Batch: B4 Roll No.:16010122828

Experiment No. 03

TITLE: Demonstrate the use of Bootstrap

AIM: To use bootstrap (open source front-end development framework) for the creation of web pages.

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Expected Outcome of Experiment: Re_design of web pages using various HTML, CSS tags with bootstrap.

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Books/ Journals/ Websites referred:

http://getbootstrap.com/getting-started

_____

Problem Statement:

1) **Create a webpage using bootstrap with following features,**

    i)   use a container to set the content's margins dealing with the responsive behaviors of layout.

    Code:-

```html
<!DOCTYPE html>
<html>
<head>
  <title>Bootstrap Container Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>
  <div class="container">
    <h1>My Heading</h1>
    <p class="mt-4">Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Sed lacinia enim ut nunc dictum, euismod bibendum nibh suscipit. Praesent ut
elit nec tellus scelerisque sagittis in vel ante.</p>
    <img src="bill cipher.jpg" class="mb-4">
```

```html
    </div>

    <!-- Bootstrap JavaScript -->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>
```
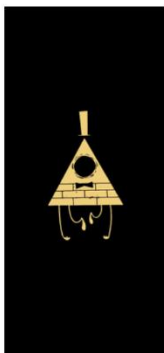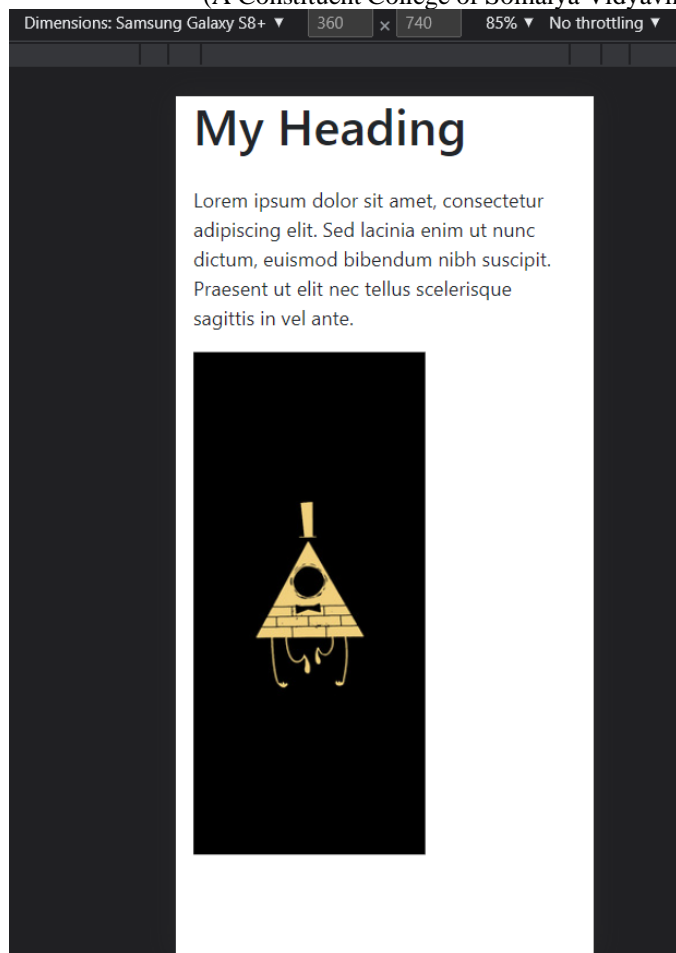
Output:-

My Heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed lacinia enim ut nunc dictum, euismod bibendum nibh suscipit. Praesent ut elit nec tellus scelerisque sagittis in vel ante.

