

Лабораторна робота № 6

Тема: Фреймворк Bootstrap.

Мета: Навчитись використовувати фреймворк Bootstrap для забезпечення більш швидкого процесу верстки веб-сторінок.

Хід лабораторної роботи

Постановка задачі

Створити сторінку відповідно до макета:



Верстати макет за принципом mobile-first - спочатку для екранів мобільних, додати анімацію за допомогою бібліотеки Animate.css.

Розв'язання

1. Встановлено Figma для більш зручного перегляду компонентів заданого шаблону.
2. Створено новий проект та підключено Bootstrap.

3. Реалізовано макет сторінки.

HTML-код сторінки:

```
<!DOCTYPE html>
<html class="no-js" lang="en">

<head>
  <title>Index</title>
  <meta http-equiv="x-ua-compatible" content="ie=edge">
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <link rel="stylesheet" href="../css/main.css">
  <link rel="stylesheet" href="../css/animate.min.css">
  <link rel="stylesheet" href="../css/aos.css">
  <link rel="stylesheet" href="../css/bootstrap-icons.css">

  <!-- CSS only -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">

  <!-- JavaScript Bundle with Popper -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
ka7Sk0GlN4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>

  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.8.1/font/bootstrap-icons.css">
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/animate.css@4.1.1/animate.min.css"
/>
</head>

<body>

  <header class="position-relative" data-aos="fade-down">
    <div class="background position-absolute z-index_-1 w-100 h-100"></img>
    <div class="filter dark-filter-diagonal"></div>
  </div>
  <div class="container">
    <nav class="navbar navbar-expand-lg navbar-dark py-4"><a
class="navbar-brand" href="#">
      <h1 class="h3 mt-0">BrandName</h1>
    </nav>
  </div>
</body>
</html>
```

```

        </a><button class="navbar-toggler" type="button" data-bs-
target="#navbarSupportedContent"
        data-bs-toggle="collapse" aria-
controls="navbarSupportedContent" aria-expanded="false"
        aria-label="Toggle navigation"><span class="navbar-toggler-
icon"></span></button>
        <div class="collapse navbar-collapse ms-lg-5 mt-4 mt-lg-0"
id="navbarSupportedContent">
            <ul class="navbar-nav align-items-center">
                <li class="nav-item"><a class="nav-link"
href="#"><span>Home</span></a></li>
                <li class="nav-item"><a class="nav-link"
href="#"><span>Product</span></a></li>
                <li class="nav-item"><a class="nav-link"
href="#"><span>Pricing</span></a></li>
                <li class="nav-item"><a class="nav-link"
href="#"><span>Contact</span></a></li>
            </ul>
            <ul class="navbar-nav mt-4 mt-lg-0 ms-auto align-items-
center">
                <li class="nav-item"><a class="nav-link light-text-color"
href="#"><strong>Login</strong></a>
                </li>
                <li class="nav-item ms-lg-4 mt-4 mt-lg-0"><button
class="btn primary-color"><span
class="btn-text light-text-color">Become a
member</span><i
class="bi bi-arrow-right-short icn-xs light-
text-color"
style="margin-left: 15px"></i></button></li>
            </ul>
        </div>
    </nav>
</div>
<div class="container py-6 py-lg-10">
    <div class="row justify-content-between align-items-stretch">
        <div class="col-md-7 mb-5 mb-lg-0 text-center text-md-start">
            <h1 class="h1 light-text-color mt-0">We Ensure A Best
Insurance Service</h1>
            <h4 class="h4 light-text-color animate__animated
animate__fadeInUp" style="margin-top: 35px">We know
            how large objects will act,
            but things on a small scale.</h4>
            <div class="cta" style="margin-top: 35px"><button
            class="btn primary-color btn-round mb-4 mb-sm-
0"><span class="btn-text">Get Quote
            Now</span></button><button
            class="btn light-text-color btn-round btn-outline mb-
4 mb-sm-0 mx-2"><span
            class="btn-text">Learn More</span></button></div>
        </div>

