <span class="error email-err"></span>

  <label>Password</label>

  <input type="password" placeholder="Password" class="password" />

  <span class="error password-err"></span>

  <button class="submitSI">Sign in</button>

</form>

<div id="validacija">


</div>

</div>

<div class="modal-col">

<h1>sign up</h1>

<form>

  <label>Name and lastname</label>

  <input type="text" placeholder="Name and last name" class="fnln"/>

  <span class="error fnln-err"></span>

  <label>Student ID</label>

  <input type="text" placeholder="Index/Year" class="index"/>
```

```
<span class="error index-err"></span>

<label>Password</label>

<input type="password" placeholder="Password" class="passwordSU"/>

<span class="error passwordSU-err"></span>

<label>Password Confirmation</label>

<input type="password" placeholder="Password" class="confirm" />

<span class="error confirm-err"></span>

<button class="submitSU">Sign up</button>

      </form>

    </div>

  </div>


  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

  <script src="skripte/sajt.js"></script>

  <script src="skripte/vesti.js"></script>

 </body>

</html>
```

3.2. CSS

3.2.1. style.css

```
@import url('https://fonts.googleapis.com/css?family=Dosis:700|Inconsolata|Raleway');
```

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

html {
  font-size: 62.5%;
}

body {
  font-family: 'Dosis', sans-serif;
  font-weight:100;
  color: #ffd81f;
  background-color:#161619;
}

.wrapper {
  display: flex;
  flex-direction: column;
```

```css
  flex-wrap: wrap;

  align-items: center;

}


div::after,

header::after,

nav::after,

section::after,

article::after,

footer::after {

  content: '';

  display:block;

  clear:both;

}


a {

  text-decoration: none;

  color:#ffd81f;

}


li {
```

```css
  list-style-type: none;

}


/* ---------- BUTTONS ---------- */

#sandwich, #x, #strelica {

  border-style: none;

  font-size:3rem;

  background: transparent;

  cursor:pointer;

  padding:1.5em;

  color:#ffd81f;

  position: fixed;

  z-index:998;

  right:0;

}


#strelica:focus, #sandwich:focus, #x:focus, .prev:focus, .next:focus {

  outline: none;

}


#strelica {
```

```css
  bottom:0;

  right:0;

  display:none;

  z-index:1000;

}


#x {

  z-index:1000;

  position: absolute;

  top:0;

}


.next,.prev {

  background: transparent;

  border-style:none;

  color:#ffd81f;

  font-size:4rem;

  cursor:pointer;

  align-self:center;

  margin:.7em;

}
```

```css
#close {

  font-size:4rem;

  cursor:pointer;

  position:absolute;

  right:38px;

  top:10px;

}


/* ---------- HEADER ---------- */

header {

  width:100%;

  margin-bottom: 2em;

}


.stars {

  background-image: url(images/stars2.png);

  background-size: cover;

  background-position: center;

  height:100vh;

  display:flex;
```

```css
  justify-content: center;

  align-items: center;

}


.logo img {

  height: 214px;

}


.logo h1 {

  text-align: center;

  font-family: 'Inconsolata', monospace;

  font-size: 2rem;

  padding: 1.5em 0;

}


@media (max-width: 480px) {

  .logo img {

   display:block;

   margin: 0 auto;

   height:130px;

  }
```

```css
  .logo h1 {

    font-size:1.6rem;

  }

}


/* ---------- NAVIGATION ---------- */

.gl-meni {

  text-align:left;

  background:#0e0d10;

  position:fixed;

  z-index:999;

  height:100vh;

  width:28rem;

  right:-28rem;

}

.gl-meni ul {

  padding:2em;

}
```

```css
.gl-meni li {

  padding:1em;

}


.gl-meni a {

  color: white;

  font-size: 3rem;

  font-weight: 900;

  font-family: 'Dosis', sans-serif;

}


.gl-meni li:last-child {

  margin-top:5rem;

}


.gl-meni a:hover, .gl-meni a:focus {

  color:#ffd81f;

}


.log-reg {

  background:transparent;
```

```css
  border:2px solid #ffe81f;

  padding:1em;

  cursor: pointer;

  color:#ffd81f;

  font-size:2rem;

  font-weight:900;

  font-family: 'Inconsolata', monospace;

}


.log-reg:hover, .log-reg:focus {

  background:#ffd81f;

  color:black;

}


/* ---------- ACTORS --------- */
.actors {

  margin: 5em 0;

  display: flex;

  flex-flow: row wrap;

  justify-content: center;

  position:relative;
```

```css
}


.actor {

  color:#ffd81f;

  margin:3em;

  text-align:center;

}


.actor img {

  width:100px;

  height:100px;

  border-radius: 100%;

  margin-bottom: 1em;

}


.actor h2 {

  margin-bottom: .2em;

  font-size:2rem;

}


.actor p {
```

```css
    font-size:1.5rem;

    color:#c5a305;

}


/* ---------- NEWS-SLIDER ---------- */

.news-container {

  display: flex;

  flex-flow:row wrap;

  justify-content: center;

  position:relative;

  margin: 5em 0;

}


.news-container img {

  width:100%;

}


.news-container article {

  width:30em;

  margin-bottom:2em;

}
```

```css
.news-container article h2 {

  margin: .5em 0;

  font-size:2rem;

}


.left {

  margin-right:5em;

}


.left h2 {

  font-size:3rem !important;

}


.left p {

  font-size:1.7rem;

}


.heading {

  position:absolute;

  top:-8rem;
```

```css
  font-size: 2.7rem;

  background-color:#161619;

  padding:.4em 1em;

  align-self:center;

}


hr {

  min-width: 60%;

  width:40%;

  position:relative;

  border-color:#ffd81f;

  background: #ffd81f;

}


@media (max-width: 320px) {

  .actor img {

    width: 80px;

    height: 80px;

  }


  .actor {
```

```css
    font-size: .5rem;

    margin:0;

  }

}


@media (max-width: 650px) {

  .left {

    margin-right:0;

  }


  .news-wrapper {

    display: flex;

    flex-flow:column wrap;

  }


  .left h2 {

    font-size:2.7rem;

  }


  .left p {

    font-size:1.7rem;
```

```css
  }

}


/* ---------- FOOTER ---------- */

footer {

  width:100%;

  background-color:#0e0d10;

  min-height: 25rem;

}


footer .wrapper {

  min-width:100%;

  background: url("images/stormtrooper.png") center center no-repeat;

}


footer a {

  color:#ffd81f;

  font-size:3rem;

  margin-right: .8em;

}
```

```css
#cto {

  text-align:center;

  margin:13rem;

  opacity:0.7;

}


#disclaimer {

  width: 30rem;

  margin: 3rem 0 auto;

  font-size: 1.3rem;

}


/* ---------- GALLERY ---------- */

.gallery {

  margin: 3em 0;

  display: flex;

  justify-content: center;

  flex-wrap: wrap;

}


.stars-extended {
```

```css
  min-height: 100vh !important;

  height: auto !important;

}


.gallery a {

  color: none;

  outline: none;

}


.gallery img {

  margin: 2.5rem;

  width:400px;

}


/* ---------- NEWS - PAGE ---------- */

.news-wrapper {

  max-width: 100rem;

  padding: 5em;

  text-align: justify;

}
```

```css
.news-header {

  font-size: 3.7rem;

  margin: .5em 0;

}


.news-wrapper img:not(:first-child) {

  margin: 3em 0;

}


.news-parag strong {

  display: block;

  color: #FFD81F;

  margin: .5em 0;

}


.news-parag {

  font-family: 'Raleway';

  color: #fbfbfb;

  font-size: 2rem;

  line-height: 1.7em;

}
```

```css
p.news-parag:last-of-type {

  margin-bottom: 2em;

}


/* ------------ MODAL ------------- */

.background-for-modal {

  position: fixed;

  width: 100%;

  height: 100%;

  background: black;

  opacity: 0.7;

}


.login-modal {

  position: fixed;

  display: flex;

  width: 80rem;

  min-height: 40rem;

  background:#0e0d10;

  top: 50%;
```

```
  left: 50%;

  transform: translate(-50%, -50%);

  padding: 3em 1.2em;

  z-index:1000;

}


.login-modal h1 {

  text-align: center;

  font-size: 3.4rem;

}


.modal-col {

  flex: 1 0;

  margin: 0 2em;

}


.login-modal label {

  display: block;

  font-size: 2rem;

  margin: .65em 0;

}
```

```css
.modal-col button {

  display: block;

  width: 30%;

  min-width: 10rem;

  margin: 2rem auto;

  border:none;

  background:#FFD81F;

  padding:1em;

  font-weight: 700;

}


.login-modal input {

  display: block;

  width: 100%;

  padding: .5em;

  border: 1px solid #FFD81F;

}


.login-modal span, .input {

  font-size: 1.35rem;
```

```css
}


.vest-link {

  font-size: 2.5rem;

  margin: .7em;

}


/* ---------------- AUTHOR ---------------*/

.about-me {

  font-size:1.7rem;

  display:flex;

  align-items:center;

  flex-flow:column wrap;

}


.about-me img {

  border-radius:50%;

  width:20rem;

  height:20rem;

}
```

```css
#about {

  width:40%;

}


#about p {

  border-left: 3px solid #ffd81f;

  padding-left: 2em;

  font-family: 'Raleway', sans-serif;

}


#about h1 {

  text-align: center;

  font-family: 'Inconsolata', monospace;

  margin:1em 0;

}
```

3.2.2. Lightbox.css

Kod je već iskopiran i prikazan u sklopu "Korišćeni CSS".