Dimensions: Samsung Galaxy S8+ ▼ | 360 | × | 740 | 85% ▼ No throttling ▼

My Heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed lacinia enim ut nunc dictum, euismod bibendum nibh suscipit. Praesent ut elit nec tellus scelerisque sagittis in vel ante.

ii)   shape the image into a circle

Code:-

```html
<!DOCTYPE html>
<html>
<head>
  <title>Bootstrap Circle Image Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <style>
    .image-container {
      position: relative;
      margin-top: 50px;
    }
    .original-image {
      display: none;
      position: absolute;
      top: 0;
      left: 0;
      right: 0;
      bottom: 0;
      margin: auto;
    }
    .image-container:hover .original-image {
      display: block;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="image-container">
      <img src="kungfu2.jpeg" class="rounded-circle">
      <img src="kungfu2.jpeg" class="original-image">
    </div>
  </div>

  <!-- Bootstrap JavaScript -->
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
```

```
</body>
</html>
```

Output:-

127.0.0.1:5500/shape.html

iii)   use bootstrap grid system
        Code:-

```html
<!DOCTYPE html>
<html>
<head>
  <title>Bootstrap Grid Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>
  <div class="container">
    <div class="row">
      <div class="col-sm-4">
        <h2>Column 1</h2>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam
vestibulum pharetra sapien, vel dictum felis facilisis et.</p>
      </div>
      <div class="col-sm-4">
        <h2>Column 2</h2>
        <p>Integer nec sem tellus. Praesent euismod dui in eros consequat, a
lacinia nisi iaculis.</p>
      </div>
      <div class="col-sm-4">
        <h2>Column 3</h2>
        <p>Suspendisse vel urna nec arcu condimentum pharetra. Nam nec risus
magna.</p>
      </div>
    </div>
  </div>

  <!-- Bootstrap JavaScript -->
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>
```

Output:-

Column 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam vestibulum pharetra sapien, vel dictum felis facilisis et.

Column 2

Integer nec sem tellus. Praesent euismod dui in eros consequat, a lacinia nisi iaculis.

Column 3

Suspendisse vel urna nec arcu condimentum pharetra. Nam nec risus magna.

iv) create basic pagination

code:-

```html
<!DOCTYPE html>
<html>
<head>
  <title>Bootstrap Pagination Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>
  <div class="container">
    <h2>Example Pagination</h2>
    <ul class="pagination">
      <li class="page-item"><a class="page-link" href="#">Previous</a></li>
      <li class="page-item"><a class="page-link" href="#">1</a></li>
      <li class="page-item"><a class="page-link" href="#">2</a></li>
      <li class="page-item"><a class="page-link" href="#">3</a></li>
      <li class="page-item"><a class="page-link" href="#">Next</a></li>
    </ul>
  </div>

  <!-- Bootstrap JavaScript -->
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scri
pt>
```

```
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.j
s"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></s
cript>
</body>
</html>
```

Output:-

iv)   insert search icon(glyphicon)

Code:-

```html
<!DOCTYPE html>
<html>
<head>
  <title>Bootstrap Search Icon Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <!-- Optional theme -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap-
theme.min.css">
  <!-- Bootstrap JavaScript -->
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
</head>
<body>
  <div class="container">
    <h2>Search Example</h2>
    <div class="input-group">
      <input type="text" class="form-control" placeholder="Search">
      <div class="input-group-btn">
        <button class="btn btn-default" type="submit">
          <i class="glyphicon glyphicon-search"></i>
        </button>
      </div>
    </div>
  </div>
</body>
</html>
```

Output:-

2) **Students have to re-design web-pages developed in Experiment 1 and 2 by using bootstrap.**

Code:-

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Farm To Home</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="assets/img/favicon.png" rel="icon">
  <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Montserrat:300,400,500,700|Open
+Sans:300,300i,400,400i,700,700i" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap/css/bootstrap.min.css"
rel="stylesheet">
  <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css"
rel="stylesheet">
  <link href="assets/vendor/glightbox/css/glightbox.min.css"
rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="assets/css/style.css" rel="stylesheet">

  <!-- =======================================================
  * Template Name: Avilon - v4.6.1
  * Template URL: https://bootstrapmade.com/avilon-bootstrap-landing-page-
template/
  * Author: BootstrapMade.com
  * License: https://bootstrapmade.com/license/
  ======================================================== -->
</head>

<body>

  <!-- ======= Header ======= -->
  <header id="header" class="fixed-top d-flex align-items-center header-
transparent">
```

```html
    <div class="container d-flex justify-content-between align-items-center">

      <div id="logo">
        <h1><a href="index.html">Farm To Home</a></h1>
        <!-- Uncomment below if you prefer to use an image logo -->
        <!-- <a href="index.html"><img src="assets/img/logo.png" alt=""></a>
-->
      </div>