```



```

<div class="container py-7 py-md-9">
  <div class="row justify-content-center">
    <div class="text-center col-lg-6">
      <h2 class="h2 light-text-color">Industry</h2>
      <p class="paragraph light-text-color" style="margin-top:
10px">Problems trying to resolve the
        conflict between
        the two major realms of Classical physics: Newtonian
mechanics </p>
    </div>
  </div>
  <div class="row justify-content-center align-items-stretch mt-5 mt-
md-7">
    <div class="col-md-6 mb-4 mb-lg-0">
      <div class="rounded position-relative" style="padding: 20px
0">
        <div class="card-content light-background-color ms-sm-5"
style="padding: 30px 40px">
          <div>
            <h3 class="h3 text-color">Regina Miles</h3>
            <h6 class="h6 text-color" style="margin-top:
5px">Designer</h6>
          </div>
          <div class="stars" style="margin-top: 15px"><i
            class="bi bi-star-fill icn-sm text-
warning"></i><i
              class="bi bi-star-fill icn-sm text-warning"
style="margin-left: 5px"></i><i
              class="bi bi-star-fill icn-sm text-warning"
style="margin-left: 5px"></i><i
              class="bi bi-star-fill icn-sm text-warning"
style="margin-left: 5px"></i><i
              class="bi bi-star icn-sm text-warning"
style="margin-left: 5px"></i></div>
          <p class="paragraph second-text-color" style="margin-
top: 15px">This proved to be impossible
            using the traditional
            concepts of space and time. Einstein developed a
            new view of time first and then space. This
proved
            to be impossible using the traditional concepts
of
            space and time. Einstein developed a new view
            of time first and then space.</p>
        </div>
        <div class="circle-box circle-md position-absolute d-none
d-sm-block"
          style="left: 0; top: 50px"></img></div>
      </div>
    </div>
  </div>

```

```

<div class="col-md-6 mb-4 mb-lg-0">
  <div class="rounded position-relative" style="padding: 20px
0">
    <div class="card-content light-background-color ms-sm-5"
style="padding: 30px 40px">
      <div>
        <h3 class="h3 text-color">Regina Miles</h3>
        <h6 class="h6 text-color" style="margin-top:
5px">Designer</h6>
      </div>
      <div class="stars" style="margin-top: 15px"><i
class="bi bi-star-fill icn-sm text-
warning"></i><i
class="bi bi-star-fill icn-sm text-warning"
style="margin-left: 5px"></i><i
class="bi bi-star-fill icn-sm text-warning"
style="margin-left: 5px"></i><i
class="bi bi-star-fill icn-sm text-warning"
style="margin-left: 5px"></i><i
class="bi bi-star icn-sm text-warning"
style="margin-left: 5px"></i></div>
      <p class="paragraph second-text-color" style="margin-
top: 15px">This proved to be impossible
        using the traditional
        concepts of space and time. Einstein developed a
        new view of time first and then space. This
proved
        to be impossible using the traditional concepts
of
        space and time. Einstein developed a new view
        of time first and then space.</p>
      </div>
      <div class="circle-box circle-md position-absolute d-none
d-sm-block"
style="left: 0; top: 50px"></img></div>
    </div>
  </div>
</div>
</section>
<section class="dark-background-color">
  <div class="container-fluid py-7 py-md-9">
    <div class="row justify-content-center">
      <div class="text-center col-lg-6">
        <h2 class="h2 light-text-color">Industry</h2>
        <p class="paragraph light-text-color" style="margin-top:
10px">Problems trying to resolve the
          conflict between
          the two major realms of Classical physics: Newtonian
mechanics </p>

```

```

        </div>
    </div>
    <div class="row align-items-stretch mt-5 mt-md-8">
        <div class="col-lg-3 col-md-6 mb-5 mb-lg-0">
            <div class="card-item cover rounded dark d-flex align-items-
end">
                <div class="media bg-cover"></img>
                <div class="filter"></div>
            </div>
            <div class="card-content" style="margin-top: 60%;
padding: 20px 20px"><a
                class="h6 light-text-color" href="#">Tax
Management</a>
                <h4 class="h4 light-text-color" style="margin-top:
15px">Life Tips From Top Ten
                Adventure Travelers</h4><button class="btn
primary-color btn-round "
                style="margin-top: 15px"><span>View
Project</span></button>
            </div>
        </div>
    </div>
    <div class="col-lg-3 col-md-6 mb-5 mb-lg-0">
        <div class="card-item cover rounded dark d-flex align-items-
end">
            <div class="media bg-cover"></img>
            <div class="filter"></div>
        </div>
        <div class="card-content" style="margin-top: 60%;
padding: 20px 20px"><a
            class="h6 light-text-color" href="#">Tax
Management</a>
            <h4 class="h4 light-text-color" style="margin-top:
15px">Life Tips From Top Ten
            Adventure Travelers</h4><button class="btn
primary-color btn-round "
            style="margin-top: 15px"><span>View
Project</span></button>
        </div>
    </div>
    <div class="col-lg-3 col-md-6 mb-5 mb-lg-0">
        <div class="card-item cover rounded dark d-flex align-items-
end">
            <div class="media bg-cover"></img>
            <div class="filter"></div>
        </div>

