Aplikacje internetowe

Laboratorium 4

Cele:

- Praktyczne zastosowanie Bootstrap

Zadanie

Zadanie polega na przygotowaniu szablonu witryny internetowej jak na poniższym rysunku z zastosowaniem właściwości Bootstrapa.

1. Rozpoczniemy z czystym szablonem:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Interactive Agency "Blue Orange"</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body>

<h1>Blue Orange</h1>
<p>We specialize in interactive websites</p>

</body>
</html>
```

2. Dodajemy **Bootstrap CDN** lub lokalnie oraz element **Jumbotron**

```html
<head>
  <title>Blue Orange Company</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</head>
<body>

<div class="jumbotron">
  <h1>Blue Orange</h1>
  <p>We specialize in interactive websites</p>
</div>

</body>
</html>
```

3. Dodajemy pomarańczowe tło do element **Jumbotron**. Dodajemy klasę **.text-center** do tekstu wewnątrz

```
<style>
.jumbotron {
    background-color: #f4511e; /* kolor pomarańczowy */
    color: #ffffff;
}
</style>

<body>
  <div class="jumbotron text-center">
    <h1>Blue Orange</h1>
    <p>We specialize in interactive websites</p>
  </div>
</body>
```

4. Dodajemy pole formularza i przycisk

```
<div class="jumbotron text-center">
    <h1><img src="blueorange_thumb.png"> Blue Orange</h1>
    <p>We specialize in interactive websites</p>

  <form class="form-inline">
    <div class="input-group">
      <input type="email" class="form-control" size="50" placeholder="Email
Address" required>
      <div class="input-group-btn">
        <button type="button" class="btn btn-danger">Subscribe</button>
      </div>
    </div>
  </form>
</div>
```


5. Poniżej dodajemy dwa kontenery (**.container-fluid**) i dodajemy własną klasę do drugiego kontenera (**.bg-grey**)

```
<style>
.bg-grey {
    background-color: #f6f6f6;
}
</style>

<div class="container-fluid">
```

```html
  <h2>About Company Page</h2>
  <h4>Lorem ipsum..</h4>
  <p>Lorem ipsum..</p>
  <button class="btn btn-default btn-lg">Get in Touch</button>
</div>

<div class="container-fluid bg-grey">
  <h2>Our Values</h2>
  <h4><strong>MISSION:</strong> Our mission lorem ipsum..</h4>
  <p><strong>VISION:</strong> Our vision Lorem ipsum..
</div>
```

6. Dodajemy odstępy

```css
<style>
.jumbotron {
    background-color: #f4511e;
    color: #fff;
    padding: 100px 25px;
}

.container-fluid {
    padding: 60px 50px;
}
</style>
```

7. Definiujemy siatkę (grid)

   a. Dodajemy ikonę do każdego kontenera

   b. Oddzielamy ikonę i tekst opisujący tworząc dwie kolumny (**.col-sm-8** oraz **.col-sm-4**)

   c. Dodajemy media queries aby wyśrodkować kolumnę logo na ekranach o szerokości mniejszej niż 768px

```css
<style>
.logo {
    font-size: 200px;
}
@media screen and (max-width: 768px) {
    .col-sm-4 {
        text-align: center;
        margin: 25px 0;
    }
}
</style>
```

```html
<div class="container-fluid">
  <div class="row">
    <div class="col-sm-8">
      <h2>About Company Page</h2>
      <h4>Lorem ipsum..</h4>
      <p>Lorem ipsum..</p>
      <button class="btn btn-default btn-lg">Get in Touch</button>
    </div>
```

```
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-signal logo"></span>
    </div>
  </div>
</div>