      <nav id="navbar" class="navbar">
        <ul>
          <li><a class="nav-link scrollto active" href="#hero">Home</a></li>
          <li><a class="nav-link scrollto" href="#about">About</a></li>
          <li><a class="nav-link scrollto" href="#features">Features</a></li>
          <li><a class="nav-link scrollto" href="#team">Team</a></li>
          <li><a class="nav-link scrollto" href="#gallery">Gallery</a></li>
          <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
          <li><a class="nav-link scrolltoq"
href="dfsms/index.php">Login</a></li>
        </ul>
        <i class="bi bi-list mobile-nav-toggle"></i>
      </nav><!-- .navbar -->
    </div>
  </header><!-- End Header -->

  <!-- ======= Hero Section ======= -->
  <section id="hero">

    <div class="hero-text" data-aos="zoom-out">
      <h2>Welcome to Farm To Home</h2>
      <p>Every Time You Buy Organic, You're Persuading More Farmers To Grow
Organic.</p>
      <a href="#about" class="btn-get-started scrollto">Get Started</a>
    </div>

    <!-- <div class="product-screens">

    <div class="product-screen-1" data-aos="fade-up" data-aos-delay="400">
      <img src="assets/img/product-screen-1.png" alt="">
    </div>

    <div class="product-screen-2" data-aos="fade-up" data-aos-delay="200">
      <img src="assets/img/product-screen-2.png" alt="">
    </div>

    <div class="product-screen-3" data-aos="fade-up">
      <img src="assets/img/product-screen-3.png" alt="">
    </div>
```

```html
        </div> -->

    </section><!-- End Hero Section -->

    <main id="main">

        <!-- ======= About Section ======= -->
        <section id="about" class="section-bg">
            <div class="container-fluid" data-aos="fade-up">
                <div class="section-header">
                    <h3 class="section-title">About Us</h3>
                    <span class="section-divider"></span>
                    <p class="section-description">
                        The sole purpose of this web application is tracking the Expiry
of the particular batch so as to reduce the wastage and carry out timely
transport.
                    </p>
                </div>

                <div class="row">
                    <div class="col-lg-6 about-img" data-aos="fade-right" dat-aos-
delay="100">
                        <img src="assets/img/about-img2.jpg" alt="">
                    </div>

                    <div class="col-lg-6 content" data-aos="fade-left" dat-aos-
delay="100">
                        <h2>Organic foods are grown so that we get the required nutrients
in their natural forms. So it is very much necessary to look after their
storage process more carefully.</h2>

                        <p>
                            Our web application, ensures that the organic products do not
last or remain past their manufacturing date. <br>And the farmers, sales
office personnels , have the details of Every batch of products in one click.
i.e easy to access.
                        </p>



                        <p>
                            Our web application is a contribution in this market, which
might  be turn out a product very helpful for people who sell organic
products as well as for the ones who buy. <br> In the present market, there
are though many other applications similar to our, for the betterment of such
organic products . Our web application is a contribution in this market,
which might  be turn out a product very helpful for people who sell organic
products as well as for the ones who buy. Because nothing can beat the
natural locked nutrients one can get from the organic food.
```

```
            </p>
          </div>
        </div>

      </div>
    </section><!-- End About Section -->

    <!-- ======= Features Section ======= -->
    <section id="features">
      <div class="container" data-aos="fade-up">

        <div class="row">

          <div class="col-lg-8 offset-lg-4">
            <div class="section-header">
              <h3 class="section-title">Product Features</h3>
              <span class="section-divider"></span>
            </div>
          </div>

          <div class="col-lg-4 col-md-5 features-img">
            <img src="assets/img/2product-features.png" alt="" data-
aos="fade-right">
          </div>

          <div class="col-lg-8 col-md-7 ">

            <div class="row">

              <div class="col-lg-6 col-md-6 box" data-aos="fade-up">
                <div class="icon"><i class="bi bi-briefcase"></i></div>
                <h4 class="title">System will hold the data about Product
details and its validity days</a>
              </div>
              <div class="col-lg-6 col-md-6 box" data-aos="fade-up">
                <div class="icon"><i class="bi bi-card-checklist"></i></div>
                <h4 class="title">Users can create their profile on the web
application for operating purposes.</h4>

              </div>
              <div class="col-lg-6 col-md-6 box" data-aos="fade-up" dat-aos-
delay="100">