```

```

<div class="card-content" style="margin-top: 60%;
padding: 20px 20px"><a
                                class="h6 light-text-color" href="#">Tax
Management</a>
                                <h4 class="h4 light-text-color" style="margin-top:
15px">Life Tips From Top Ten
                                Adventure Travelers</h4><button class="btn
primary-color btn-round "
                                style="margin-top: 15px"><span>View
Project</span></button>
                                </div>
                            </div>
                        </div>
                    <div class="col-lg-3 col-md-6">
                        <div class="card-item cover rounded dark d-flex align-items-
end">
                            <div class="media bg-cover"></img>
                            <div class="filter"></div>
                        </div>
                        <div class="card-content" style="margin-top: 60%;
padding: 20px 20px"><a
                                    class="h6 light-text-color" href="#">Tax
Management</a>
                                    <h4 class="h4 light-text-color" style="margin-top:
15px">Life Tips From Top Ten
                                    Adventure Travelers</h4><button class="btn
primary-color btn-round "
                                    style="margin-top: 15px"><span>View
Project</span></button>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </section>
                <section class="dark-background-color">
                    <div class="container py-5 py-md-9">
                        <div class="row justify-content-center">
                            <div class="text-center col-lg-6">
                                <h2 class="h2 light-text-color">Pricing</h2>
                                <p class="paragraph light-text-color" style="margin-top:
10px">Problems trying to resolve the
                                conflict between
                                the two major realms of Classical physics: Newtonian
mechanics </p>
                            </div>
                        </div>
                    </div>
                <div class="row align-items-stretch mt-5 mt-md-7" style="margin-top:
80px">
                    <div class="col-lg-4 mb-5 mb-lg-0">

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```

        <div>
            <div class="card-item rounded light-background-color "
style="padding: 50px 40px">
                <h3 class="h3 text-color text-center">FREE</h3>
                <h5 class="h5 second-text-color text-center"
style="margin-top: 35px">Organize across all
                    apps by hand</h5>
                <div class="price text-center" style="margin-top:
35px">
                    <h2 class="h2 primary-text-color">0$</h2>
                    <h5 class="h5 disabled-element-text-color">Per
Month</h5>
                </div><button class="btn primary-color w-100"
style="margin-top: 35px"><span>Try for
                    free</span></button>
                <div class="features-list" style="margin-top: 35px">
                    <div class="feature-item d-flex align-items-
center">
                        <div class="icn-circle circle-xs secondary-
color-1"><i
                            class="bi bi-check2 icn-xs light-
text-color"></i></div>
                        <h6 class="h6 text-color" style="margin-left:
10px">Unlimited product updates
                            </h6>
                        </div>
                        <div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
                            <div class="icn-circle circle-xs secondary-
color-1"><i
                                class="bi bi-check2 icn-xs light-
text-color"></i></div>
                            <h6 class="h6 text-color" style="margin-left:
10px">Unlimited product updates
                                </h6>
                            </div>
                            <div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
                                <div class="icn-circle circle-xs secondary-
color-1"><i
                                    class="bi bi-check2 icn-xs light-
text-color"></i></div>
                                    <div class="h6 text-color" style="margin-
left: 10px">Unlimited product updates
                                        </div>
                                    </div>
                                    <div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
                                        <div class="icn-circle circle-xs muted-
color"><i

