

Star Wars

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

Smer: Internet tehnologije

Modul: Web programiranje

Predmet: Web programiranje

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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

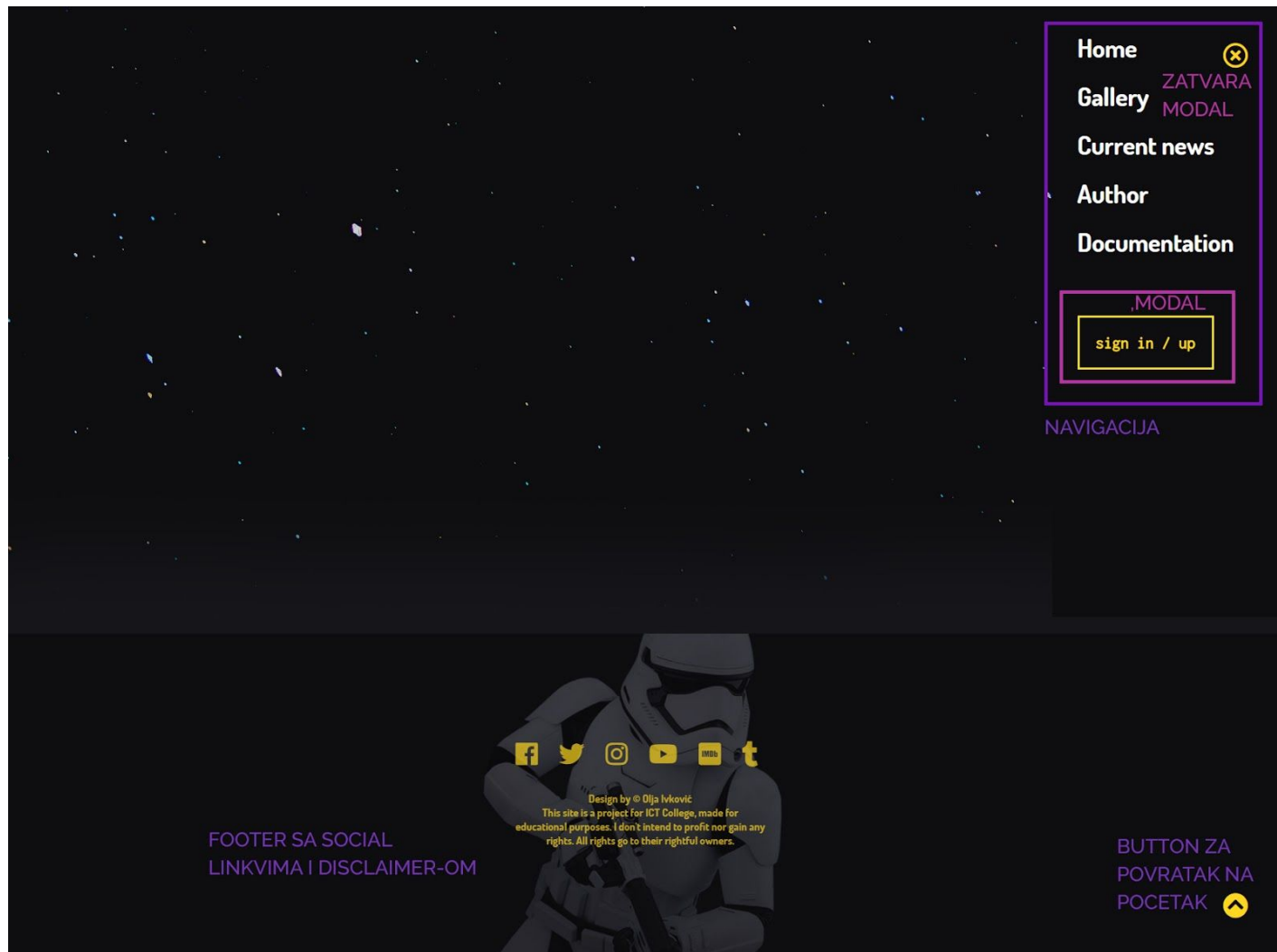
***Zbog Heroku web host-a sve stranice umesto .html ekstenzije imaju ekstenziju .php.**

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>
```

```

<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'>

×

<div class='modal-col'>

<h1>sign in</h1>

<form>

<label>Email</label>

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

<label>Password</label>

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

<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>

```

1.4. Korišćení CSS

lighthbox.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;
}