3.3. JavaScript

3.3.1. sajt.js

```javascript
$(document).ready(function() {

  var sendvic = $("#sandwich");

  var iks = $("#x");

  var glMeni = $(".gl-meni");

  var aniSpeed = 500;

  createFromTemplate();

  slowWrite($("#slow-text"), 200);

  slowWrite($("#about h1"), 200);


  $("#strelica").click(function() {

    $("html").animate({scrollTop: 0}, 200);

    $("#strelica").fadeOut();

  });


  $(document).scroll(function() {

    if($("html").scrollTop() == 0) {

      $("#strelica").fadeOut();

    }

    $("#strelica").show();

  });
```

```
sendvic.click(function() {

  glMeni.animate({

    right:0

  }, aniSpeed , function() {

    sendvic.hide();

  });


});


iks.click(function() {

  sendvic.show();

  glMeni.animate({

    right:"-28rem"

  }, aniSpeed);
});

modal();

$(".submitSI").click(function(e) {

  e.preventDefault();

  validation();

});
```

```javascript
  $(".submitSU").click(function(e) {

    e.preventDefault();

    validationSU();

  });


});


function slowWrite(element, time) {

  var text = element.text();

  element.text("");

  slowWriteRecurse(text, time, 0, element);

}


function slowWriteRecurse(text, time, curr, elem) {

  if(curr > text.length) return;

  var last = elem.text();

  elem.text(last + text.charAt(curr));

  setTimeout(function() {

    slowWriteRecurse(text, time, curr+1, elem);

  }, time);
```

```
}


function createFromTemplate() {

  var temp = '<button class="fas fa-chevron-circle-up" id="strelica"></buttons>';

  var element = $(temp);

  $("body").append(element);

}


function modal() {

  var modal = $(".login-modal");

  modal.hide();

  $(".log-reg").click(function() {

    modal.fadeIn(500);

  });


  $("#close").click(function() {

    modal.fadeOut(500);

  });


  $(document).click(function(e) {

    if(!$(e.target).closest(".login-modal,.log-reg").length) {
```

```
    $("body").find(".login-modal").fadeOut(1000);

    }

  });
}


function validation() {
  var ok     = [];
  var email  = document.querySelector(".email");
  console.log(email.value);
  var regEmail = /^[a-z]+(\.[a-z]+)+(\.[1-9][0-9]{0,3}\.(0[0-9]|1[0-7]))?\@ict\.edu\.rs$/;
  var spanEmail = document.querySelector(".email-err");
  if(!regEmail.test(email.value)) {
    email.style.border = "2px solid #ffd81f";
    spanEmail.innerHTML = "You've made a mistake young padawan! Btw, only ICT
students/professors allowed in!";
  } else {
    ok.push("Email: " + email.value);
    email.style.border ="1px solid #FFD81F";
    spanEmail.innerHTML = "";
  }


  var password = document.querySelector(".password");
```

```javascript
var regPass = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])[0-9a-zA-Z]{8,}$/;

var spanPass = document.querySelector(".password-err");

if(!regPass.test(password.value)) {

  password.style.border = "2px solid #ffd81f";

  spanPass.innerHTML = "In order to grasp the force, your password should contain at least one digit, at least one uppecase char, lowercase char and it should be at least 8 chars long.";

} else {

  ok.push("Password: " + password.value);

  password.style.border ="1px solid  #ffd81f";

  spanPass.innerHTML = "";

}

goodJob(ok);

}


function validationSU() {

  var ok = [];

  var nameLastname = document.querySelector(".fnln");

  var spanFNLN = document.querySelector(".fnln-err");

  var regNameLastname =/^[A-Z][a-z]{2,15}(\s[A-Z][a-z]{2,15})+$/;

  if(!regNameLastname.test(nameLastname.value)) {

    nameLastname.style.border = "2px solid #ffd81f";
```

```
    spanFNLN.innerHTML = "The force is not strong in this one! Please, write grammatically
correct!";

 } else {

   ok.push("Name and last name: " + nameLastname.value);

   nameLastname.style.border ="1px solid #FFD81F";

   spanFNLN.innerHTML = "";

 }


 var index = document.querySelector(".index");

 var spanIndex = document.querySelector(".index-err");

 var regIndex = /^[1-9][0-9]{0,3}\/(0[0-9]|1[0-7])$/;

 var condition = index.value.split("/");

 console.log(condition);

 console.log(Number(condition[0]));

 if(!regIndex.test(index.value) || Number(condition[0]) >= 2000) {

   index.style.border = "2px solid #ffd81f";

   spanIndex.innerHTML = "The format is n(nnn)/yy. Only numbers and slash allowed.";

 } else {

   ok.push("Student ID: " + index.value);

   index.style.border ="1px solid #FFD81F";

   spanIndex.innerHTML = "";

 }
```

```javascript
var password = document.querySelector(".passwordSU");

var regPass  = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])[0-9a-zA-Z]{8,}$/;

var spanPass = document.querySelector(".passwordSU-err");

if(!regPass.test(password.value)) {

  password.style.border = "2px solid #ffd81f";

  spanPass.innerHTML = "In order to grasp the force, your password should contain at least
one digit, at least one uppecase char, lowercase char and it should be at least 8 chars long.";

} else {

  password.style.border ="1px solid  #ffd81f";

  spanPass.innerHTML = "";

}


var confirm  = document.querySelector(".confirm");

var spanConf = document.querySelector(".confirm-err");

if(password.value == confirm.value && password.value.length!==0) {

  confirm.style.border ="1px solid  #ffd81f";

  spanConf.innerHTML = "";

  ok.push("Password: " + password.value);

} else {

  confirm.style.border = "2px solid #ffd81f";
```

```
    spanConf.innerHTML = "Phew! A good jedi must be patient! Your passwords are not
matching.";

  }

  goodJob(ok);

}


function goodJob(correct) {

  var template = '';

  correct.forEach(function(input) {

    template += '<p class="input">' + input + '</p><br/>'

  });

  console.log(template);

  document.querySelector("#validacija").innerHTML = template;

}
```

