Висока школа струковних студија за информационе и комуникационе технологије

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Документација

За сајт: http://homp.byethost11.com

Смер: Интернет технологије

Модул: Веб програмирање

Предмет: Веб програмирање

Београд, март 2016. године

Садржај

1. Увод

1.1.   Коришћени програмски језици

За израду сајта коришћени су следећи језици:

HTML, CSS, XML, XSL, AJAX, JavaScript, JQuery и његови plugin-ови.

1.2.   Опис функционалности

Сајт поседује следеће функционалности:

Навигација међу странама сајта урађеног у One-page design стилу, омгоућена је помоћу JQuery-ja, који на основу изабраног линка из главног менија и падајућег менија "More..", наизменично слајдује и жељену страну.

Падајући мени који се налази у склопу главног менија урађен помоћу JQuery-ja. Оба менија се налазе на свим странама сајта.

Hover ефекат на Home страни кликом на Explore div који слајдује на прву секцију, урађен је помоћу JQuery-ja.

Проверавање исправности података анкете на Comment страни урађено помоћу JavaScript-а и регуларних израза.

Приказ резултата анкете на Comment страни урађен помоћу унапред направљеног и попуњеног XML фајла, и JavaScript-а који те податке чита и приказује на страни у посебном div-у.

Галерија слика на страни "gallery" урађена је помоћу JQuery plugin-a LightBox.

Стилизован RSS и Sitemap преко XLST-а се налази у футеру сваке странице.

1.3.   Template

1.3.1. Home Template


```
<div id='meni'>

<ul>

    <li class='active' data-link="#tohome">Home</li>

    <li class='' data-link="#tosecond">Old</li>

        <li class='' data-link="#tothird">Modern</li>

    <li class='' data-link="#tofourth">Smart</li>

        <li class='padajucimeni' ><a href='' onClick="return
false;">More..</a>

        <ul>

            <li data-link="#tofifth">About me</li>
```

```html
                    <li><a href='gallery.html'>Gallery</a></li>
                    <li class='last' data-link="#tofooter">Documentation</li>
                </ul>
            </li>
            <li class='last' id="logindugme"><a
href='comments.html'>Comment</a></li>
        </ul>
    </div>


    <section id="tohome">
        <div id="first">
            <div class="wrapper-prvi">
            <h1>MobilePhone History</h1>
            <div class="expBtn" data-link="#tosecond">EXPLORE ▼</div>
            </div>
        </div>
    </section>
```

1.3.2. Section's Template (Old, Modern, Smart)

————	secondsection
————	img
————	meni
————	second-text
————	span

```
<section id="tosecond">
            <div  id="second">
                    <img src="img/Mobile-icon.png">
                    <div class="second-text"><span>Old mobile
phone</span></br></br><p>Prior to 1973, mobile telephony was limited to phones installed in cars
and other vehicles. Motorola was the first company to produce a handheld mobile phone. On 3 April
1973 when Martin Cooper, a Motorola researcher and executive, made the first mobile telephone
call from handheld subscriber equipment, placing a call to Dr. Joel S. Engel of Bell Labs. The prototype
handheld phone used by Dr. Cooper weighed 1.1 kg and measured 23 cm long, 13 cm deep and 4.45
cm wide. The prototype offered a talk time of just 30 minutes and took 10 hours to re-
charge.</p></div>
            </div>
    </section
```
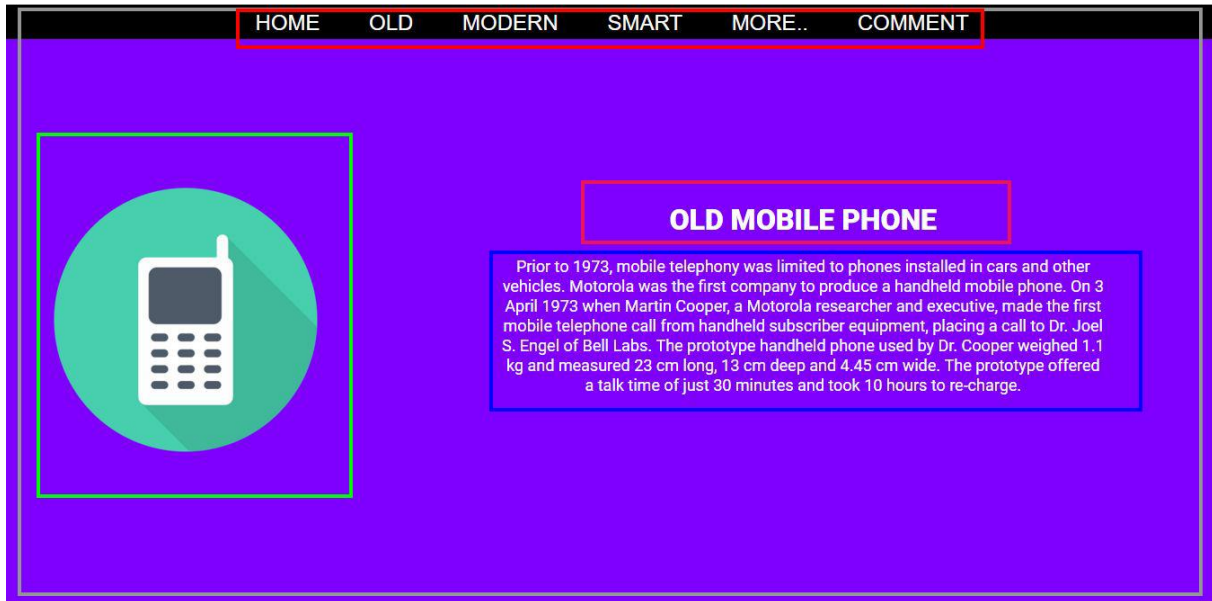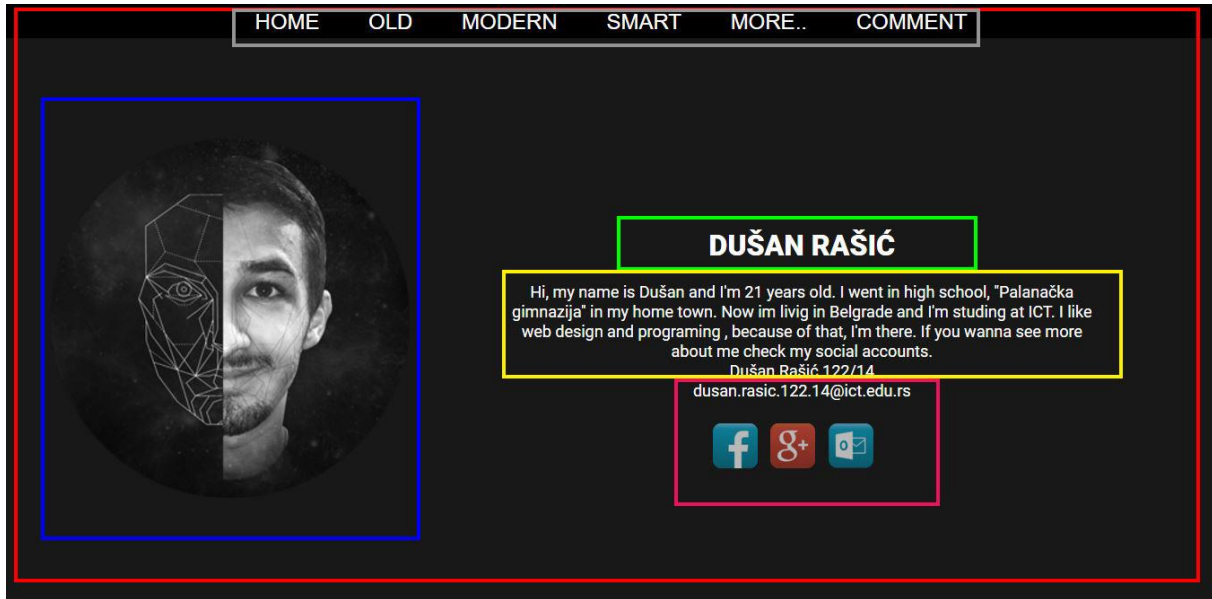
1.3.3. About Me Template


```
<section id="tofifth">

        <div id="fifth">

                <img src="img/DSC_0013.png">

                <div class="fifth-text"><span>Dušan
Rašić</span></br></br><p>Hi, my name is Dušan and I'm 21 years old. I went in
high school, "Palanačka gimnazija" in my home town. Now im livig in Belgrade
and I'm studing at ICT. I like web design and programing , because of that, I'm
there. If you wanna see more about me check my social accounts.</br>Dušan
Rašić 122/14</br>

                <a
href="mailto:dusan.rasic.122.14@ict.edu.rs">dusan.rasic.122.14@ict.edu.rs</a><
/p>

                <div class="contact-icons">

                        <ul>
```

```html
					<li><a
href="https://www.facebook.com/DusanRasic1995"><img
src="img/Facebook.png"></a></li>

					<li><a
href="https://plus.google.com/u/0/+%D0%94%D1%83%D1%88%D0%B0%D0%B
D%D0%A0%D0%B0%D1%88%D0%B8%D1%9B"><img
src="img/GooglePlus.png"></a></li>

					<li><a href="mailto:duki95@outlook.com"><img
src="img/Outlook.png"></a></li>

				</ul>

			</div>

			</div>


		</div>

	</section>
```