<div class="container-fluid bg-grey">
  <div class="row">
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-globe logo"></span>
    </div>
    <div class="col-sm-8">
      <h2>Our Values</h2>
      <h4><strong>MISSION:</strong> Our mission lorem ipsum..</h4>
      <p><strong>VISION:</strong> Our vision Lorem ipsum..</p>
    </div>
  </div>
</div>
```
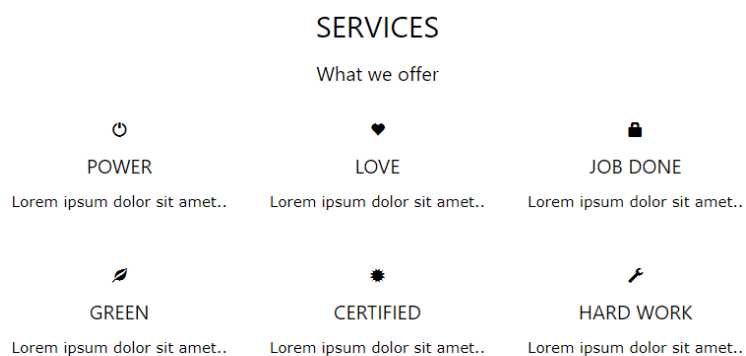
About Company Page

Lorem ipsum..

Lorem ipsum..

Get in Touch

Our Values

MISSION: Our mission lorem ipsum..

VISION: Our vision Lorem ipsum..

8. Dodajemy nowy kontener z kolumnami 2x3 równej szerokości (**.col-sm-4**)

```
<div class="container-fluid text-center">
  <h2>SERVICES</h2>
  <h4>What we offer</h4>
  <br>
  <div class="row">
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-off"></span>
      <h4>POWER</h4>
      <p>Lorem ipsum dolor sit amet..</p>
    </div>
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-heart"></span>
      <h4>LOVE</h4>
      <p>Lorem ipsum dolor sit amet..</p>
    </div>
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-lock"></span>
      <h4>JOB DONE</h4>
```

```html
      <p>Lorem ipsum dolor sit amet..</p>
    </div>
    </div>
    <br><br>
  <div class="row">
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-leaf"></span>
      <h4>GREEN</h4>
      <p>Lorem ipsum dolor sit amet..</p>
    </div>
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-certificate"></span>
      <h4>CERTIFIED</h4>
      <p>Lorem ipsum dolor sit amet..</p>
    </div>
    <div class="col-sm-4">
      <span class="glyphicon glyphicon-wrench"></span>
      <h4>HARD WORK</h4>
      <p>Lorem ipsum dolor sit amet..</p>
    </div>
  </div>
</div>
```

SERVICES

What we offer

⏻	♥	🔒
POWER	LOVE	JOB DONE
Lorem ipsum dolor sit amet..	Lorem ipsum dolor sit amet..	Lorem ipsum dolor sit amet..

🍃	✹	🔧
GREEN	CERTIFIED	HARD WORK
Lorem ipsum dolor sit amet..	Lorem ipsum dolor sit amet..	Lorem ipsum dolor sit amet..

9. Stylizujemy ikony, dodajemy własną klasę **.logo-small** do każdej ikony (glyphicon) w kontenerze **Services**

```css
.logo-small {
    color: #f4511e;
    font-size: 50px;
}

.logo {
    color: #f4511e;
    font-size: 200px;
}
```

About Company Page

Lorem ipsum..

Lorem ipsum..

Get in Touch

Our Values

MISSION: Our mission lorem ipsum..

VISION: Our vision Lorem ipsum..

SERVICES

What we offer

POWER

Lorem ipsum dolor sit amet..

LOVE

Lorem ipsum dolor sit amet..

JOB DONE

Lorem ipsum dolor sit amet..

GREEN

Lorem ipsum dolor sit amet..

CERTIFIED
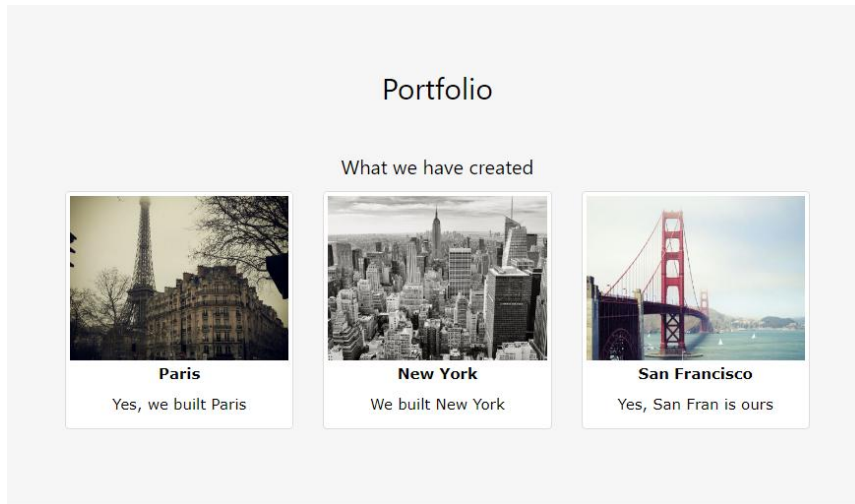
Lorem ipsum dolor sit amet..

HARD WORK

Lorem ipsum dolor sit amet..

10. Dodajemy kontener **Portfolio**. Tworzymy nowy kontener z trzema kolumnami **.col-sm-4**. W każdej kolumnie dodajemy obraz, następnie używamy klasy **.thumbnail** aby zrobić miniaturkę. Każdy obraz otoczymy kontenerem.