```

```
}
```

```
.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;
```



```
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;
```

```
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%;
```

```
width: 100%;  
z-index: 10;  
}
```

```
.lb-container > .nav {  
  left: 0;  
}
```

```
.lb-nav a {  
  outline: none;  
  background-image:  
  url('data:image/gif;base64,R0lGODlhAQABAAAP///wAAACH5BAEAAAAALAAAAABAAEAAA  
ICRAEOw==');  
}
```

```
.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);
```

```
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;
```

```
}
```

```
.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;
```

```
}
```

```
.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;
}

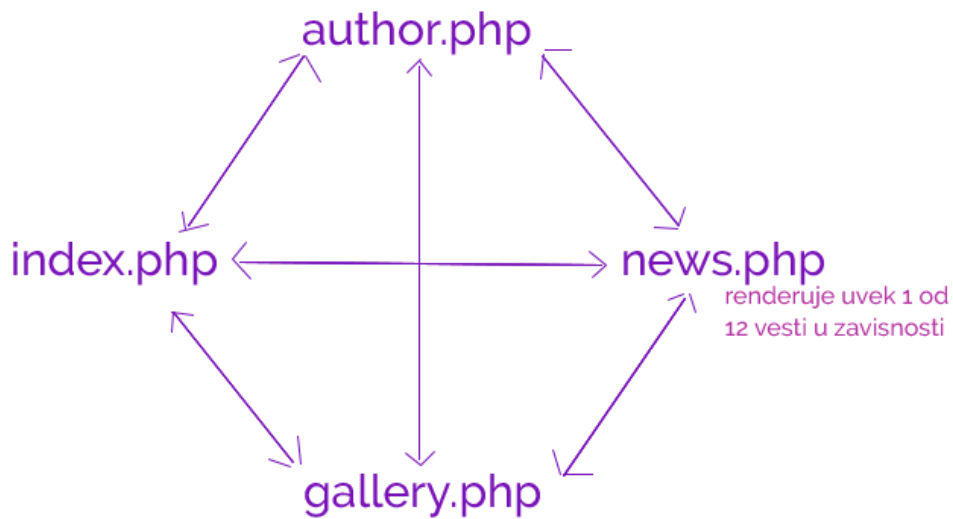
.lb-data .lb-close:hover {
  cursor: pointer;
  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=100);
  opacity: 1;}