1.3.4. Gallery Template

<!DOCTYPE html>

<html>

<head>

        <title>Gallery</title>

        <!-- CSS LightBox-->

        <link rel="stylesheet" type="text/css" href="lightbox2-master\src\css\lightbox.css">

        <!-- CSS -->

            <link rel="stylesheet" type="text/css" href="style.css"/>

            <meta charset="UTF-8">

        <!-- JQuerry -->

        <script type="text/javascript" src="https://code.jquery.com/jquery-1.12.1.min.js"></script>

        <script type="text/javascript" src="script_jquery.js"></script>

```html
        <!-- JavaScript -->

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

        <!--Meta Tags-->

    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

    <meta name="description" content="History about mobile phones.">

    <meta name="keywords" content="Mobile, history, old, modern, smart">

    <meta name="author" content="Dušan Rašić">

</head>

<body>

<div id="body">

<div id="body-gallery">

<!--Main Menu-->

    <div id='meni'>

        <ul>

                <li class='active'><a href='index.html#tohome'>Home</a></li>

                <li class=''><a href='index.html#tosecond'>Old</a></li>

                <li class=''><a href='index.html#tothird'>Modern</a></li>

                <li class=''><a href='index.html#tofourth'>Smart</a></li>

                <li class='padajucimeni'><a href='' onClick="return false;">More..</a>

                  <ul>

                    <li><a href="index.html#tofifth">About me</a></li>

                    <li><a href='gallery.html'>Gallery</a></li>

                    <li class='last' data-link="#tofooter">Documentation</li>

                  </ul>

                </li>

                <li class='last' id="logindugme"><a
href="comments.html">Comment</a></li>

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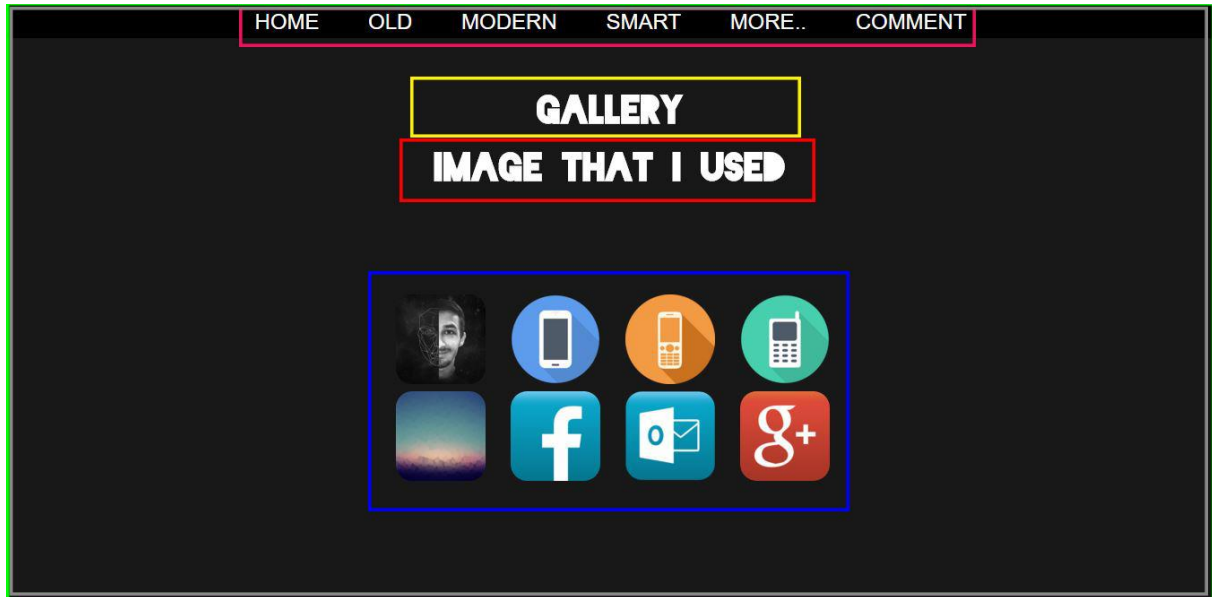
```html
        </div>

<!-- Gallery -->

        <section id="images-row">

                <h1>Gallery</h1></br>

                <h2>Image that i used </h2>

                <div id="galleryimg">

                        <a class="image-gall" href="img/DSC_0013.jpg" data-lightbox="MyImage"
><img src="img/DSC_0013.jpg"></a>

                        <a class="image-gall" href="img/iPhone-icon.png" data-
lightbox="MyImage"><img src="img/iPhone-icon.png"></a>

                        <a class="image-gall" href="img/Mobile-Phone-icon.png" data-
lightbox="MyImage"><img src="img/Mobile-Phone-icon.png"></a>

                        <a class="image-gall" href="img/Mobile-icon.png" data-
lightbox="MyImage"><img src="img/Mobile-icon.png"></a>

                        <a class="image-gall" href="img/flat-wallpaper.png" data-
lightbox="MyImage"><img src="img/flat-wallpaper.png"></a>

                        <a class="image-gall" href="img/Facebook.png" data-
lightbox="MyImage"><img src="img/Facebook.png"></a>

                        <a class="image-gall" href="img/Outlook.png" data-
lightbox="MyImage"><img src="img/Outlook.png"></a>

                        <a class="image-gall" href="img/Googleplus.png" data-
lightbox="MyImage"><img src="img/Googleplus.png"></a>

                </div>

        </section>

        <footer id="tofooter">

        <ul>

                <li><a href="index.html#tohome">Home</a></li>

                <li><a href="xml/sitemap.xml">Sitemap</a></li>

                <li><a href="xml/rss.xml">RSS</a></li>

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

        </ul>
```

```html
        </footer>

</div>

</div>

<script type="text/javascript" src="lightbox2-master\src\js\lightbox.js"></script>

</body>

</html>
```

1.3.5. Comment Template

comment
body
body-comments
meni
comment-body
h2

<!DOCTYPE html>

<html>

<head>

        <title>Comments</title>

            <!-- CSS -->

        <link rel="stylesheet" type="text/css" href="style.css"/>

            <!-- JQuerry -->

        <script type="text/javascript" src="https://code.jquery.com/jquery-1.12.1.min.js"></script>

        <script type="text/javascript" src="script_jquery.js"></script>

        <!-- JavaScript -->

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

            <!--Meta Tags-->

        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

```html
            <meta name="description" content="History about mobile phones.">

            <meta name="keywords" content="Mobile, history, old, modern, smart">

            <meta name="author" content="Dušan Rašić">

</head>

<body>

<div id="body">

<div id="body-comments">

        <div id="meni">

                <ul>

                        <li class='active'><a href='index.html#tohome'>Home</a></li>

                        <li class=''><a href='index.html#tosecond'>Old</a></li>

                        <li class=''><a href='index.html#tothird'>Modern</a></li>

                        <li class=''><a href='index.html#tofourth'>Smart</a></li>

                        <li class='padajucimeni'><a href='' onClick="return false;">More..</a>

                          <ul>

                            <li><a href="index.html#tofifth">About me</a></li>

                            <li><a href='gallery.html'>Gallery</a></li>

                            <li class='last' data-link="#tofooter">Documentation</li>

                          </ul>

                        </li>

                        <li class='last' id="logindugme"><a
href="comments.html">Comment</a></li>

                </ul>

        </div>

        <section id="comment">

                        <div id="Comment-body">

                                <h2>Comments</h2>

                                <table name="tb">
```

```html
                    <tr>

                            <td><input type="text" name="name" id="name"/></td>

                    <td><p>Name</p></td>

                    </tr>

                    <tr>

                            <td><input type="text" name="email" id="email"/></td>

                    <td><p>Email</p></td>

                    </tr>

                    <tr>

                            <td><textarea name="comment" id="text" ></textarea></td>

                    <td><p>Comment</p></td>

                    </tr>

                    <tr>

                    <td><input type="submit" value="Send" onClick="check();"/></td>

                    <td><input type="button" value="Results"
onClick="result()"></input></td>

                        </tr>

                    </table>

                <div id="xmlcomment"></div>

                </div>

        </section>

        <footer id="tofooter">

        <ul>

                <li><a href="index.html#tohome">Home</a></li>

                <li><a href="xml/sitemap.xml">Sitemap</a></li>

                <li><a href="xml/rss.xml">RSS</a></li>

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

        </ul>
```

```html
            </footer>

        </div>

        </div>

    </body>

</html>
```

1.4. Коришћени CSS

1.4.1. lightbox.css

```css
/* Preload images */
body:after {
  content: url(../images/close.png) url(../images/loading.gif) url(../images/prev.png) url(../images/next.png);
  display: none;
}


body.lb-disable-scrolling {
  overflow: hidden;
}


.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;
```

```css
    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;

  border-radius: 3px;