```html
<div class="container-fluid text-center bg-grey">
  <h2>Portfolio</h2>
  <h4>What we have created</h4>
  <div class="row text-center">
    <div class="col-sm-4">
      <div class="thumbnail">
        <img src="paris.jpg" alt="Paris">
        <p><strong>Paris</strong></p>
        <p>Yes, we built Paris</p>
      </div>
    </div>
    <div class="col-sm-4">
      <div class="thumbnail">
        <img src="newyork.jpg" alt="New York">
        <p><strong>New York</strong></p>
        <p>We built New York</p>
      </div>
    </div>
    <div class="col-sm-4">
```

```html
    <div class="thumbnail">
      <img src="sanfran.jpg" alt="San Francisco">
      <p><strong>San Francisco</strong></p>
      <p>Yes, San Fran is ours</p>
    </div>
  </div>
</div>
```
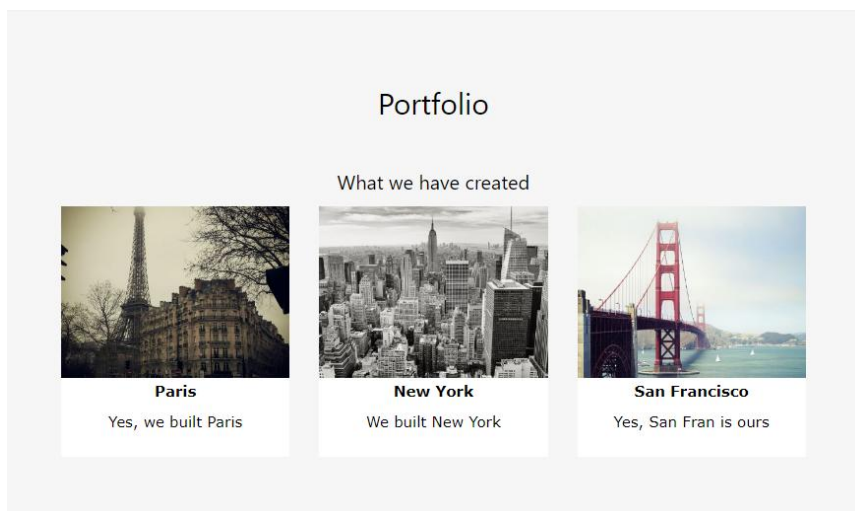

11. Stylizacja miniaturek tak żeby wyglądały jak fotki.

```css
.thumbnail {
    padding: 0 0 15px 0;
    border: none;
    border-radius: 0;
}

.thumbnail img {
    width: 100%;
    height: 100%;
    margin-bottom: 10px;
}
```


12. Dodajemy element **Carousel**

```html
<h2>What our customers say</h2>
<div id="myCarousel" class="carousel slide text-center" data-ride="carousel">
  <!-- Indicators -->
  <ol class="carousel-indicators">
    <li data-target="#myCarousel" data-slide-to="0" class="active"></li>
    <li data-target="#myCarousel" data-slide-to="1"></li>
    <li data-target="#myCarousel" data-slide-to="2"></li>
  </ol>