```

```

class="bi bi-check2 icn-xs light-
text-color"></i></div>
<h6 class="h6 text-color" style="margin-left:
10px">1GB Cloud storage
</h6>
</div>
<div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
<div class="icn-circle circle-xs muted-
color"><i
class="bi bi-check2 icn-xs light-
text-color"></i></div>
<h6 class="h6 text-color" style="margin-left:
10px">Email and community
support
</h6>
</div>
</div>
</div>
</div>
<div class="col-lg-4 mb-5 mb-lg-0">
<div class="position-relative">
<div class="card-item rounded light-background-color "
style="padding: 50px 40px">
<h3 class="h3 text-color text-center">Silver</h3>
<h5 class="h5 second-text-color text-center"
style="margin-top: 35px">Organize across all
apps by hand</h5>
<div class="price text-center" style="margin-top:
35px">
<h2 class="h2 primary-text-color">9.99$</h2>
<h5 class="h5 disabled-element-text-color">Per
Month</h5>
</div><button class="btn primary-color w-100"
style="margin-top: 35px"><span>Try for
free</span></button>
<div class="features-list" style="margin-top: 35px">
<div class="feature-item d-flex align-items-
center">
<div class="icn-circle circle-xs secondary-
color-1"><i
class="bi bi-check2 icn-xs light-
text-color"></i></div>
<h6 class="h6 text-color" style="margin-left:
10px">Unlimited product updates
</h6>
</div>
<div class="feature-item d-flex align-items-
center" style="margin-top: 15px">

```

```


<i
class="bi bi-check2 icn-xs light-
text-color"></i></div>
<h6 class="h6 text-color" style="margin-left:
10px">Unlimited product updates
</h6>
</div>
<div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
<div class="icn-circle circle-xs secondary-
color-1"><i
class="bi bi-check2 icn-xs light-
text-color"></i></div>
<div class="h6 text-color" style="margin-
left: 10px">Unlimited product updates
</div>
</div>
<div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
<div class="icn-circle circle-xs muted-
color"><i
class="bi bi-check2 icn-xs light-
text-color"></i></div>
<h6 class="h6 text-color" style="margin-left:
10px">1GB Cloud storage
</h6>
</div>
<div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
<div class="icn-circle circle-xs muted-
color"><i
class="bi bi-check2 icn-xs light-
text-color"></i></div>
<h6 class="h6 text-color" style="margin-left:
10px">Email and community
support
</h6>
</div>
</div>
<div class="circle-box circle-lg secondary-color-2 d-
flex align-items-center justify-content-center position-absolute z-index-10"
style="right: 15px; top: -45px">
<h3 class="h3 light-text-color">New</h3>
</div>
</div>
</div>
<div class="col-lg-4 ">
<div>


```

```

        <div class="card-item rounded light-background-color "
style="padding: 50px 40px">
            <h3 class="h3 text-color text-center">GOLD</h3>
            <h5 class="h5 second-text-color text-center"
style="margin-top: 35px">Organize across all
                apps by hand</h5>
            <div class="price text-center" style="margin-top:
35px">
                <h2 class="h2 primary-text-color">19.99$</h2>
                <h5 class="h5 disabled-element-text-color">Per
Month</h5>
            </div><button class="btn primary-color w-100"
style="margin-top: 35px"><span>Try for
                free</span></button>
            <div class="features-list" style="margin-top: 35px">
                <div class="feature-item d-flex align-items-
center">
                    <div class="icn-circle circle-xs secondary-
color-1"><i
                        class="bi bi-check2 icn-xs light-
text-color"></i></div>
                    <h6 class="h6 text-color" style="margin-left:
10px">Unlimited product updates
                        </h6>
                    </div>
                    <div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
                        <div class="icn-circle circle-xs secondary-
color-1"><i
                            class="bi bi-check2 icn-xs light-
text-color"></i></div>
                        <h6 class="h6 text-color" style="margin-left:
10px">Unlimited product updates
                            </h6>
                        </div>
                        <div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
                            <div class="icn-circle circle-xs secondary-
color-1"><i
                                class="bi bi-check2 icn-xs light-
text-color"></i></div>
                            <div class="h6 text-color" style="margin-
left: 10px">Unlimited product updates
                                </div>
                            </div>
                            <div class="feature-item d-flex align-items-
center" style="margin-top: 15px">
                                <div class="icn-circle circle-xs muted-
color"><i
                                    class="bi bi-check2 icn-xs light-
text-color"></i></div>