                <div class="icon"><i class="bi bi-binoculars"></i></div>
                <h4 class="title">Customizable: You can customize categories
of products.</h4>

              </div>
              <div class="col-lg-6 col-md-6 box" data-aos="fade-up" data-aos-
delay="100">
```

```html
                <div class="icon"><i class="bi bi-brightness-high"></i></div>
                <h4 class="title">The products can be searched by name of the
food and by the name of the farm and by batchcode as well.</h4>

            </div>
          </div>

        </div>

      </div>

    </section><!-- End Features Section -->


    <!-- ======= About Farmers ======= -->
    <section id="call-to-action">
      <div class="container">
        <div class="row">
          <div class="col-lg-9 text-center text-lg-start">
            <h3 class="cta-title">About Farmers</h3>
            <p class="cta-text"> Duis aute irure dolor in reprehenderit in
voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint
occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit
anim id est laborum.</p>
          </div>
          <div class="col-lg-3 cta-btn-container text-center">
            <a class="cta-btn align-middle" href="#">About Farmers</a>
          </div>
        </div>

      </div>
    </section><!-- End About Farmers -->

    <!-- ======= More Features Section ======= -->
    <section id="more-features" class="section-bg">
      <div class="container" data-aos="fade-up">

        <div class="section-header">
          <h3 class="section-title">More Features</h3>
          <span class="section-divider"></span>
          <p class="section-description"> The sole purpose of this web
application is tracking the Expiry of the particular batch so as to reduce
the wastage and carry out timely transport.</p>
        </div>

        <div class="row gy-4">
```

```html
        <div class="col-lg-6">
          <div class="box">
            <div class="icon"><i class="bi bi-briefcase"></i></div>
            <h4 class="title"><a href="">System will hold the data about
Product details and its validity days</a></h4>
            <p class="description"></p>
          </div>
        </div>

        <div class="col-lg-6">
          <div class="box">
            <div class="icon"><i class="bi bi-card-checklist"></i></div>
            <h4 class="title"><a href="">Users can create their profile on
the web application for operating purposes.</a></h4>
            <p class="description"></p>
          </div>
        </div>

        <div class="col-lg-6">
          <div class="box">
            <div class="icon"><i class="bi bi-bar-chart"></i></div>
            <h4 class="title"><a href="">Customizable: You can customize
categories of products.</a></h4>
            <p class="description"></p>
          </div>
        </div>

        <div class="col-lg-6">
          <div class="box">
            <div class="icon"><i class="bi bi-binoculars"></i></div>
            <h4 class="title"><a href="">The products can be searched by
name of the food and by the name of the farm and by batchcode as
well.</a></h4>
            <p class="description"></p>
          </div>
        </div>

      </div>
    </div>
  </section><!-- End More Features Section -->

  <!-- ======= Clients Section ======= -->
  <section id="clients">
    <div class="container" data-aos="fade-up">

      <div class="row">

        <div class="col-md-2">
```

```html
            <img src="assets/img/clients/client-1.png" alt="">
          </div>

          <div class="col-md-2">
            <img src="assets/img/clients/client-2.png" alt="">
          </div>

          <div class="col-md-2">
            <img src="assets/img/clients/client-3.png" alt="">
          </div>

          <div class="col-md-2">
            <img src="assets/img/clients/client-4.png" alt="">
          </div>

          <div class="col-md-2">
            <img src="assets/img/clients/client-5.png" alt="">
          </div>

          <div class="col-md-2">
            <img src="assets/img/clients/client-6.png" alt="">
          </div>

        </div>
      </div>
    </section><!-- End Clients Section -->

    <!-- ======= Pricing Section ======= -->
    <section id="pricing" class="section-bg">

    </section><!-- End Pricing Section -->



    <!-- ======= Team Section ======= -->
    <section id="team" class="section-bg">
      <div class="container text-center" data-aos="fade-up">
        <div class="section-header">
          <h3 class="section-title">Our Team</h3>
          <span class="section-divider"></span>
          <p class="section-description">Sed ut perspiciatis unde omnis iste
natus error sit voluptatem accusantium doloremque</p>
        </div>
        <div class="row">
          <div class="col ">
            <div class="member">
              <div class="pic"><img src="assets/img/team/3team-1.jpg"
alt=""></div>
                <h4>Tanaya Kadam</h4>
```