  <!-- Wrapper for slides -->
  <div class="carousel-inner" role="listbox">
    <div class="item active">
    <h4>"This company is the best. I am so happy with the result!"<br><span style="font-style:normal;">Michael Roe, Vice President, Comment Box</span></h4>
    </div>
    <div class="item">
      <h4>"One word... WOW!!"<br><span style="font-style:normal;">John Doe, Salesman, Rep Inc</span></h4>
    </div>
    <div class="item">
      <h4>"Could I... BE any more happy with this company?"<br><span style="font-style:normal;">Chandler Bing, Actor, FriendsAlot</span></h4>
    </div>
  </div>

  <!-- Left and right controls -->
  <a class="left carousel-control" href="#myCarousel" role="button" data-slide="prev">
    <span class="glyphicon glyphicon-chevron-left" aria-hidden="true"></span>
    <span class="sr-only">Previous</span>
  </a>
  <a class="right carousel-control" href="#myCarousel" role="button" data-slide="next">
    <span class="glyphicon glyphicon-chevron-right" aria-hidden="true"></span>
    <span class="sr-only">Next</span>
  </a>
</div>
```

13. Stylizujemy element **Carousel** w CSS

```css
.carousel-control.right, .carousel-control.left {
    background-image: none;
    color: #f4511e;
}

.carousel-indicators li {
    border-color: #f4511e;
}

.carousel-indicators li.active {
    background-color: #f4511e;
}

.item h4 {
    font-size: 19px;
    line-height: 1.375em;
```
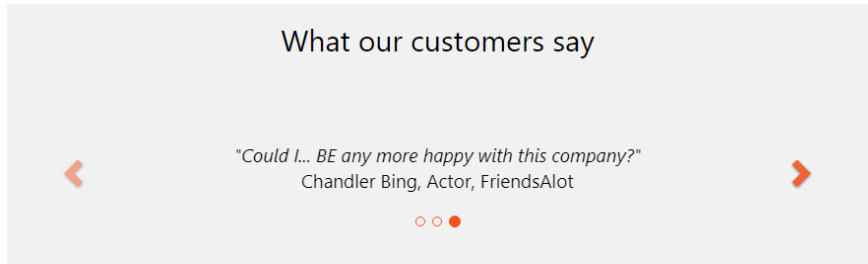
```css
    font-weight: 400;
    font-style: italic;
    margin: 70px 0;
}


.item span {
    font-style: normal;
}
```

What our customers say

"Could I... BE any more happy with this company?"
Chandler Bing, Actor, FriendsAlot

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14. Dodajemy kontener **Pricing** zawierający plany cenowe w formie paneli, z układem trzech kolumn **.col-sm-4**. W każdej kolumnie dodajemy panel

```html
<div class="container-fluid">
  <div class="text-center">
    <h2>Pricing</h2>
    <h4>Choose a payment plan that works for you</h4>
  </div>
  <div class="row">
    <div class="col-sm-4">
      <div class="panel panel-default text-center">
        <div class="panel-heading">
          <h1>Basic</h1>
        </div>
        <div class="panel-body">
          <p><strong>20</strong> Lorem</p>
          <p><strong>15</strong> Ipsum</p>
          <p><strong>5</strong> Dolor</p>
          <p><strong>2</strong> Sit</p>
          <p><strong>Endless</strong> Amet</p>
        </div>
        <div class="panel-footer">
          <h3>$19</h3>
          <h4>per month</h4>
          <button class="btn btn-lg">Sign Up</button>
        </div>
      </div>
    </div>
    <div class="col-sm-4">
      <div class="panel panel-default text-center">
        <div class="panel-heading">
          <h1>Pro</h1>
        </div>
        <div class="panel-body">
          <p><strong>50</strong> Lorem</p>
          <p><strong>25</strong> Ipsum</p>
          <p><strong>10</strong> Dolor</p>
```