```

```
<h6 class="h6 text-color" style="margin-left:  
10px">1GB Cloud storage  
  
</h6>  
</div>  
<div class="feature-item d-flex align-items-  
center" style="margin-top: 15px">  
  
<div class="icn-circle circle-xs muted-  
color"><i  
  
class="bi bi-check2 icn-xs light-  
text-color"></i></div>  
  
<h6 class="h6 text-color" style="margin-left:  
10px">Email and community support  
  
</h6>  
</div>  
</div>  
</div>  
</div>  
</div>  
</div>  
</div>  
</section>  
<div>  
  <div class="background position-absolute z-index_-1 w-100 h-100"></img>  
  <div class="filter light-filter-diagonal"></div>  
</div>  
  <div class="container py-5">  
    <div class="row">  
      <div class="col-lg-7">  
        <div class="round py-5 text-center text-lg-start">  
          <div>  
            <h5 class="h5 text-color">Contact Us</h5>  
            <h2 class="h2 text-color" style="margin-top:  
10px">Make an Appointment</h2>  
          </div>  
          <div class="card-content" style="margin-top: 40px">  
            <div class="row">  
              <div class="form-group col-md-6"><input  
type="text" class="form-control" type="text"  
placeholder="Full Name * "></input  
type="text"></div>  
              <div class="form-group col-md-6 mt-3 mt-md-  
0"><input type="text" class="form-control"  
type="text" placeholder="Email *  
"></input type="text"></div>  
            </div>  
            <div class="row mt-3">  
              <div class="form-group col-md-6"><select  
class="form-select">
```

```

                                <option>Please Select</option><svg
width="8" height="14" viewBox="0 0 8 14"
                                fill="none"
xmlns="http://www.w3.org/2000/svg">
                                <path d="M 0 12 L 5 7 L 0 2 L 1 0 L 8
7 L 1 14 L 0 12 Z"
                                fill="rgb(115, 115, 115)" />
                                </svg>
                                <option>List Entry # 1</option>
                                <option>List Entry # 2</option>
                                <option>List Entry # 3</option>
                                <option>List Entry # 4</option>
                                <option>List Entry # 5</option>
                                </select></div>
                                <div class="form-group col-md-6 mt-3 mt-md-
0"><select class="form-select">
                                <option>4:00 Available</option><svg
width="8" height="14" viewBox="0 0 8 14"
                                fill="none"
xmlns="http://www.w3.org/2000/svg">
                                <path d="M 0 12 L 5 7 L 0 2 L 1 0 L 8
7 L 1 14 L 0 12 Z"
                                fill="rgb(115, 115, 115)" />
                                </svg>
                                <option>List Entry # 1</option>
                                <option>List Entry # 2</option>
                                <option>List Entry # 3</option>
                                <option>List Entry # 4</option>
                                <option>List Entry # 5</option>
                                </select></div>
                                </div><textarea class="form-control"
placeholder="Message"
                                style="margin-top: 20px"></textarea>
                                </div><button class="btn primary-color" style="margin-
top: 40px"><span>Book
                                Appointment</span></button>
                                </div>
                                </div>
                                </div>
                                </div>
                                </div>
                                <div class="position-relative light-gray-1">
                                <div class="container py-4">
                                <div class="row justify-content-between align-items-center">
                                <div class="col-md-8 mb-4 mb-md-0">
                                <h3 class="h3 text-color">Consulting Agency For Your
Business</h3>
                                <p class="paragraph second-text-color" style="margin-top:
10px">the quick fox jumps over the
                                lazy dog</p>