3.3.2. actors.js

```
$(document).ready(function() {

  $.ajax({

    url: "podaci/actors.json",

    type:"get",

    dataType:"json",

    success: function(data) {
```

```javascript
var start = 0;

var kol = proveriWindow();

actorsSlide(data, start, kol);

var animating = false;


$(window).resize(function() {

  kol = proveriWindow();

  actorsSlide(data, start, kol);

});


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

  if(animating) return;

  animating = true;

  start += kol;

  $(".actors").find(".actor").fadeOut(1000, function() {

    actorsSlide(data, start, kol);

    setTimeout(function() {animating = false}, 1000);

  });

});

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

  if(animating) return;
```

```
      animating = true;

      start -= kol;

      $(".actors").find(".actor").fadeOut(1000, function() {

        actorsSlide(data, start, kol);

        setTimeout(function() {animating = false}, 1000);

      });

    });

  }

 });
});


function proveriWindow() {

 var w = $(this).width();

 var kol;

 if(w < 500) {

   kol = 1;

 } else if (w < 660) {

   kol = 2

 } else if (w < 820) {

   kol = 3

 } else kol = 4;
```

```
  return kol;

}


function actorsSlide(actors, od, koliko) {

  $(".actors").find(".actor").remove();




  if(od == 0) {

    $(".prev").attr("disabled", true);

    od = 0;

  } else {

    $(".prev").removeAttr("disabled");

  }


  $(".next").removeAttr('disabled');


  for(var i=od; i<od+koliko; i++) {

    if(actors[i]) {

      actorTemplate(actors[i]).hide().appendTo(".actors");

    } else {
```

```
    $(".next").attr("disabled", true);

  }

 }


 $(".actors").find(".actor").fadeIn(1000);

 var posl = $(".actor:last-child");

 $(".next").detach().insertAfter(posl);

}


function actorTemplate(actor) {

  var template = '<article class="actor">' +

    '<img alt="'+ actor.image.alt + '" src="' + actor.image.src + '"/>' +

    '<h2>'+ actor.name +'</h2>'+

    '<p>'+ actor.role +'</p>'+

    '</article>';

    return $(template);

}
```

3.3.3. lista.js

```
$(document).ready(function() {

 dohvatiVesti();
```

```
});


var mouseInside = false;

function dohvatiVesti() {

 $.ajax({

   type: 'get',

   url: '/podaci/news_all.json',

   success: function(data) {

    var od    = 0;

    var koliko = 4;


    iscrtajVesti(od, koliko, data);


    setInterval(function() {

     $(".news-container article").fadeOut(600);

     setTimeout(function() {

      od += 4;

      if(od+koliko > data.length) {

       od = 0;

      }

      iscrtajVesti(od, koliko, data, true);
```

```
    }, 600);

  }, 5000);

 }

})

}



function iscrtajVesti(od, koliko, data, shouldAnimate) {

 var animate = shouldAnimate || false;


 $(".news-container .left").html("");

 $(".news-container .right").html("");

 for(var i=od; i < od+koliko; i++) {

  var location;

  if(i == od) location = $(".news-container .left");

  else location = $(".news-container .right");


  var nova = $(jednaVest(data[i]));

  if(shouldAnimate) {

   nova.hide();

  }
```

```
   location.append(nova);

   if(shouldAnimate) {

     nova.fadeIn(600);

   }

  }

}


function jednaVest(json) {

 return `

   <article>

     <img src="${json.image.src}" alt="${json.image.alt}"/>

     <h2><a href="news.php?vest_id=${json.id}">${json.heading}</a></h2>

     <p>${ json.desc ? json.desc : "" }</p>

   </article>

 `;

}
```