}


.lightbox a img {

  border: none;

}


.lb-outerContainer {

  position: relative;

  background-color: white;

  *zoom: 1;

  width: 250px;

  height: 250px;

  margin: 0 auto;

  border-radius: 4px;
```

```css
}

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

.lb-container {
  padding: 4px;
}

.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;
```

```css
  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,R0lGODlhAQABAPAAAP///wAAACH5BAEAAAAALAAAAABAAEAAAICRAEA
Ow==');

}


.lb-prev, .lb-next {

  height: 100%;

  cursor: pointer;

  display: block;

}
```

```css
.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;
```

```css
  -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%;

  -moz-border-radius-bottomleft: 4px;

  -webkit-border-bottom-left-radius: 4px;

  border-bottom-left-radius: 4px;

  -moz-border-radius-bottomright: 4px;

  -webkit-border-bottom-right-radius: 4px;

  border-bottom-right-radius: 4px;

}


.lb-dataContainer:after {

  content: "";

  display: table;

  clear: both;
```

```css
   }


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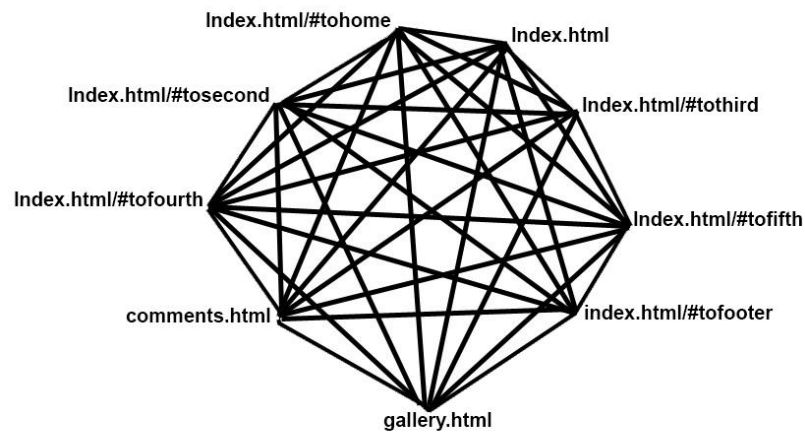
```css
.lb-data .lb-close {

 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;

}
```

2. Организација

2.1.   Организациона шема

2.2.   Мапа сајта

```xml
<?xml version="1.0" encoding="UTF-8"?>

<?xml-stylesheet type="text/xsl" href="for_sitemap.xsl"?>

<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">

    <url>

        <loc>../Index.html</loc>

        <lastmod>2016-03-12</lastmod>

        <changefreq>monthly</changefreq>

        <priority>1</priority>

        </url>

    <url>

        <loc>../gallery.html</loc>

        <lastmod>2016-03-12</lastmod>

        <changefreq>monthly</changefreq>

        <priority>0.9</priority>

    </url>
```
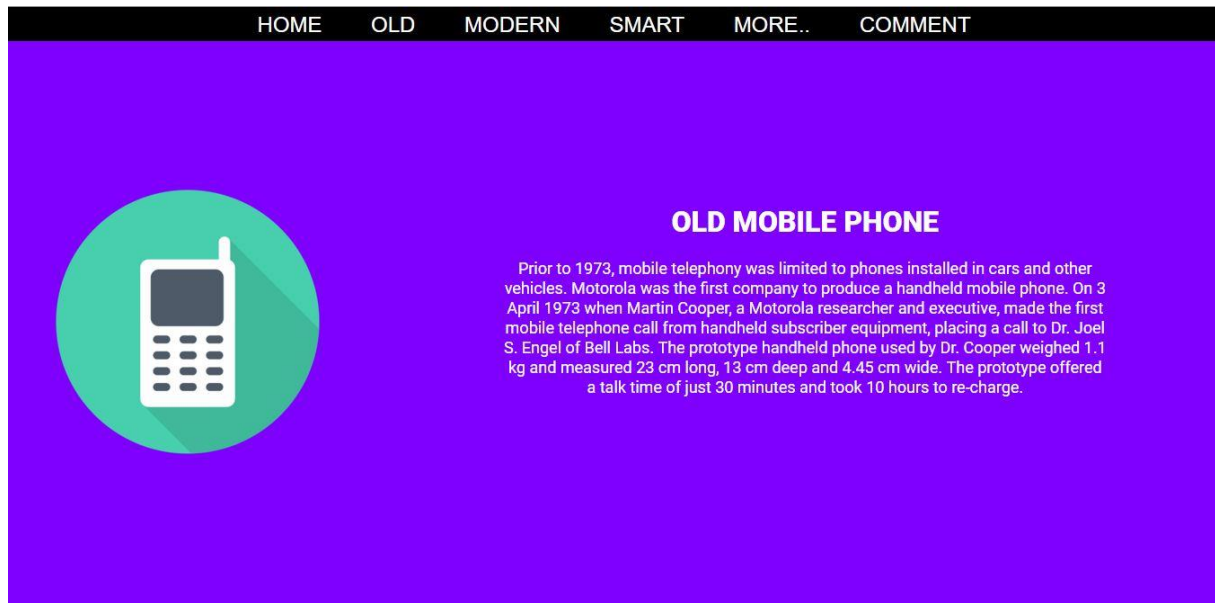
```xml
<url>

        <loc>../comments.html</loc>

        <lastmod>2016-03-12</lastmod>

        <changefreq>monthly</changefreq>

        <priority>0.9</priority>

</url>

</urlset>
```

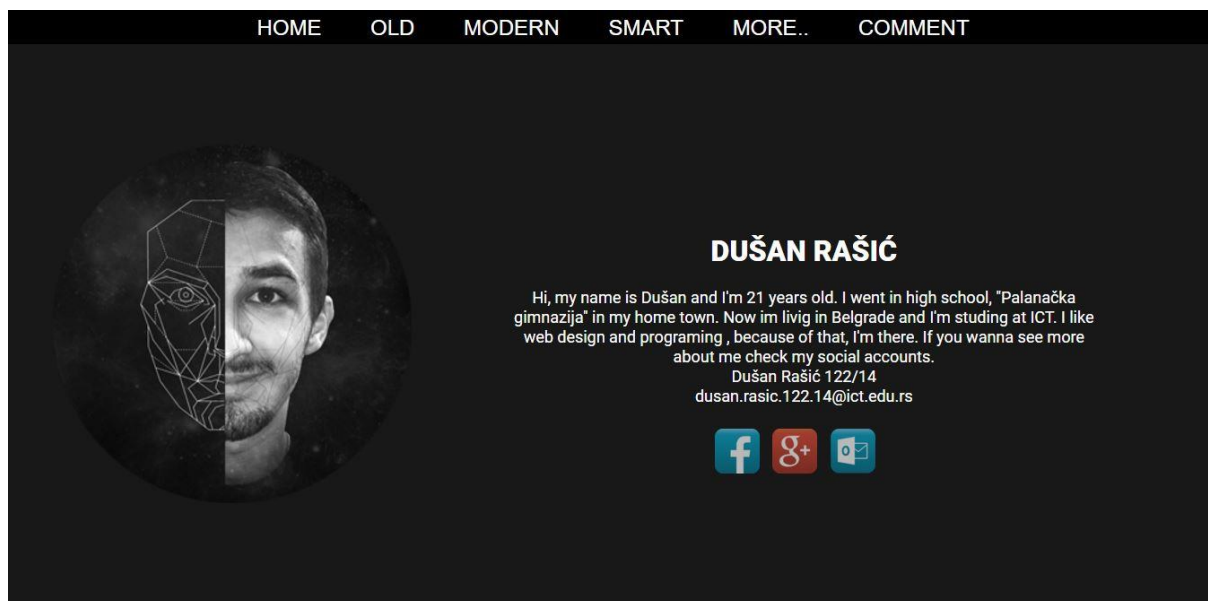## 2.3.   Слике страница и описи функционалности

2.3.1. Home Page

Поседује навигацију ка свим деловима сајта који се помоћу JQuery-ја скролују на клик на одговарајуће поље,и одговарајући линк. На дну ове стране се налазе линкови ка RSS, Sitemap и документацији.