```

```

        </div>
        <div class="col-md-3 text-md-center"><button class="btn
primary-color"><span
                                class="btn-text">Contact Us</span></button></div>
        </div>
    </div>
</div>
<div class="position-relative dark-background-color">
    <div class="container py-5">
        <div class="row align-items-stretch">
            <div class="col-lg-2 col-md-4 mb-5 mb-lg-0">
                <h5 class="h5 light-text-color">Company Info</h5>
                <div class="links" style="margin-top: 20px"><a
class="link d-block light-text-color"
                                href="#">About Us</a><a class="link d-block
light-text-color" href="#"
                                style="margin-top: 10px">Carrier</a><a
class="link d-block light-text-color" href="#"
                                style="margin-top: 10px">We are hiring</a><a
class="link d-block light-text-color"
                                href="#" style="margin-top: 10px">Blog</a></div>
            </div>
            <div class="col-lg-2 col-md-4 mb-5 mb-lg-0">
                <h5 class="h5 light-text-color">Legal</h5>
                <div class="links" style="margin-top: 20px"><a
class="link d-block light-text-color"
                                href="#">About Us</a><a class="link d-block
light-text-color" href="#"
                                style="margin-top: 10px">Carrier</a><a
class="link d-block light-text-color" href="#"
                                style="margin-top: 10px">We are hiring</a><a
class="link d-block light-text-color"
                                href="#" style="margin-top: 10px">Blog</a></div>
            </div>
            <div class="col-lg-2 col-md-4 mb-5 mb-lg-0">
                <h5 class="h5 light-text-color">Features</h5>
                <div class="links" style="margin-top: 20px"><a
class="link d-block light-text-color"
                                href="#">Business Marketing</a><a class="link d-
block light-text-color" href="#"
                                style="margin-top: 10px">User Analytic</a><a
class="link d-block light-text-color"
                                href="#" style="margin-top: 10px">Live Chat</a><a
class="link d-block light-text-color"
                                href="#" style="margin-top: 10px">Unlimited
Support</a></div>
            </div>
            <div class="col-lg-2 col-md-4 mb-5 mb-lg-0">
                <h5 class="h5 light-text-color">Resources</h5>
                <div class="links" style="margin-top: 20px"><a
class="link d-block light-text-color"

```

```



```



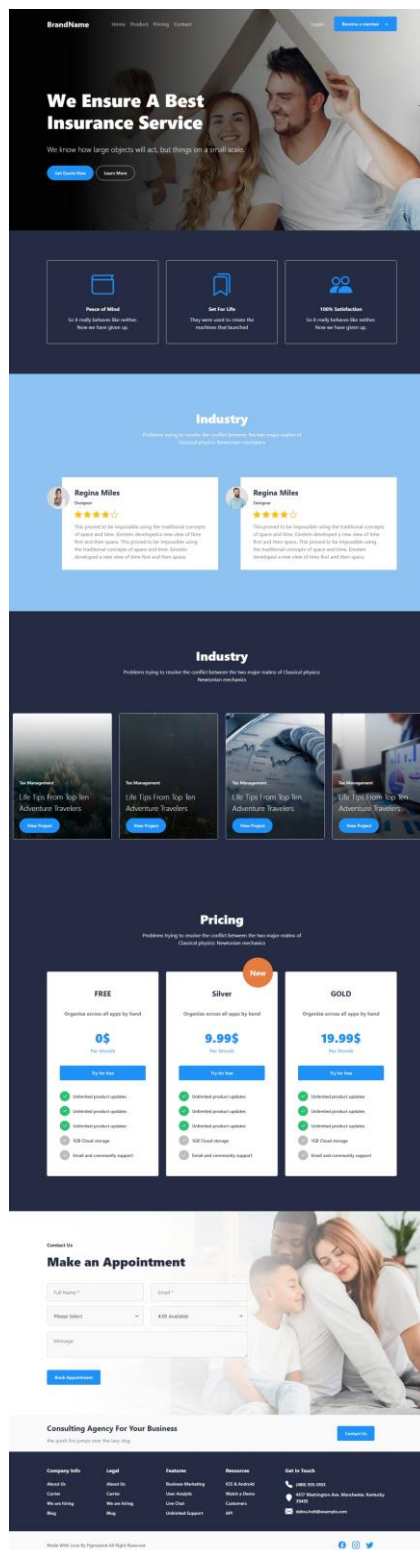
```

        width: 100%;
        height: 10vw;
        z-index: 1;
    }
}
.map-container {
    height: 20rem;
}
.newsletter_form {
    position: relative;
    .submit {
        width: 100%;
    }
}
.article_sidebar {
    display: none;
    a {

        &:hover {
            color: $primary;
            border-right: 3px solid $primary;
        }
    }
    @media (min-width: 992px) {
        display: block;
    }
}
.fixed-sidebar {
    @media (min-width: 992px) {
        .article_sidebar {
            position: fixed;
            top: 2rem;
            width: 280px;
        }
        .article_body {
            margin-left: 25%;
        }
    }
}
.modal {
    z-index: 100;
    /*width: initial!important;*/
    max-width: inherit!important;
}

```

Результат роботи:



Висновок: У ході лабораторної роботи ми навчились використовувати фреймворк Bootstrap для забезпечення більш швидкого процесу верстки веб-сторінок.