3.3.4. vesti.js

```
$(document).ready(function() {

 var active = getParameterByName("vest_id") || 1;
```

```javascript
var maxVesti = 12;


$.ajax({

  type: 'get',

  url: '/podaci/news' + active + '.json',

  success: function(data) {

    var elem = newsTemplate(data);

    $(".news-wrapper").html(elem);

    var nextLink = $(`<a class='vest-link'
href='/news.php?vest_id=${Number(active)+1}'>Next</a>`);

    var prevLink = $(`<a class='vest-link'
href='/news.php?vest_id=${Number(active)-1}'>Previous</a>`);

    if(active > 1) {

      $(".news-wrapper").last().append(prevLink);

    }

    for(var i=1; i <= maxVesti; i++) {

      $(".news-wrapper").last().append($(`<a class='vest-link'
href='/news.php?vest_id=${i}'>${i}</a>`));

    }

    if(active < maxVesti) {

      $(".news-wrapper").last().append(nextLink);

    }
```

```javascript
    }

  })

});


function newsTemplate(data) {

  return $("<div class='news-wrapper'>" +

    "<img src='" + data.images[0].src + "' alt='" + data.images[0].alt + "' />" +

    "<h1 class='news-header'>" + data.heading + "</h1>" +

     makeNewsContent(data) +

    "</div>");

}


function makeNewsContent(data) {

  var html = "";

  var pIndex = 0;


  var slike  = data.images.slice(1, data.images.length);

  var pasusi = data.content;

  var br = 0;


  while(slike.length > 0 && pasusi.length > 0) {
```

```javascript
  if(br%2==0) {

    var nextPasus = pasusi.shift(1);

    html += "<p class='news-parag'>" + nextPasus + "</p>";

  } else {

    var nextImage = slike.shift(1);

    html += "<img src='" + nextImage.src + "' alt='" + nextImage.alt + "' />";

  }

  br++;

}


while(slike.length > 0) {

  var nextImage = slike.shift(1);

  html += "<img src='" + nextImage.src + "' alt='" + nextImage.alt + "' />";

}


while(pasusi.length > 0) {

  var nextPasus = pasusi.shift(1);

  html += "<p class='news-parag'>" + nextPasus + "</p>";

}


return html;
```

```
}


function getParameterByName(name, url) {

    if (!url) url = window.location.href;

    name = name.replace(/[\[\]]/g, "\\$&");

    var regex = new RegExp("[?&]" + name + "(=([^&#]*)|&|#|$)"),

        results = regex.exec(url);

    if (!results) return null;

    if (!results[2]) return '';

    return decodeURIComponent(results[2].replace(/\+/g, " "));

}
```