2.3.2. Sections (Old, Modern, Smart) Pages

HOME   OLD   MODERN   SMART   MORE..   COMMENT

OLD MOBILE PHONE

Prior to 1973, mobile telephony was limited to phones installed in cars and other vehicles. Motorola was the first company to produce a handheld mobile phone. On 3 April 1973 when Martin Cooper, a Motorola researcher and executive, made the first mobile telephone call from handheld subscriber equipment, placing a call to Dr. Joel S. Engel of Bell Labs. The prototype handheld phone used by Dr. Cooper weighed 1.1 kg and measured 23 cm long, 13 cm deep and 4.45 cm wide. The prototype offered a talk time of just 30 minutes and took 10 hours to re-charge.
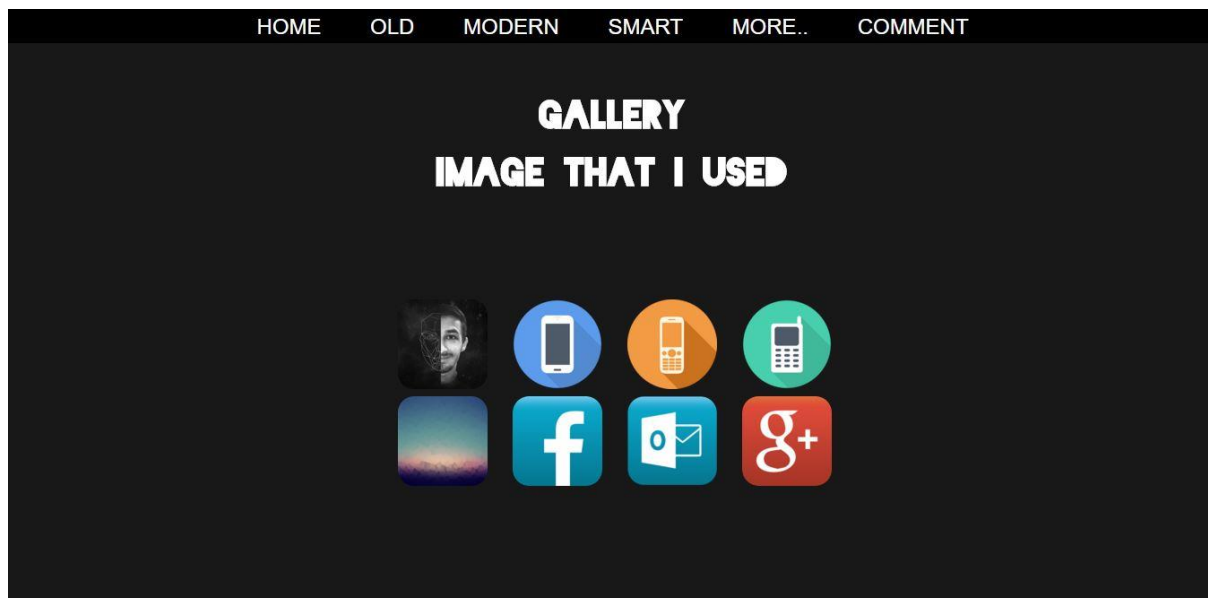
На овим странама се налази навигациони мени, опис секције.
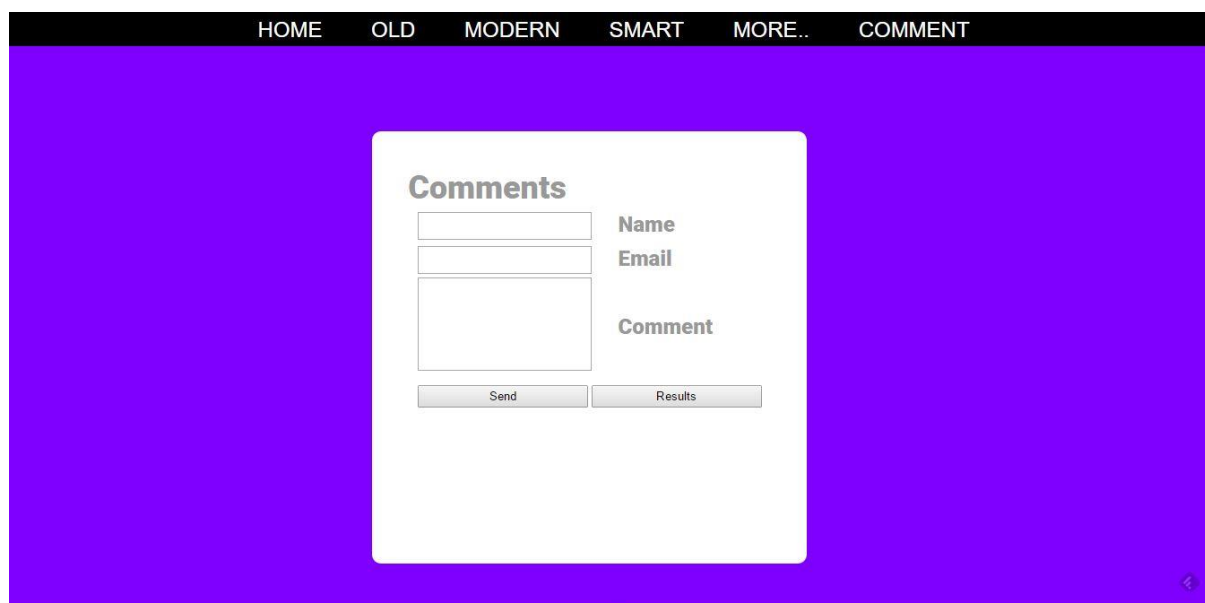
2.3.3. About Me Page

Кратак текст о аутору, линкови ка социјалним мрежама и навигациони мени.
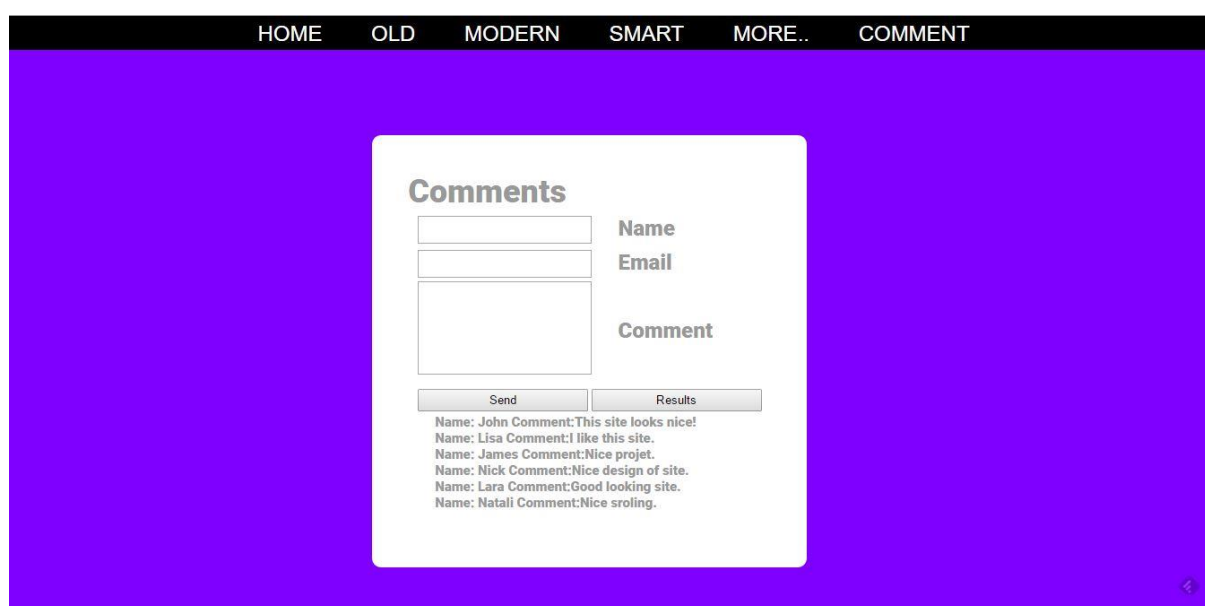
2.3.4. Gallery page

Галерија је реализована помоћу JQuery plugin-a ,Lightbox-a и слике се повлаче са екстерних линкова. Навигациони мени,линкови ка RSS,Sitemap и документацији .