```html
        <p><strong>5</strong> Sit</p>
        <p><strong>Endless</strong> Amet</p>
      </div>
      <div class="panel-footer">
        <h3>$29</h3>
        <h4>per month</h4>
        <button class="btn btn-lg">Sign Up</button>
      </div>
    </div>
  </div>
  <div class="col-sm-4">
    <div class="panel panel-default text-center">
      <div class="panel-heading">
        <h1>Premium</h1>
      </div>
      <div class="panel-body">
        <p><strong>100</strong> Lorem</p>
        <p><strong>50</strong> Ipsum</p>
        <p><strong>25</strong> Dolor</p>
        <p><strong>10</strong> Sit</p>
        <p><strong>Endless</strong> Amet</p>
      </div>
      <div class="panel-footer">
        <h3>$49</h3>
        <h4>per month</h4>
        <button class="btn btn-lg">Sign Up</button>
      </div>
    </div>
  </div>
  </div>
</div>
```

Pricing

Choose a payment plan that works for you

Basic	Pro	Premium
20 Lorem	**50** Lorem	**100** Lorem
15 Ipsum	**25** Ipsum	**50** Ipsum
5 Dolor	**10** Dolor	**25** Dolor
2 Sit	**5** Sit	**10** Sit
Endless Amet	**Endless** Amet	**Endless** Amet
$19	$29	$49
per month	per month	per month
Sign Up	Sign Up	Sign Up

15. Stylizujemy panele w CSS

```css
.panel {
    border: 1px solid #f4511e;
    border-radius:0;
    transition: box-shadow 0.5s;
```

```css
}

.panel:hover {
    box-shadow: 5px 0px 40px rgba(0,0,0, .2);
}

.panel-footer .btn:hover {
    border: 1px solid #f4511e;
    background-color: #fff !important;
    color: #f4511e;
}

.panel-heading {
    color: #fff !important;
    background-color: #f4511e !important;
    padding: 25px;
    border-bottom: 1px solid transparent;
    border-top-left-radius: 0px;
    border-top-right-radius: 0px;
    border-bottom-left-radius: 0px;
    border-bottom-right-radius: 0px;
}

.panel-footer {
    background-color: #fff !important;
}

.panel-footer h3 {
    font-size: 32px;
}

.panel-footer h4 {
    color: #aaa;
    font-size: 14px;
}

.panel-footer .btn {
    margin: 15px 0;
    background-color: #f4511e;
    color: #fff;
}
```

Pricing

Choose a payment plan that works for you

Basic	Pro	Premium
20 Lorem	**50** Lorem	**100** Lorem
15 Ipsum	**25** Ipsum	**50** Ipsum
5 Dolor	**10** Dolor	**25** Dolor
2 Sit	**5** Sit	**10** Sit
Endless Amet	**Endless** Amet	**Endless** Amet
$19	$29	$49
per month	per month	per month
Sign Up	Sign Up	Sign Up

16. Dodajemy kontener **Contact** z informacjami kontaktowymi

```html
<div class="container-fluid bg-grey">
  <h2 class="text-center">CONTACT</h2>
  <div class="row">
    <div class="col-sm-5">
      <p>Contact us and we'll get back to you within 24 hours.</p>
      <p><span class="glyphicon glyphicon-map-marker"></span> Chicago, US</p>
      <p><span class="glyphicon glyphicon-phone"></span> +00 1515151515</p>
      <p><span class="glyphicon glyphicon-envelope"></span> myemail@something.com</p>
    </div>
    <div class="col-sm-7">
      <div class="row">
        <div class="col-sm-6 form-group">
          <input class="form-control" id="name" name="name" placeholder="Name" type="text"required>
        </div>
        <div class="col-sm-6 form-group">
          <input class="form-control" id="email" name="email" placeholder="Email" type="email"required>
        </div>
      </div>
      <textarea class="form-control" id="comments" name="comments" placeholder="Comment"rows="5"></textarea><br>
      <div class="row">
        <div class="col-sm-12 form-group">
          <button class="btn btn-default pull-right" type="submit">Send</button>
        </div>
      </div>
    </div>
  </div>
</div>
```
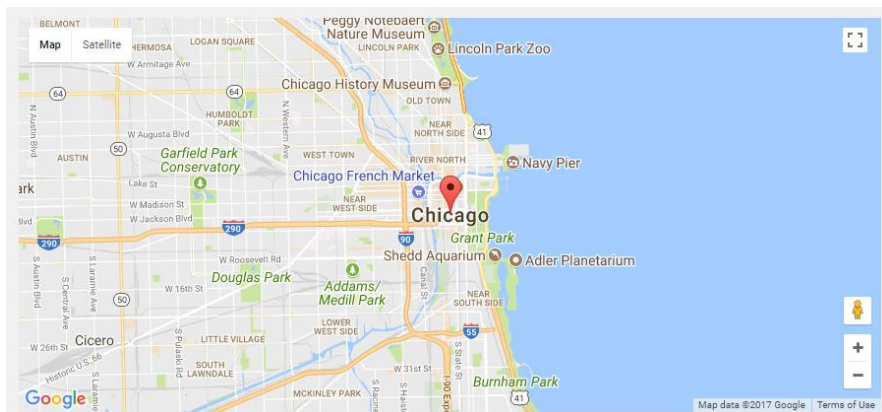
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17. Dodajemy mapy Google