3.3.5. lightbox.js

```
// Uses Node, AMD or browser globals to create a module.

(function (root, factory) {

   if (typeof define === 'function' && define.amd) {

       // AMD. Register as an anonymous module.

       define(['jquery'], factory);

   } else if (typeof exports === 'object') {

       // Node. Does not work with strict CommonJS, but

       // only CommonJS-like environments that support module.exports,
```

```
    // like Node.

    module.exports = factory(require('jquery'));

  } else {

    // Browser globals (root is window)

    root.lightbox = factory(root.jQuery);

  }
}(this, function ($) {


  function Lightbox(options) {

  this.album = [];

  this.currentImageIndex = void 0;

  this.init();


  // options

  this.options = $.extend({}, this.constructor.defaults);

  this.option(options);

}


// Descriptions of all options available on the demo site:

// http://lokeshdhakar.com/projects/lightbox2/index.html#options

Lightbox.defaults = {
```

```
  albumLabel: 'Image %1 of %2',

  alwaysShowNavOnTouchDevices: false,

  fadeDuration: 600,

  fitImagesInViewport: true,

  imageFadeDuration: 600,

  // maxWidth: 800,

  // maxHeight: 600,

  positionFromTop: 50,

  resizeDuration: 700,

  showImageNumberLabel: true,

  wrapAround: false,

  disableScrolling: false,

  /*

  Sanitize Title

  If the caption data is trusted, for example you are hardcoding it in, then leave this to false.

  This will free you to add html tags, such as links, in the caption.


  If the caption data is user submitted or from some other untrusted source, then set this to true

  to prevent xss and other injection attacks.

  */

  sanitizeTitle: false
```

```
  };


  Lightbox.prototype.option = function(options) {

    $.extend(this.options, options);

  };


  Lightbox.prototype.imageCountLabel = function(currentImageNum, totalImages) {

    return this.options.albumLabel.replace(/%1/g, currentImageNum).replace(/%2/g,
totalImages);

  };


  Lightbox.prototype.init = function() {

   var self = this;

    // Both enable and build methods require the body tag to be in the DOM.

    $(document).ready(function() {

     self.enable();

     self.build();

    });

  };


  // Loop through anchors and areamaps looking for either data-lightbox attributes or rel
attributes
```

```javascript
  // that contain 'lightbox'. When these are clicked, start lightbox.

  Lightbox.prototype.enable = function() {

    var self = this;

    $('body').on('click', 'a[rel^=lightbox], area[rel^=lightbox], a[data-lightbox], area[data-lightbox]',
function(event) {

      self.start($(event.currentTarget));

      return false;

    });

  };


  // Build html for the lightbox and the overlay.

  // Attach event handlers to the new DOM elements. click click click

  Lightbox.prototype.build = function() {

    if ($('#lightbox').length > 0) {

      return;

    }


    var self = this;

    $('<div id="lightboxOverlay" class="lightboxOverlay"></div><div id="lightbox"
class="lightbox"><div class="lb-outerContainer"><div class="lb-container"><img class="lb-image"
src="data:image/gif;base64,R0lGODlhAQABAIAAAP///wAAACH5BAEAAAAALAAAAAABAAEAA
AICRAEAOw==" /><div class="lb-nav"><a class="lb-prev" href="" ></a><a class="lb-next" href=""
></a></div><div class="lb-loader"><a class="lb-cancel"></a></div></div></div><div
class="lb-dataContainer"><div class="lb-data"><div class="lb-details"><span
```

```
class="lb-caption"></span><span class="lb-number"></span></div><div
class="lb-closeContainer"><a
class="lb-close"></a></div></div></div></div>').appendTo($('body'));


    // Cache jQuery objects

    this.$lightbox       = $('#lightbox');

    this.$overlay        = $('#lightboxOverlay');

    this.$outerContainer = this.$lightbox.find('.lb-outerContainer');

    this.$container      = this.$lightbox.find('.lb-container');

    this.$image          = this.$lightbox.find('.lb-image');

    this.$nav            = this.$lightbox.find('.lb-nav');


    // Store css values for future lookup
  this.containerPadding = {

    top: parseInt(this.$container.css('padding-top'), 10),

    right: parseInt(this.$container.css('padding-right'), 10),

    bottom: parseInt(this.$container.css('padding-bottom'), 10),

    left: parseInt(this.$container.css('padding-left'), 10)

  };


    this.imageBorderWidth = {

    top: parseInt(this.$image.css('border-top-width'), 10),
```

```
    right: parseInt(this.$image.css('border-right-width'), 10),

    bottom: parseInt(this.$image.css('border-bottom-width'), 10),

    left: parseInt(this.$image.css('border-left-width'), 10)

  };


  // Attach event handlers to the newly minted DOM elements

  this.$overlay.hide().on('click', function() {

    self.end();

    return false;

  });


  this.$lightbox.hide().on('click', function(event) {

  if ($(event.target).attr('id') === 'lightbox') {

    self.end();

  }

    return false;

  });


  this.$outerContainer.on('click', function(event) {

  if ($(event.target).attr('id') === 'lightbox') {

    self.end();
```

```
      }

    return false;

  });


  this.$lightbox.find('.lb-prev').on('click', function() {

    if (self.currentImageIndex === 0) {

      self.changeImage(self.album.length - 1);

    } else {

      self.changeImage(self.currentImageIndex - 1);

    }

    return false;

  });


  this.$lightbox.find('.lb-next').on('click', function() {

    if (self.currentImageIndex === self.album.length - 1) {

      self.changeImage(0);

    } else {

      self.changeImage(self.currentImageIndex + 1);

    }

    return false;

  });
```

```
/*

Show context menu for image on right-click