2.3.5. Comment page

Страница поседује форму за упис коментара чија се исправност података проверава JavaScript-ом и дугме које приказује div са резултатима анкете помоћу Ajax-а. Подаци унесени у анкету се не чувају, док се резултати анкете се читају из посебно направљеног XML фајла, навигациони мени.

3. Кодови

3.1.   Html

3.1.1. Index.html

```html
<!DOCTYPE html>

<html>

<head>

    <title>Homp|Home</title>

    <link rel="icon" href='img/Sketch.png'>

    <!-- CSS -->

    <link rel="stylesheet" type="text/css" href="style.css"/>

    <meta charset="UTF-8">

    <!-- JQuerry -->

    <script type="text/javascript" src="https://code.jquery.com/jquery-1.12.1.min.js"></script>

    <script type="text/javascript" src="script_jquery.js"></script>

    <!--Meta Tags-->

    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

    <meta name="description" content="History about mobile phones.">

    <meta name="keywords" content="Mobile, history, old, modern, smart">

    <meta name="author" content="Dušan Rašić">

</head>

<body>

<div id="body">

    <!--Main Menu-->

                <div id='meni'>

                <ul>

                    <li class='active' data-link="#tohome">Home</li>
```

```html
            <li class='' data-link="#tosecond">Old</li>

                <li class='' data-link="#tothird">Modern</li>

            <li class='' data-link="#tofourth">Smart</li>

            <li class='padajucimeni' ><a href='' onClick="return
false;">More..</a>

                <ul>

                    <li data-link="#tofifth">About me</li>

                    <li><a href='gallery.html'>Gallery</a></li>

                    <li class='last' data-link="#tofooter">Documentation</li>

                </ul>

            </li>

            <li class='last' id="logindugme"><a
href='comments.html'>Comment</a></li>

            </ul>

            </div>


    <section id="tohome">

        <div id="first">

                <div class="wrapper-prvi">

                <h1>MobilePhone History</h1>

                <div class="expBtn" data-link="#tosecond">EXPLORE ▼</div>

                </div>

        </div>

    </section>

    <section id="tosecond">

        <div  id="second">

                <img src="img/Mobile-icon.png">
```

```html
<div class="second-text"><span>Old mobile phone</span></br></br><p>Prior to 1973, mobile telephony was limited to phones installed in cars and other vehicles. Motorola was the first company to produce a handheld mobile phone. On 3 April 1973 when Martin Cooper, a Motorola researcher and executive, made the first mobile telephone call from handheld subscriber equipment, placing a call to Dr. Joel S. Engel of Bell Labs. The prototype handheld phone used by Dr. Cooper weighed 1.1 kg and measured 23 cm long, 13 cm deep and 4.45 cm wide. The prototype offered a talk time of just 30 minutes and took 10 hours to re-charge.</p></div>

        </div>

    </section>

    <section  id="tothird">

        <div  id="third">

            <img src="img/Mobile-Phone-icon.png">

            <div class="third-text"><span>Modern mobile phone</span></br></br><p>Modern cell phones are capable of much more than just sending and receiving phone calls. Mobile phones used in today's world allow users to send and receive text messages, emails, photos and video as well as access the Internet, play games, listen to music, use GPS (Global Positioning Systems) and more. The cell phone has become an important communication tool that is used by people all over the world to keep in contact with each other at any time. Although they started off as quite bulky devices they are now very sleek, small and portable, comfortably fitting in a users pocket and surviving for hours on end thanks to a rechargeable battery.</p></div>

        </div>

    </section>

    <section id="tofourth">

        <div  id="fourth">

            <img src="img/iPhone-icon.png">

            <div class="fourth-text"><span>Smartphone</span></br></br><p>A smartphone is a mobile phone with an advanced mobile operating system which combines features of a personal computer operating system with other features useful for mobile or handheld use. They typically combine the features of a cell phone with those of other popular mobile devices, such as personal digital assistant (PDA), media player and GPS navigation unit. Most smartphones can access the Internet, have a touchscreen
```

user interface, with either an LCD, OLED, AMOLED, LED or similar screen, can run third-party apps, music players and are camera phones. Most smartphones produced from 2012 onwards also have high-speed mobile broadband 4G LTE internet, motion sensors, and mobile payment.</p></div>

                                                                               </div>

                                                                   </section>

<section id="tofifth">

        <div id="fifth">

            <img src="img/DSC_0013.png">

            <div class="fifth-text">Dušan Rašić</br></br><p>Hi, my name is Dušan and I'm 21 years old. I went in high school, "Palanačka gimnazija" in my home town. Now im livig in Belgrade and I'm studing at ICT. I like web design and programing , because of that, I'm there. If you wanna see more about me check my social accounts.</br>Dušan Rašić 122/14</br>

                dusan.rasic.122.14@ict.edu.rs</p>

            <div class="contact-icons">

                <img src="img/Facebook.png">

                <img src="img/GooglePlus.png">

                <img src="img/Outlook.png">

            </div>

            </div>

```
        </div>

    </section>

    <footer id="tofooter">

    <ul>

        <li class="footerli" data-link="#tohome">Home</li>

        <li><a href="xml/sitemap.xml">Sitemap</a></li>

        <li><a href="xml/rss.xml">RSS</a></li>

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

    </ul>

    </footer>

    </div>

    </body>

    </html>
```

3.1.2. gallery.html

```
<!DOCTYPE html>

<html>

<head>

    <title>Homp|Gallery</title>

    <link rel="icon" href="img/Sketch.png">

    <!-- CSS LightBox-->

    <link rel="stylesheet" type="text/css" href="lightbox2-master\src\css\lightbox.css">

    <!-- CSS -->

        <link rel="stylesheet" type="text/css" href="style.css"/>

        <meta charset="UTF-8">

    <!-- JQuerry -->

    <script type="text/javascript" src="https://code.jquery.com/jquery-1.12.1.min.js"></script>
```

```html
<script type="text/javascript" src="script_jquery.js"></script>
        <!-- JavaScript -->
<script type="text/javascript" src="script.js"></script>
        <!--Meta Tags-->
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<meta name="description" content="History about mobile phones.">
<meta name="keywords" content="Mobile, history, old, modern, smart">
<meta name="author" content="Dušan Rašić">
</head>
<body>
<div id="body">
<div id="body-gallery">
<!--Main Menu-->
    <div id='meni'>
        <ul>
            <li class='active'><a href='index.html#tohome'>Home</a></li>
            <li class=''><a href='index.html#tosecond'>Old</a></li>
            <li class=''><a href='index.html#tothird'>Modern</a></li>
            <li class=''><a href='index.html#tofourth'>Smart</a></li>
            <li class='padajucimeni'><a href='' onClick="return false;">More..</a>
              <ul>
                <li><a href="index.html#tofifth">About me</a></li>
                <li><a href='gallery.html'>Gallery</a></li>
                <li class='last' data-link="#tofooter">Documentation</li>
              </ul>
            </li>
            <li class='last' id="logindugme"><a
href="comments.html">Comment</a></li>
```

```html
        </ul>

    </div>

<!-- Gallery -->

    <section id="images-row">

        <h1>Gallery</h1></br>

        <h2>Image that i used </h2>

        <div id="galleryimg">

            <a class="image-gall" href="img/DSC_0013.jpg" data-lightbox="MyImage"
><img src="img/DSC_0013.jpg"></a>

            <a class="image-gall" href="img/iPhone-icon.png" data-
lightbox="MyImage"><img src="img/iPhone-icon.png"></a>

            <a class="image-gall" href="img/Mobile-Phone-icon.png" data-
lightbox="MyImage"><img src="img/Mobile-Phone-icon.png"></a>

            <a class="image-gall" href="img/Mobile-icon.png" data-
lightbox="MyImage"><img src="img/Mobile-icon.png"></a>

            <a class="image-gall" href="img/flat-wallpaper.png" data-
lightbox="MyImage"><img src="img/flat-wallpaper.png"></a>

            <a class="image-gall" href="img/Facebook.png" data-
lightbox="MyImage"><img src="img/Facebook.png"></a>

            <a class="image-gall" href="img/Outlook.png" data-
lightbox="MyImage"><img src="img/Outlook.png"></a>

            <a class="image-gall" href="img/Googleplus.png" data-
lightbox="MyImage"><img src="img/Googleplus.png"></a>

        </div>

    </section>

    <footer id="tofooter">

    <ul>

        <li><a href="index.html#tohome">Home</a></li>

        <li><a href="xml/sitemap.xml">Sitemap</a></li>

        <li><a href="xml/rss.xml">RSS</a></li>

        <li><a href="Documentation/documentation.pdf">Documentation</a></li>
```

```
        </ul>

    </footer>

</div>

</div>

<script type="text/javascript" src="lightbox2-master\src\js\lightbox.js"></script>

</body>

</html>
```