```html
        <span>Frontend Developer</span>
        <div class="social">
          <a href=""><i class="bi bi-twitter"></i></a>
          <a href=""><i class="bi bi-facebook"></i></a>
          <a href=""><i class="bi bi-instagram"></i></a>
          <a href=""><i class="bi bi-linkedin"></i></a>
        </div>
      </div>
    </div>

    <div class="col">
      <div class="member">
        <div class="pic"><img src="assets/img/team/2team-2.jpg"
alt=""></div>
        <h4>Rishab Chidurula</h4>
        <span>Backend Developer</span>
        <div class="social">
          <a href=""><i class="bi bi-twitter"></i></a>
          <a href=""><i class="bi bi-facebook"></i></a>
          <a href=""><i class="bi bi-instagram"></i></a>
          <a href=""><i class="bi bi-linkedin"></i></a>
        </div>
      </div>
    </div>

    <div class="col">
      <div class="member">
        <div class="pic"><img src="assets/img/team/team-3.jpg"
alt=""></div>
        <h4>Yuvraj Mishra</h4>
        <span>Data Analyst</span>
        <div class="social">
          <a href=""><i class="bi bi-twitter"></i></a>
          <a href=""><i class="bi bi-facebook"></i></a>
          <a href=""><i class="bi bi-instagram"></i></a>
          <a href=""><i class="bi bi-linkedin"></i></a>
        </div>
      </div>
    </div>

    <!-- <div class="col-lg-3 col-md-6">
      <div class="member">
        <div class="pic"><img src="assets/img/team/team-4.jpg"
alt=""></div>
        <h4>Amanda Jepson</h4>
        <span>Accountant</span>
        <div class="social">
          <a href=""><i class="bi bi-twitter"></i></a>
          <a href=""><i class="bi bi-facebook"></i></a>
```

```html
                    <a href=""><i class="bi bi-instagram"></i></a>
                    <a href=""><i class="bi bi-linkedin"></i></a>
                  </div>
                </div>
              </div> -->
          </div>

      </div>
    </section><!-- End Team Section -->

    <!-- ======= Gallery Section ======= -->
    <section id="gallery">
      <div class="container-fluid" data-aos="fade-up">
        <div class="section-header">
          <h3 class="section-title">Gallery</h3>
          <span class="section-divider"></span>
          <p class="section-description">Sed ut perspiciatis unde omnis iste
natus error sit voluptatem accusantium doloremque</p>
        </div>

        <div class="row g-0">

          <div class="col-lg-4 col-md-6">
            <div class="gallery-item">
              <a href="assets/img/gallery2/gallery-1.png" data-
gall="portfolioGallery" class="gallery-lightbox">
                <img src="assets/img/gallery2/gallery-1.png" alt="">
              </a>
            </div>
          </div>

          <div class="col-lg-4 col-md-6">
            <div class="gallery-item">
              <a href="assets/img/gallery2/gallery-2.png" data-
gall="portfolioGallery" class="gallery-lightbox">
                <img src="assets/img/gallery2/gallery-2.png" alt="">
              </a>
            </div>
          </div>

          <div class="col-lg-4 col-md-6">
            <div class="gallery-item">
              <a href="assets/img/gallery2/gallery-3.png" data-
gall="portfolioGallery" class="gallery-lightbox">
                <img src="assets/img/gallery2/gallery-3.png" alt="">
              </a>
            </div>
          </div>
```

```html
                <div class="col-lg-4 col-md-6">
                  <div class="gallery-item">
                    <a href="assets/img/gallery2/gallery-4.png" data-
gall="portfolioGallery" class="gallery-lightbox">
                      <img src="assets/img/gallery2/gallery-4.png" alt="">
                    </a>
                  </div>
                </div>

                <div class="col-lg-4 col-md-6">
                  <div class="gallery-item">
                    <a href="assets/img/gallery2/gallery-5.png" data-
gall="portfolioGallery" class="gallery-lightbox">
                      <img src="assets/img/gallery2/gallery-5.png" alt="">
                    </a>
                  </div>
                </div>