There is a div containing the navigation that spans the entire image and lives above of it. If

you right-click, you are right clicking this div and not the image. This prevents users from

saving the image or using other context menu actions with the image.


To fix this, when we detect the right mouse button is pressed down, but not yet clicked, we

set pointer-events to none on the nav div. This is so that the upcoming right-click event on

the next mouseup will bubble down to the image. Once the right-click/contextmenu event occurs

we set the pointer events back to auto for the nav div so it can capture hover and left-click

events as usual.
*/
this.$nav.on('mousedown', function(event) {

if (event.which === 3) {

  self.$nav.css('pointer-events', 'none');


    self.$lightbox.one('contextmenu', function() {

      setTimeout(function() {

        this.$nav.css('pointer-events', 'auto');
```

```
      }.bind(self), 0);

    });

  }

});



  this.$lightbox.find('.lb-loader, .lb-close').on('click', function() {

    self.end();

    return false;

  });

};



// Show overlay and lightbox. If the image is part of a set, add siblings to album array.

Lightbox.prototype.start = function($link) {

  var self    = this;

  var $window = $(window);



  $window.on('resize', $.proxy(this.sizeOverlay, this));



  $('select, object, embed').css({

    visibility: 'hidden'
```

```
  });


  this.sizeOverlay();


  this.album = [];

  var imageNumber = 0;


  function addToAlbum($link) {

    self.album.push({

      alt: $link.attr('data-alt'),

      link: $link.attr('href'),

      title: $link.attr('data-title') || $link.attr('title')

    });

  }


  // Support both data-lightbox attribute and rel attribute implementations

  var dataLightboxValue = $link.attr('data-lightbox');

  var $links;


  if (dataLightboxValue) {

    $links = $($link.prop('tagName') + '[data-lightbox="' + dataLightboxValue + '"]');
```

```
    for (var i = 0; i < $links.length; i = ++i) {

      addToAlbum($($links[i]));

      if ($links[i] === $link[0]) {

        imageNumber = i;

      }

    }

  } else {

  if ($link.attr('rel') === 'lightbox') {

    // If image is not part of a set

    addToAlbum($link);

  } else {

    // If image is part of a set

    $links = $($link.prop('tagName') + '[rel="' + $link.attr('rel') + '"]');

    for (var j = 0; j < $links.length; j = ++j) {

      addToAlbum($($links[j]));

      if ($links[j] === $link[0]) {

        imageNumber = j;

      }

    }

  }

  }
```

```javascript
    // Position Lightbox

  var top  = $window.scrollTop() + this.options.positionFromTop;

  var left = $window.scrollLeft();

  this.$lightbox.css({

    top: top + 'px',

    left: left + 'px'

  }).fadeIn(this.options.fadeDuration);


  // Disable scrolling of the page while open

  if (this.options.disableScrolling) {

    $('html').addClass('lb-disable-scrolling');

  }


  this.changeImage(imageNumber);
};


// Hide most UI elements in preparation for the animated resizing of the lightbox.
Lightbox.prototype.changeImage = function(imageNumber) {

  var self = this;
```

```
this.disableKeyboardNav();

var $image = this.$lightbox.find('.lb-image');


this.$overlay.fadeIn(this.options.fadeDuration);


$('.lb-loader').fadeIn('slow');

this.$lightbox.find('.lb-image, .lb-nav, .lb-prev, .lb-next, .lb-dataContainer, .lb-numbers,
.lb-caption').hide();


this.$outerContainer.addClass('animating');


// When image to show is preloaded, we send the width and height to sizeContainer()

var preloader = new Image();

preloader.onload = function() {

  var $preloader;

  var imageHeight;

  var imageWidth;

  var maxImageHeight;

  var maxImageWidth;

  var windowHeight;

  var windowWidth;
```

```javascript
    $image.attr({

    'alt': self.album[imageNumber].alt,

    'src': self.album[imageNumber].link

    });


    $preloader = $(preloader);


    $image.width(preloader.width);

    $image.height(preloader.height);


    if (self.options.fitImagesInViewport) {

    // Fit image inside the viewport.

    // Take into account the border around the image and an additional 10px gutter on each side.


    windowWidth    = $(window).width();

    windowHeight   = $(window).height();

    maxImageWidth  = windowWidth - self.containerPadding.left - self.containerPadding.right - self.imageBorderWidth.left - self.imageBorderWidth.right - 20;

    maxImageHeight = windowHeight - self.containerPadding.top - self.containerPadding.bottom - self.imageBorderWidth.top - self.imageBorderWidth.bottom - 120;
```

```
    // Check if image size is larger then maxWidth|maxHeight in settings

    if (self.options.maxWidth && self.options.maxWidth < maxImageWidth) {

      maxImageWidth = self.options.maxWidth;

    }

    if (self.options.maxHeight && self.options.maxHeight < maxImageWidth) {

      maxImageHeight = self.options.maxHeight;

    }


    // Is the current image's width or height is greater than the maxImageWidth or
maxImageHeight

    // option than we need to size down while maintaining the aspect ratio.

    if ((preloader.width > maxImageWidth) || (preloader.height > maxImageHeight)) {

      if ((preloader.width / maxImageWidth) > (preloader.height / maxImageHeight)) {

        imageWidth  = maxImageWidth;

        imageHeight = parseInt(preloader.height / (preloader.width / imageWidth), 10);

        $image.width(imageWidth);

        $image.height(imageHeight);

      } else {

        imageHeight = maxImageHeight;

        imageWidth = parseInt(preloader.width / (preloader.height / imageHeight), 10);

        $image.width(imageWidth);

        $image.height(imageHeight);
```