3.1.3. comments.html

```
<!DOCTYPE html>

<html>

<head>

    <title>Homp|Comments</title>

    <link rel="icon" href="img/Sketch.png">

            <!-- CSS -->

    <link rel="stylesheet" type="text/css" href="style.css"/>

            <!-- JQuerry -->

    <script type="text/javascript" src="https://code.jquery.com/jquery-
1.12.1.min.js"></script>

    <script type="text/javascript" src="script_jquery.js"></script>

    <!-- JavaScript -->

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

            <!--Meta Tags-->

    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

    <meta name="description" content="History about mobile phones.">

    <meta name="keywords" content="Mobile, history, old, modern, smart">

    <meta name="author" content="Dušan Rašić">

</head>
```

```html
<body>

<div id="body">

<div id="body-comments">

    <div id="meni">

        <ul>

            <li class='active'><a href='index.html#tohome'>Home</a></li>

            <li class=''><a href='index.html#tosecond'>Old</a></li>

            <li class=''><a href='index.html#tothird'>Modern</a></li>

            <li class=''><a href='index.html#tofourth'>Smart</a></li>

            <li class='padajucimeni'><a href='' onClick="return
false;">More..</a>

                <ul>

                    <li><a href="index.html#tofifth">About me</a></li>

                    <li><a href='gallery.html'>Gallery</a></li>

                    <li class='last' data-link="#tofooter">Documentation</li>

                </ul>

            </li>

            <li class='last' id="logindugme"><a
href="comments.html">Comment</a></li>

        </ul>

    </div>

    <section id="comment">

            <div id="Comment-body">

                <h2>Comments</h2>

                <table name="tb">

                <tr>

                    <td><input type="text" name="name"
id="name"/></td>
```

```html
                    <td><p>Name</p></td>
                </tr>
                <tr>
                    <td><input type="text" name="email" id="email"/></td>
                    <td><p>Email</p></td>
                </tr>
                <tr>
                    <td><textarea name="comment" id="text"></textarea></td>
                    <td><p>Comment</p></td>
                </tr>
                <tr>
                    <td><input type="submit" value="Send" onClick="check();"/></td>
                    <td><input type="button" value="Results" onClick="result()"></input></td>
                </tr>
            </table>
            <div id="xmlcomment"></div>
        </div>
    </section>
    <footer id="tofooter">
    <ul>
        <li><a href="index.html#tohome">Home</a></li>
        <li><a href="xml/sitemap.xml">Sitemap</a></li>
        <li><a href="xml/rss.xml">RSS</a></li>
        <li><a href="Documentation/documentation.pdf">Documentation</a></li>
```

```html
        </ul>

      </footer>

    </div>

  </div>

</body>

</html>
```

3.2.   CSS

3.2.1. style.css

```css
@import url(http://fonts.googleapis.com/css?family=Roboto:900,100,400|Roboto+Condensed:700);
@font-face {
    font-family: blackout_mid;
    src: url(fonts/Blackout-Midnight.ttf);
}


html, body, h1, h2, h3, h4, ul, ol, li, p, a {
    padding: 0;
    border: 0;
    margin: 0;
}
body{
    width: 100%;
    min-width: 1000px;
    overflow: visible;
    background: #999999;
}
#body{
    position: relative;
     width: 100%;
     height: 100%;
     background-color: #000000;
```

```css
}
/* gallery */
#body-gallery{
    position: relative;
    height: 100vh;
    width: 100%;
    background-color: #ffffff;
}
#images-row{
    position: relative;
    height: 100vh;
    width: 100%;
    background-color: #181818;
    text-align: center;
    color: white;
    font-family: 'blackout_mid','Roboto',Arial, sans-serif;
    font-size: 28px;
    padding-top: 100px;
}
#images-row a{
    margin: 0 auto;
    display: inline;
    padding: 5px;
}
#images-row img{
    width: 100px;
    height: 100px;
```

```css
    border: solid 2px transparent;

    border-radius: 20px;

}

#images-row img:hover{

    border-color: #1a75ff;

}

#galleryimg{

    margin: 0 auto;

    position: relative;

    top: 100px;

    width: 500px;

    height: 300px;

    padding: 20px;

}

/*comments*/

#body-comments{

    position: relative;

    height: 100vh;

    width: 100%;

    background-color: #8000ff;

}

#comment{

    position: relative;

    height: 100vh;

    width: 100%

}

#Comment-body{
```

```css
        position: relative;

        width: 30%;

        height: 60%;

        top: 20%;

        left: 30%;

        padding: 3%;

        background-color: white;

        border-radius: 10px;

        font-family: 'Roboto', Arial, sans-serif;

        font-size: 24px;

        font-weight: 900;

        color: #999999;

}

#Comment-body table {

        margin: 0 auto;

}

#Comment-body table tr {

        width: 400px;

        height: 30px;

}

#Comment-body table tr td{

        width: 190px;

        height: 30px;

}

#Comment-body table textarea {

        width: 100%;

        height: 100px;
```

```css
    resize: none;

    padding: 1px;

}

#Comment-body table input{

    width: 100%;

    height: 25px;

}

#Comment-body td{

    margin-left: 50px;

}

#Comment-body p{

    margin-left: 30px;

}

#xmlcomment {

    font-size: 15px;

}

/*Navigacija*/

#main{

  position: absolute;

  width: 100%;

  height: 100vh;

}

#meni {

    z-index: 99;

    float: right;

    position: fixed;

    width: 100%;
```

```css
        height: 60px;

        color: white;

        font-family: Arial , sans-serif;

        font-size: 24px;

        line-height: 15px;

        text-transform: uppercase;

        text-align: center;

        color: white;

}
#meni  ul {

        width: auto;

        list-style-type: none;

        padding: 0;

        margin: 0;

        background-color: black;

}


#meni ul li {

        display: inline-block;

}
#meni ul li.right {

        float: right;

}
#meni ul li a {

        text-decoration: none;

        color: white;

}
```

```css
#meni ul li.padajucimeni {

    position: relative;

}


#meni ul li.padajucimeni ul {

    display: none;

    width: 250px;

    position: absolute;

    margin: 0;

    padding: 0;

    top: 38px;

    left: 0;

    list-style-type: none;

    background: black;

    color: white;

}
#meni ul li.padajucimeni ul li {

    display: block;

    color: white;

}


#meni ul li {

    display: inline-block;

    padding: 12px 24px 11px 24px;

    text-decoration: none;

}
#meni ul li:hover {
```

```css
    background: #ffbb33;

    color: white;

    cursor: pointer;

}

#tohome{

    height: 100vh;

    background-image: url("img/flat-wallpaper.png");

    background-size: cover;

    width: 100%;

}

#tohome #first {

    position: relative;

    height: 100vh;

    text-align: center;

    font-family: 'blackout_mid', 'Roboto', Arial, sans-serif;

    font-size: 72px;

}

#tohome #first .wrapper-prvi {

    position: relative;

    top: 50%;

    transform: translateY(-50%);

}

.wrapper-prvi h1 {

    color: #ffbb33;

    text-shadow: 2px 2px 15px #000000;

}

.wrapper-prvi div {
```

```css
        display: block;

        text-decoration: none;

        color: violet;

    }

    .wrapper-prvi div {

        top: 130px;

        position: relative;

        font-size: 48px;

        background-color: white;

        display: block;

        margin: 0 auto;

        width: 270px;

        box-shadow: 2px 2px 15px #000000;

    }

    .wrapper-prvi div:hover {

        background-color: #ffbb33;

        color: white;

        cursor: pointer;

    }

    #tosecond {

        position: relative;

        height: 100vh;

        width: 100%;

        background-color: #8000ff;

    }

    #second img{

        position: relative;
```

```css
    top: 200px;

    left: 50px;

    width: 300px;

    height: 300px;

}
.second-text{

  position: absolute;

  width: 50%;

  top: 220px;

  text-align: center;

  color: white;

  margin-left: 550px;

  font-family: 'Roboto', Arial;

  font-weight: 400;

  font-size: 18px;

}
.second-text span {

    text-transform: uppercase;

    font-size: 32px;

    font-weight: 900;

}
#tothird{

    position: relative;

     height: 100vh;

    width: 100%;

     background-color: #2051ff;

}
```

```css
#third img{
    position: relative;
    top: 200px;
    left: 50px;
    width: 300px;
    height: 300px;
}
.third-text{
  position: absolute;
  width: 50%;
  top: 220px;
  text-align: center;
  color: white;
  margin-left: 550px;
  font-family: 'Roboto', Arial;
  font-weight: 400;
  font-size: 18px;
}
.third-text span {
    text-transform: uppercase;
    font-size: 32px;
    font-weight: 900;
}
#tofourth{
    position: relative;
    height: 100vh;
    width: 100%;
```

```css
        background-color: #00ccff;
    }
    #fourth img{
        position: relative;
        top: 200px;
        left: 50px;
        width: 300px;
        height: 300px;
    }
    .fourth-text{
      position: absolute;
      width: 50%;
      top: 220px;
      text-align: center;
      color: white;
      margin-left: 550px;
      font-family: 'Roboto', Arial;
      font-weight: 400;
      font-size: 18px;
    }
    .fourth-text span{
        text-transform: uppercase;
        font-size: 32px;
        font-weight: 900;
    }
    #tofifth{
        position: relative;
```

```css
        height: 100vh;

        width: 100%;

        background-color: #181818;

    }

    #fifth img{

        position: relative;

        top: 150px;

        left: 50px;

        width: 400px;

        height: 400px;

    }

    .fifth-text{

     position: absolute;

     width: 50%;

     top: 250px;

     text-align: center;

     color: white;

     margin-left: 550px;

     font-family: 'Roboto', Arial;

     font-weight: 400;

     font-size: 18px;

    }

    .fifth-text span {

        text-transform: uppercase;

        font-size: 32px;

        font-weight: 900;

    }
```

```css
.fifth-text a{

    text-decoration: none;

    color: white;

}

.fifth-text a:hover{

    color: violet;

}

#fifth .contact-icons{

    position: relative;

    margin: 0 auto;

    width: 200px;

    margin-top: 20px;


}

#fifth .contact-icons ul li {

    list-style: none;

    display: inline-block;

}

#fifth .contact-icons img{

    left: -10px;

    width: 50px;

    height: 50px;

    padding: 5px;

    top: 0;

}

.contact-icons a{

    height: 50px;
```

```css
    opacity: 0.7;
}
.contact-icons a:hover {
    color: #ffffff;
    padding-bottom: 11px;
    opacity: 1;
}
footer {
    position: relative;
    width: 100%;
    height: 40px;
    font-family: Arial , sans-serif;
    font-size: 24px;
    text-transform: uppercase;
    text-align: center;
    background-color: black;
}
footer  ul {
    width: auto;
    list-style-type: none;
    padding: 0;
    margin: 0;
    color: white;
}
 footer ul li {
    display: inline-block;
    cursor: pointer;
```

```css
        }
    footer ul li.right {
        float: right;
    }
    footer ul li a {
        display: block;
        padding: 5px;
        text-decoration: none;
        color: white;
    }
    footer a:hover{
        color: violet;
    }
    footer ul li:hover{
        color: violet;
    }
```