                <div class="col-lg-4 col-md-6">
                  <div class="gallery-item">
                    <a href="assets/img/gallery2/gallery-6.png" data-
gall="portfolioGallery" class="gallery-lightbox">
                      <img src="assets/img/gallery2/gallery-6.png" alt="">
                    </a>
                  </div>
                </div>

            </div>

          </div>
        </section><!-- End Gallery Section -->

        <!-- ======= Contact Section ======= -->
        <section id="contact">
          <div class="container" data-aos="fade-up">
            <div class="row">

                <div class="col-lg-4 col-md-4">
                  <div class="contact-about">
                    <h3>Farm To Home</h3>
                    <p>Cras fermentum odio eu feugiat. Justo eget magna fermentum
iaculis eu non diam phasellus. Scelerisque felis imperdiet proin fermentum
leo. Amet volutpat consequat mauris nunc congue.</p>
                    <div class="social-links">
                      <a href="#" class="twitter"><i class="bi bi-twitter"></i></a>
                      <a href="#" class="facebook"><i class="bi bi-
facebook"></i></a>
                      <a href="#" class="instagram"><i class="bi bi-
instagram"></i></a>
```

```html
                    <a href="#" class="instagram"><i class="bi bi-
instagram"></i></a>
                    <a href="#" class="linkedin"><i class="bi bi-
linkedin"></i></a>
                </div>
            </div>
        </div>

        <div class="col-lg-3 col-md-4">
          <div class="info">
            <div>
              <i class="bi bi-geo-alt"></i>
              <p>lorem ipsum<br>Lorem ipsum dolor sit amet.</p>
            </div>

            <div>
              <i class="bi bi-envelope"></i>
              <p>info@example.com</p>
            </div>

            <div>
              <i class="bi bi-phone"></i>
              <p>+91 100 100 1001</p>
            </div>

          </div>
        </div>

        <div class="col-lg-5 col-md-8">
          <div class="form">
            <form action="forms/contact.php" method="post" role="form"
class="php-email-form">
              <div class="row">
                <div class="form-group col-lg-6">
                  <input type="text" name="name" class="form-control"
id="name" placeholder="Your Name" data-rule="minlen:4" data-msg="Please enter
at least 4 chars">
                </div>
                <div class="form-group col-lg-6 mt-3 mt-lg-0">
                  <input type="email" class="form-control" name="email"
id="email" placeholder="Your Email" data-rule="email" data-msg="Please enter
a valid email">
                </div>
              </div>
              <div class="form-group mt-3">
                <input type="text" class="form-control" name="subject"
id="subject" placeholder="Subject" data-rule="minlen:4" data-msg="Please
enter at least 8 chars of subject">
              </div>
```

```html
                    <div class="form-group mt-3">
                      <textarea class="form-control" name="message" rows="5"
placeholder="Message" required></textarea>
                    </div>
                    <div class="my-3">
                      <div class="loading">Loading</div>
                      <div class="error-message"></div>
                      <div class="sent-message">Your message has been sent. Thank
you!</div>
                    </div>
                    <div class="text-center"><button type="submit" title="Send
Message">Send Message</button></div>
                </form>
            </div>
          </div>

        </div>

      </div>
    </section><!-- End Contact Section -->

  </main><!-- End #main -->

  <!-- ======= Footer ======= -->
  <footer id="footer">
    <div class="container">
      <div class="row">
        <div class="col-lg-6 text-lg-start text-center">
          <div class="copyright">
            &copy; Copyright <strong>Farm To Home</strong>. All Rights
Reserved
          </div>
          <div class="credits">
            <!--
            All the links in the footer should remain intact.
            You can delete the links only if you purchased the pro version.
            Licensing information: https://bootstrapmade.com/license/
            Purchase the pro version with working PHP/AJAX contact form:
https://bootstrapmade.com/buy/?theme=Avilon
            -->

          </div>
        </div>
        <div class="col-lg-6">
          <nav class="footer-links text-lg-right text-center pt-2 pt-lg-0">
            <a href="#intro" class="scrollto">Home</a>
            <a href="#about" class="scrollto">About</a>
            <a href="#">Privacy Policy</a>
            <a href="#">Terms of Use</a>
```

```html
            </nav>
          </div>
        </div>
      </div>
    </footer><!-- End  Footer -->