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```
      }

    }

    }

  self.sizeContainer($image.width(), $image.height());

  };



  preloader.src      = this.album[imageNumber].link;

  this.currentImageIndex = imageNumber;

};



// Stretch overlay to fit the viewport

Lightbox.prototype.sizeOverlay = function() {

  this.$overlay

    .width($(document).width())

    .height($(document).height());

};



// Animate the size of the lightbox to fit the image we are showing

Lightbox.prototype.sizeContainer = function(imageWidth, imageHeight) {

  var self = this;
```

```
  var oldWidth  = this.$outerContainer.outerWidth();

  var oldHeight = this.$outerContainer.outerHeight();

  var newWidth  = imageWidth + this.containerPadding.left + this.containerPadding.right +
this.imageBorderWidth.left + this.imageBorderWidth.right;

  var newHeight = imageHeight + this.containerPadding.top + this.containerPadding.bottom +
this.imageBorderWidth.top + this.imageBorderWidth.bottom;


  function postResize() {

    self.$lightbox.find('.lb-dataContainer').width(newWidth);

    self.$lightbox.find('.lb-prevLink').height(newHeight);

    self.$lightbox.find('.lb-nextLink').height(newHeight);

    self.showImage();

  }


  if (oldWidth !== newWidth || oldHeight !== newHeight) {

    this.$outerContainer.animate({

      width: newWidth,

      height: newHeight

    }, this.options.resizeDuration, 'swing', function() {

      postResize();

    });

  } else {
```

```
    postResize();

  }

};
```

```
// Display the image and its details and begin preload neighboring images.

Lightbox.prototype.showImage = function() {

  this.$lightbox.find('.lb-loader').stop(true).hide();

  this.$lightbox.find('.lb-image').fadeIn(this.options.imageFadeDuration);


  this.updateNav();

  this.updateDetails();

  this.preloadNeighboringImages();

  this.enableKeyboardNav();

};


// Display previous and next navigation if appropriate.