```html
<div id="googleMap" style="height:400px;width:100%;"></div>
<script>
function myMap() {
var myCenter = new google.maps.LatLng(41.878114, -87.629798);
var mapProp = {center:myCenter, zoom:12, scrollwheel:false, draggable:false,
mapTypeId:google.maps.MapTypeId.ROADMAP};
var map = new google.maps.Map(document.getElementById("googleMap"),mapProp);
var marker = new google.maps.Marker({position:myCenter});
marker.setMap(map);
}
</script>
<script src="https://maps.googleapis.com/maps/api/js?key=YourKey&callback=myMap"></script>
```
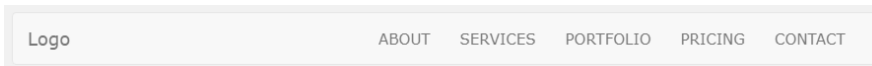

18. Dodajemy pasek nawigacyjny na górze witryny (po otwierającym znaczniku body) który zwija się przy mniejszych ekranach

```html
<nav class="navbar navbar-default navbar-fixed-top">
  <div class="container">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#">Logo</a>
    </div>
    <div class="collapse navbar-collapse" id="myNavbar">
```

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```html
    <ul class="nav navbar-nav navbar-right">
      <li><a href="#about">ABOUT</a></li>
      <li><a href="#services">SERVICES</a></li>
      <li><a href="#portfolio">PORTFOLIO</a></li>
      <li><a href="#pricing">PRICING</a></li>
      <li><a href="#contact">CONTACT</a></li>
    </ul>
  </div>
 </div>
</nav>
```

| Logo | ABOUT SERVICES PORTFOLIO PRICING CONTACT |

19. Stylizujemy pasek nawigacyjny w CSS

```css
.navbar {
    margin-bottom: 0;
    background-color: #f4511e;
    z-index: 9999;
    border: 0;
    font-size: 12px !important;
    line-height: 1.42857143 !important;
    letter-spacing: 4px;
    border-radius: 0;
}

.navbar li a, .navbar .navbar-brand {
    color: #fff !important;
}

.navbar-nav li a:hover, .navbar-nav li.active a {
    color: #f4511e !important;
    background-color: #fff !important;
}

.navbar-default .navbar-toggle {
    border-color: transparent;
    color: #fff !important;
}
```

| Logo | ABOUT SERVICES PORTFOLIO PRICING CONTACT |

20. Dodajemy komponent **Scrollspy** który oznacza aktywuje element menu w miarę przeglądania treści

```html
<body id="myPage" data-spy="scroll" data-target=".navbar" data-offset="60">

<div id="about" class="container-fluid">
<div id="services" class="container-fluid">
<div id="portfolio" class="container-fluid">
<div id="pricing" class="container-fluid">
<div id="contact" class="container-fluid">
```

21. Dodajemy stopkę strony, dodajemy strzałkę powrotu na początek strony

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```html
<style>
footer .glyphicon {
    font-size: 20px;
    margin-bottom: 20px;
    color: #f4511e;
}
</style>

<footer class="container-fluid text-center">
  <a href="#myPage" title="To Top">
    <span class="glyphicon glyphicon-chevron-up"></span>
  </a>
  <p>Blue Orange Company<a href="https://www.blueorangecompany.com" title="Visit Our
Website">www.blueorangecompany.com</a></p>
</footer>
```

⌃

Blue Orange Company www.blueorangecompany.com

Visit Our Website