```

Organizacija

2.1. Organizaciona šema

NAVIGACIONI MENI



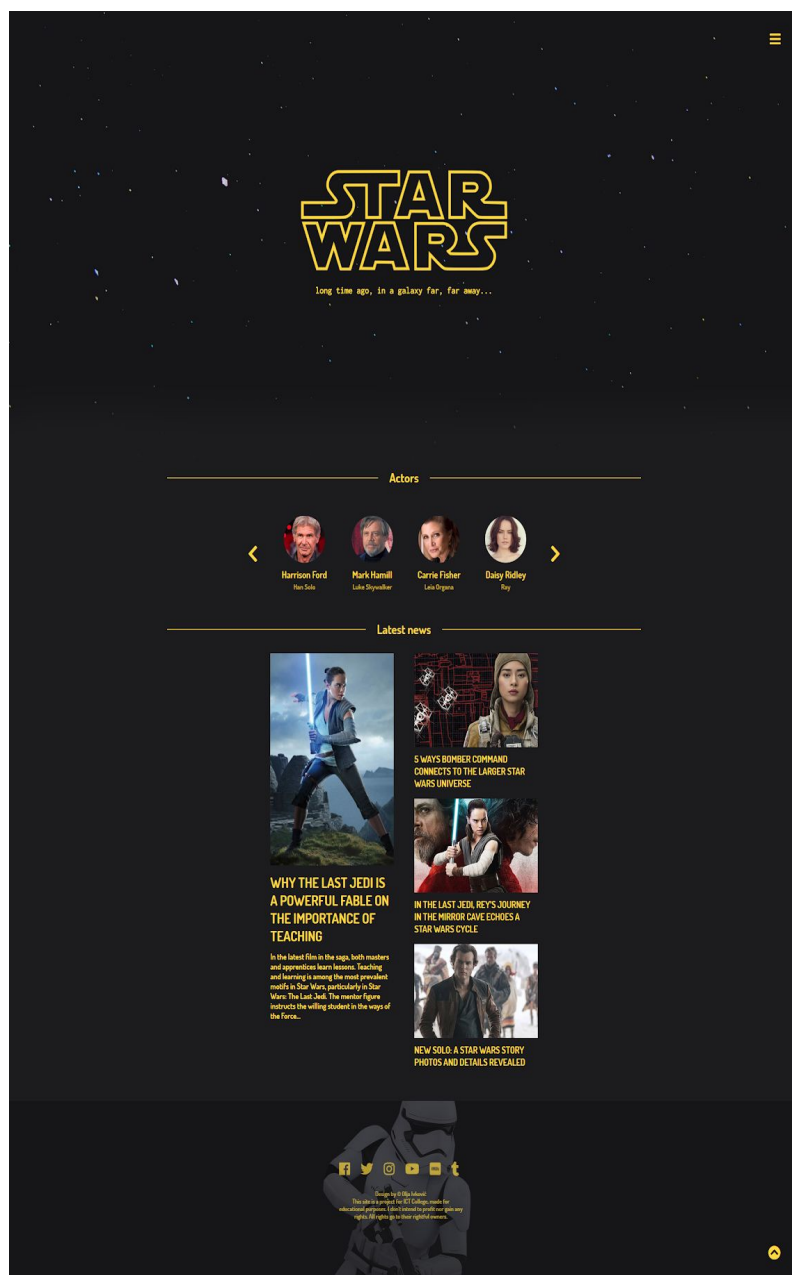
2.2. Sitemap

```
<?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>
```



```
<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 dohvatila 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.

The screenshot displays a web interface with two main forms: 'sign in' and 'sign up'. The 'sign in' form on the left includes an 'Email' field with a feedback message: 'You've made a mistake young padawan! Btw, only ICT students/professors allowed in!', and a 'Password' field with a requirement message: 'In order to grasp the force, your password should contain at least one digit, at least one uppercase char, lowercase char and it should be at least 8 chars long.' Below these is a 'Sign in' button. The 'sign up' form on the right includes fields for 'Name and lastname' (filled with 'Olja Ivkovic'), 'Student ID' (filled with '34/16'), 'Password', and 'Password Confirmation'. It also features a 'Sign up' button. A navigation menu on the right side contains links for 'Home', 'Gallery', 'Current news', 'Author', and 'Documentation'. A 'sign in / up' button is located at the bottom right of the menu area.

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 bilo 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;

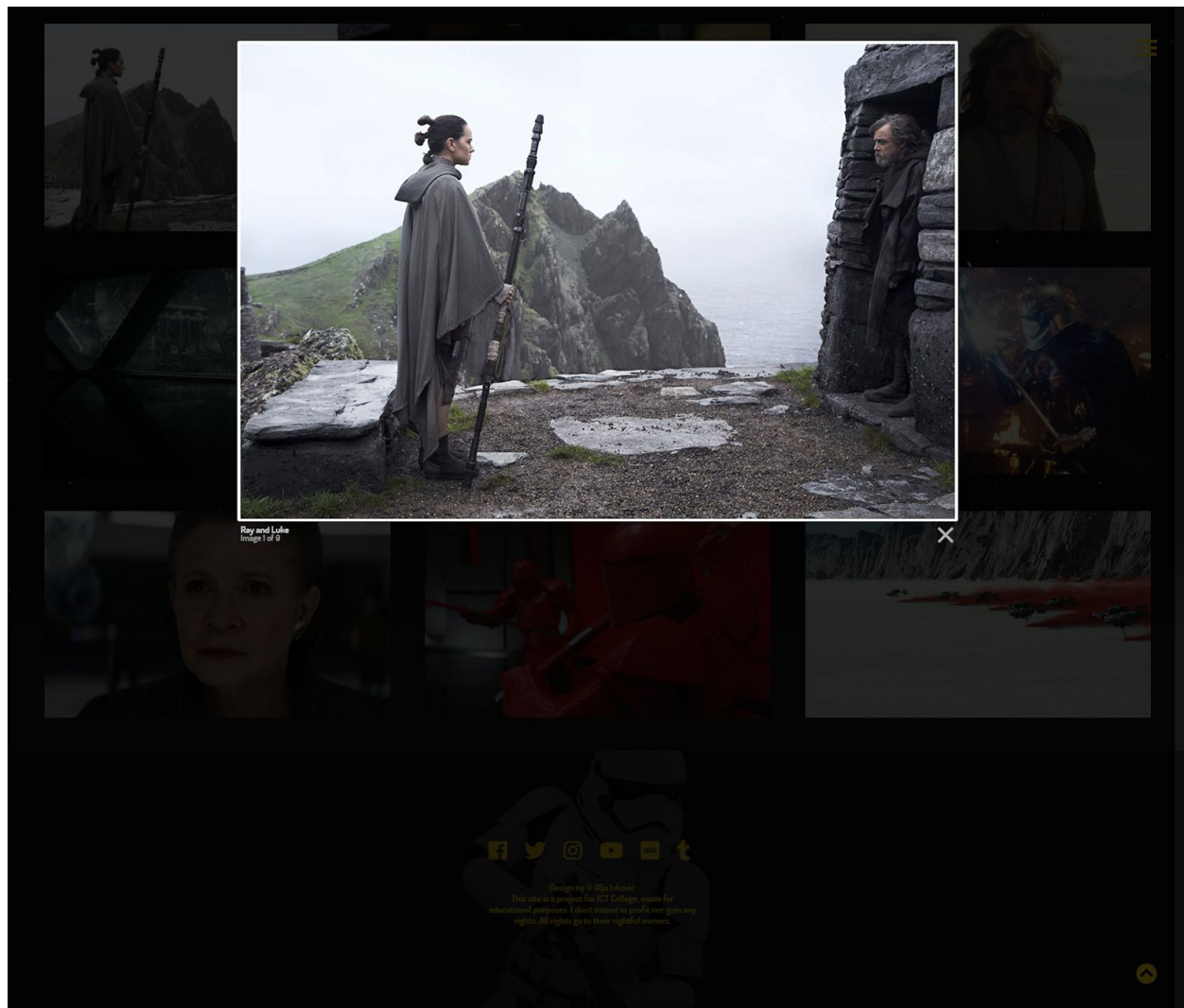
Za student ID proverava da li je format "index / godina" (dozvoljeni i indexi za master studije (do 2000/17))

- 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. U JSON-u se nalaze pasusi, putanje do slika i alt atributi. Svaka vest ponaosob ima svoj JSON fajl u kome su slike i pasusi.