3.2.2. lightbox.css

```css
/* Preload images */

body:after {

  content: url(../images/close.png) url(../images/loading.gif) url(../images/prev.png)
url(../images/next.png);

  display: none;

}


body.lb-disable-scrolling {
```

```css
  overflow: hidden;

}


.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;

  border-radius: 3px;

}


.lightbox a img {

  border: none;

}


.lb-outerContainer {

  position: relative;

  background-color: white;

  *zoom: 1;

  width: 250px;

  height: 250px;

  margin: 0 auto;

  border-radius: 4px;

}


.lb-outerContainer:after {

  content: "";

  display: table;

  clear: both;

}


.lb-container {

  padding: 4px;

}
```

```css
.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;

}
```

```css
.lb-container > .nav {

  left: 0;

}


.lb-nav a {

  outline: none;

  background-image:
url('data:image/gif;base64,R0lGODlhAQABAPAAAP///wAAACH5BAEAAAALAAAAAABAAEAAAICRAEAOw==');

}


.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;
```

```css
  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 {
```

```css
  margin: 0 auto;

  padding-top: 5px;

  *zoom: 1;

  width: 100%;

  -moz-border-radius-bottomleft: 4px;

  -webkit-border-bottom-left-radius: 4px;

  border-bottom-left-radius: 4px;

  -moz-border-radius-bottomright: 4px;

  -webkit-border-bottom-right-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;
```

```css
    line-height: 1.1em;

  }


.lb-data .lb-caption {

  font-size: 13px;

  font-weight: bold;

  line-height: 1em;

}


.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;
```

```css
  -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;

}
```

3.3. JavaScript/JQuery

3.3.1. script.js

```javascript
function check(){


  var user=document.getElementById("name");

  var mail=document.getElementById("email");

  var comment=document.getElementById("text");


  var reUser =  /^[A-Z]{1}[a-z]{2,19}$/;

  var reMail = /^(\w+[\-\.])*\w+@(\w+\.)+[A-Za-z]+$/;


  var data= new Array();

  var errors = new Array();

  var errorId = new Array();


if (!user.value.match(reUser)) {

    errorId.push(user.id);

}
else{

  data.push(user);

}
if (!mail.value.match(reMail)) {

    errorId.push(mail.id);

}
else{

  data.push(mail);

}
```

```javascript
if (comment.value == "") {

  errorId.push(comment.id);

}

else{

  data.push(comment);

}

  if(errorId.length != 0)

  {

    for(var i = 0; i < errorId.length; i++)

    {

      document.getElementById(errorId[i]).style.borderColor = "red";

    }

  }

  else

  {

    location.reload (true);

    alert("Thank you for commenting!");

  }

}

function result(){

    var xhttp = new XMLHttpRequest();

    xhttp.onreadystatechange = function() {

      if (xhttp.readyState == 4 && xhttp.status == 200) {

          unosuxml(xhttp);

      }

    };

    xhttp.open("GET", "xml/comments.xml", true);
```

```javascript
        xhttp.send();


    function unosuxml(xml) {

        var choiceVal = new Array();

        var results = new Array();

        var xmlDoc = xml.responseXML;

        var tagoviRes = xmlDoc.getElementsByTagName("comment");

        var divRe=document.getElementById('xmlcomment');

        for (var i = 0; i < tagoviRes.length; i++) {


choiceVal.push(tagoviRes[i].getElementsByTagName('name')[0].childNodes[0].node
Value);


results.push(tagoviRes[i].getElementsByTagName('text')[0].childNodes[0].nodeValue
);

        }

        for (var i = 0; i < choiceVal.length; i++) {

          divRe.innerHTML+="<p>Name: "+choiceVal[i]+" Comment:"+results[i]+" </p>";

        }


    }
}
```

3.3.2. script_jquery.js

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

        /* dropdown */

  $("#meni .padajucimeni").on('mouseover', function(){

                    $(".padajucimeni ul").css("display","block");

                }).on('mouseleave', function(){

                    $(".padajucimeni ul").css("display","none");

                });



    /* smooth scrolling */

    $('#meni li').click(function(){

            var target = $(this).data("link");

            $('html,body').animate({

    scrollTop: $(target).offset().top

            },1000);

    });



    $('.expBtn').click(function(){

            var target = $(this).data("link");

            $('html,body').animate({

    scrollTop: $(target).offset().top

            },1000);

    });



    $('.footerli').click(function(){

            var target = $(this).data("link");

            $('html,body').animate({

    scrollTop: $(target).offset().top
```

```
                    },1000);

            });

        });
```

3.3.3. lightbox.js

```
/*!
 * Lightbox v2.8.2
 * by Lokesh Dhakar
 *
 * More info:
 * http://lokeshdhakar.com/projects/lightbox2/
 *
 * Copyright 2007, 2015 Lokesh Dhakar
 * Released under the MIT license
 * https://github.com/lokesh/lightbox2/blob/master/LICENSE
 */


// 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);
    }
```

```javascript
}(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: 500,

    fitImagesInViewport: true,

    // maxWidth: 800,

    // maxHeight: 600,

    positionFromTop: 50,

    resizeDuration: 700,

    showImageNumberLabel: true,

    wrapAround: false,

    disableScrolling: false

  };
```

```javascript
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() {

  this.enable();

  this.build();

};


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

// 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() {
```

```javascript
    var self = this;

    $('<div id="lightboxOverlay" class="lightboxOverlay"></div><div id="lightbox"
class="lightbox"><div class="lb-outerContainer"><div class="lb-container"><img class="lb-image"
src="data:image/gif;base64,R0lGODlhAQABAIAAAP///wAAACH5BAEAAAAALAAAAAABAAEAAAICRAE
AOw==" /><div class="lb-nav"><a class="lb-prev" href="" ></a><a class="lb-next" href=""
></a></div><div class="lb-loader"><a class="lb-cancel"></a></div></div></div><div class="lb-
dataContainer"><div class="lb-data"><div class="lb-details"><span class="lb-caption"></span><span
class="lb-number"></span></div><div class="lb-closeContainer"><a class="lb-
close"></a></div></div></div></div>').appendTo($('body'));


    // Cache jQuery objects

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

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

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

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


    // Store css values for future lookup

    this.containerTopPadding = parseInt(this.$container.css('padding-top'), 10);

    this.containerRightPadding = parseInt(this.$container.css('padding-right'), 10);

    this.containerBottomPadding = parseInt(this.$container.css('padding-bottom'), 10);

    this.containerLeftPadding = parseInt(this.$container.css('padding-left'), 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') {
```

```javascript
      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);

    }
```

```javascript
      return false;

    });


    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({
```

```javascript
    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]) {
```

```javascript
        imageNumber = j;

      }

    }

  }

}


// 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) {

  $('body').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();
```

```javascript
    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;


      $image.attr('src', self.album[imageNumber].link);


      $preloader = $(preloader);


      $image.width(preloader.width);
      $image.height(preloader.height);
```

```javascript
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.containerLeftPadding - self.containerRightPadding - 20;

  maxImageHeight = windowHeight - self.containerTopPadding - self.containerBottomPadding -
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 there a fitting issue?