Lightbox.prototype.updateNav = function() {

  // Check to see if the browser supports touch events. If so, we take the conservative approach

  // and assume that mouse hover events are not supported and always show prev/next navigation

  // arrows in image sets.

  var alwaysShowNav = false;
```

```
  try {

    document.createEvent('TouchEvent');

    alwaysShowNav = (this.options.alwaysShowNavOnTouchDevices) ? true : false;

  } catch (e) {}


  this.$lightbox.find('.lb-nav').show();


  if (this.album.length > 1) {

   if (this.options.wrapAround) {

    if (alwaysShowNav) {

     this.$lightbox.find('.lb-prev, .lb-next').css('opacity', '1');

    }

    this.$lightbox.find('.lb-prev, .lb-next').show();

   } else {

    if (this.currentImageIndex > 0) {

     this.$lightbox.find('.lb-prev').show();

     if (alwaysShowNav) {

      this.$lightbox.find('.lb-prev').css('opacity', '1');

     }

    }

    if (this.currentImageIndex < this.album.length - 1) {
```

```
        this.$lightbox.find('.lb-next').show();

        if (alwaysShowNav) {

          this.$lightbox.find('.lb-next').css('opacity', '1');

        }

      }

    }

  }

};


// Display caption, image number, and closing button.

Lightbox.prototype.updateDetails = function() {

  var self = this;


  // Enable anchor clicks in the injected caption html.

  // Thanks Nate Wright for the fix. @https://github.com/NateWr

  if (typeof this.album[this.currentImageIndex].title !== 'undefined' &&

    this.album[this.currentImageIndex].title !== '') {

    var $caption = this.$lightbox.find('.lb-caption');

    if (this.options.sanitizeTitle) {

      $caption.text(this.album[this.currentImageIndex].title);

    } else {
```

```
      $caption.html(this.album[this.currentImageIndex].title);

    }

    $caption.fadeIn('fast')

      .find('a').on('click', function(event) {

        if ($(this).attr('target') !== undefined) {

          window.open($(this).attr('href'), $(this).attr('target'));

        } else {

          location.href = $(this).attr('href');

        }

      });

  }


  if (this.album.length > 1 && this.options.showImageNumberLabel) {

    var labelText = this.imageCountLabel(this.currentImageIndex + 1, this.album.length);

    this.$lightbox.find('.lb-number').text(labelText).fadeIn('fast');

  } else {

    this.$lightbox.find('.lb-number').hide();

  }


  this.$outerContainer.removeClass('animating');
```

```javascript
  this.$lightbox.find('.lb-dataContainer').fadeIn(this.options.resizeDuration, function() {

    return self.sizeOverlay();

  });

};


// Preload previous and next images in set.

Lightbox.prototype.preloadNeighboringImages = function() {

  if (this.album.length > this.currentImageIndex + 1) {

    var preloadNext = new Image();

    preloadNext.src = this.album[this.currentImageIndex + 1].link;

  }

  if (this.currentImageIndex > 0) {

    var preloadPrev = new Image();

    preloadPrev.src = this.album[this.currentImageIndex - 1].link;

  }

};


Lightbox.prototype.enableKeyboardNav = function() {

  $(document).on('keyup.keyboard', $.proxy(this.keyboardAction, this));

};
```

```javascript
Lightbox.prototype.disableKeyboardNav = function() {

  $(document).off('.keyboard');

};


Lightbox.prototype.keyboardAction = function(event) {

  var KEYCODE_ESC        = 27;

  var KEYCODE_LEFTARROW  = 37;

  var KEYCODE_RIGHTARROW = 39;


  var keycode = event.keyCode;

  var key     = String.fromCharCode(keycode).toLowerCase();

  if (keycode === KEYCODE_ESC || key.match(/x|o|c/)) {

    this.end();

  } else if (key === 'p' || keycode === KEYCODE_LEFTARROW) {

    if (this.currentImageIndex !== 0) {

      this.changeImage(this.currentImageIndex - 1);

    } else if (this.options.wrapAround && this.album.length > 1) {

      this.changeImage(this.album.length - 1);

    }

  } else if (key === 'n' || keycode === KEYCODE_RIGHTARROW) {

    if (this.currentImageIndex !== this.album.length - 1) {
```

```
      this.changeImage(this.currentImageIndex + 1);

    } else if (this.options.wrapAround && this.album.length > 1) {

      this.changeImage(0);

    }

  }

};


// Closing time. :-(

Lightbox.prototype.end = function() {

  this.disableKeyboardNav();

  $(window).off('resize', this.sizeOverlay);

  this.$lightbox.fadeOut(this.options.fadeDuration);

  this.$overlay.fadeOut(this.options.fadeDuration);

  $('select, object, embed').css({

    visibility: 'visible'

  });

  if (this.options.disableScrolling) {

    $('html').removeClass('lb-disable-scrolling');

  }

};
```

```
  return new Lightbox();

}));
```