  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);
```

```javascript
      $image.width(imageWidth);

      $image.height(imageHeight);

    }

   }

  }

  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.containerLeftPadding + this.containerRightPadding;

 var newHeight = imageHeight + this.containerTopPadding + this.containerBottomPadding;
```

```javascript
  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('slow');


  this.updateNav();

  this.updateDetails();
```

```javascript
    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) {
```

```javascript
      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 !== '') {

    this.$lightbox.find('.lb-caption')

      .html(this.album[this.currentImageIndex].title)

      .fadeIn('fast')

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

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

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

```javascript
      } 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');


  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) {
```

```javascript
    var preloadPrev = new Image();

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

  }

};


Lightbox.prototype.enableKeyboardNav = function() {

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

};


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);
```

```javascript
      }

    } 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) {

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

    }

  };


  return new Lightbox();

}));
```

3.4. XML/XSLT

3.4.1. rss.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>

<?xml-stylesheet type="text/xsl" href="for_rss.xsl"?>

<rss version="2.0">

    <channel>

            <title>Home</title>

            <link>../Index.html</link>

            <description>

            Everything you got to know about mobile phones.

            </description>

    <item>

            <title>Home: Old phones </title>

            <link>../Index.html#tosecond</link>

            <description>

            How all starts.

            </description>

            </item>

    <item>

            <title>Home: Modern phones </title>

            <link>../Index.html#tothird</link>

            <description>

            Loking forward into mobile phones.

            </description>

            </item>

    <item>

            <title>Home: Smartphones </title>
```

```xml
<link>../Index.html#tofourth</link>

<description>

Loking forward into mobile phones.

</description>

</item>

<item>

<title>Home: About me </title>

<link>../Index.html#tofifth</link>

<description>

Part where you read somthenig abouth me.

</description>

</item>

<item>

<title> Gallery </title>

<link>../gallery.html</link>

<description>

Part where you can see some photos.

</description>

</item>

<item>

<title> Comment </title>

<link>../comments.html</link>

<description>

Part where you send me your opinion about site.

</description>

</item>

</channel>
```

</rss>

3.4.2. for_rss.xsl

```xml
<?xml version="1.0"?>

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">


<xsl:template match="/rss">
  <html>
   <head>
        <style type="text/css">
     body {
       font-size:12px;

       font-family: Arial;

       font-weight: 900;

       background-color: #003366;

       text-align:center;

     }
     table{

       margin: 0 auto;

     }
     h3{

         font-size: 32px;

       font-family: Arial;

       font-weight: 900;

       color:#00ccff;

       text-transform: uppercase;

     }
```

```css
        td {

            height:50px;

            padding: 5px;

            background-color: rgba(0, 0, 0, 0.5);

          border-radius:5px;


        }
        .whitecol {

            background-color: rgba(255, 255, 255, 0.5);


        }
        a {

            text-decoration: none;

            color:white;

        }
        a:hover{

            color:violet;

        }
    </style>
</head>
<body>
    <h3> History of Mobilephones </h3>
                <table>
                    <tr bgcolor="#00ccff">
                        <th>Title</th>
                            <th>Link</th>
                            <th>Description</th>
```

```
                                                    </tr>
                                    <tr>
                                                    <td class="whitecol"><xsl:value-of
select="channel/title"/></td>
                                                                    <td>
                                                                            <xsl:element name="a">
                                                                    <xsl:attribute name="href">
                                                                    <xsl:value-of
select="channel/link"/>
                                                                    </xsl:attribute>
                                                                    <xsl:value-of
select="channel/link"/>
                                                                    </xsl:element>
                                                                    </td>
                                                    <td class="whitecol"><xsl:value-of
select="channel/description"/></td>
                                    </tr>
                                    <xsl:for-each select="channel/item">
                                    <tr>
                                                                    <td class="whitecol"><xsl:value-of
select="title"/></td>
                                                                    <td>
                                                                            <xsl:element name="a">
                                                                    <xsl:attribute name="href">
                                                                    <xsl:value-of select="link"/>
                                                                    </xsl:attribute>
                                                                    <xsl:value-of select="link"/>
                                                                    </xsl:element>
                                                                    </td>
```

```
                                                       <td
class="whitecol"><xsl:value-of select="description"/></td>

                                    </tr>

                                </xsl:for-each>

                            </table>

                </body>

            </html>

        </xsl:template>

        </xsl:stylesheet>
```

3.4.3. sitemap.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<?xml-stylesheet type="text/xsl" href="for_sitemap.xsl"?>

<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">

    <url>

            <loc>../Index.html</loc>

            <lastmod>2016-03-12</lastmod>

            <changefreq>monthly</changefreq>

            <priority>1</priority>

            </url>

    <url>

            <loc>../gallery.html</loc>

            <lastmod>2016-03-12</lastmod>

            <changefreq>monthly</changefreq>

            <priority>0.9</priority>

    </url>

    <url>
```

```
            <loc>../comments.html</loc>

            <lastmod>2016-03-12</lastmod>

            <changefreq>monthly</changefreq>

            <priority>0.9</priority>

    </url>

</urlset>
```

3.4.4. for_sitemap.xsl

```xml
<?xml version="1.0"?>

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:sm="http://www.sitemaps.org/schemas/sitemap/0.9">


<xsl:template match="/">
  <html>
    <head>
          <style type="text/css">
      body {
        font-size:14px;

        font-family: Arial;

        font-weight: 900;

        background-color: #003366;

        text-align:center;

      }

      table{

          margin: 0 auto;

        border-radius:5px;

      }
```

```
        h3{
            font-size: 32px;

        font-family: Arial;

        font-weight: 900;

        color:#00ccff;

        text-transform: uppercase;

        }

        td {

            height:50px;

            padding: 5px;

            background-color: rgba(0, 0, 0, 0.5);

        border-radius:5px;

        }

        .whitecol {

            background-color: rgba(255, 255, 255, 0.5);;

        }

        a {

            text-decoration: none;

            color:white;

        }

        a:hover{

            color: violet;

        }
    </style>
</head>
<body>
        <h3> History of mobilephones </h3>
```

```xml
<table>
    <tr bgcolor="#00ccff">
        <th>Location</th>
        <th>Last modification Date</th>
        <th>Change Frequency</th>
        <th>Priority</th>
    </tr>
    <xsl:for-each select="sm:urlset/sm:url">
        <tr>
            <td>
                <xsl:element name="a">
                    <xsl:attribute name="href">
                        <xsl:value-of select="sm:loc"/>
                    </xsl:attribute>
                    <xsl:value-of select="sm:loc"/>
                </xsl:element>
            </td>
            <td class="whitecol"><xsl:value-of select="sm:lastmod"/></td>
            <td class="whitecol"><xsl:value-of select="sm:changefreq"/></td>
            <td class="whitecol"><xsl:value-of select="sm:priority"/></td>
        </tr>
    </xsl:for-each>
</table>
    </body>
</html>
```

```xml
</xsl:template>

</xsl:stylesheet>
```

3.4.5. comments.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<comments>
    <comment>
        <name>John</name>
        <text>This site looks nice!</text>
    </comment>
    <comment>
        <name>Lisa</name>
        <text>I like this site.</text>
    </comment>
    <comment>
        <name>James</name>
        <text>Nice projet.</text>
    </comment>
    <comment>
        <name>Nick</name>
        <text>Nice design of site.</text>
    </comment>
    <comment>
        <name>Lara</name>
        <text>Good looking site.</text>
    </comment>
```

```
    <comment>

            <name>Natali</name>

            <text>Nice sroling.</text>

    </comment>

</comments>
```