    <a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-chevron-up"></i></a>

    <!-- Vendor JS Files -->
    <script src="assets/vendor/aos/aos.js"></script>
    <script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
    <script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
    <script src="assets/vendor/php-email-form/validate.js"></script>

    <!-- Template Main JS File -->
    <script src="assets/js/main.js"></script>

</body>

</html>
```

Description of the application implemented with output:
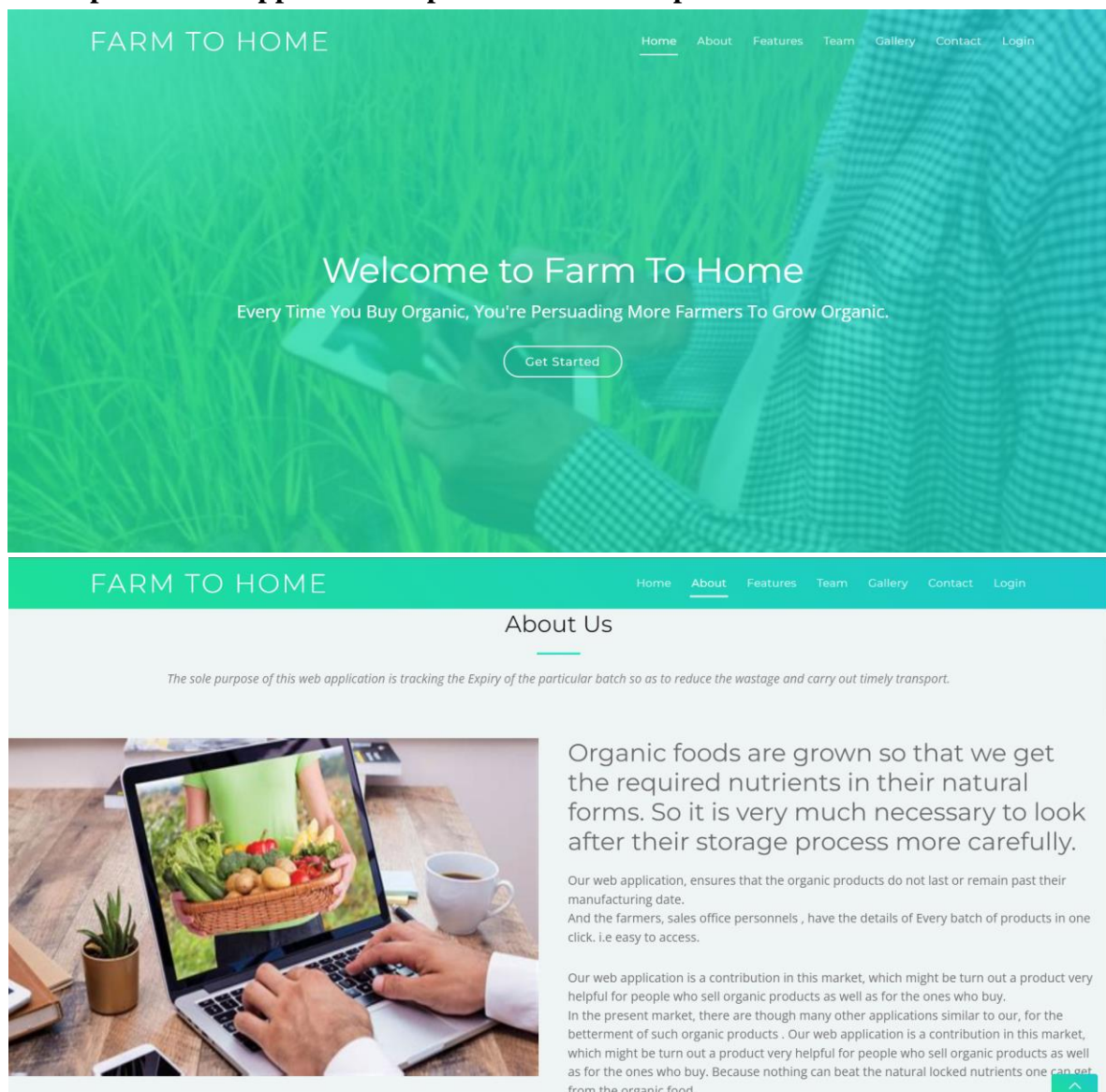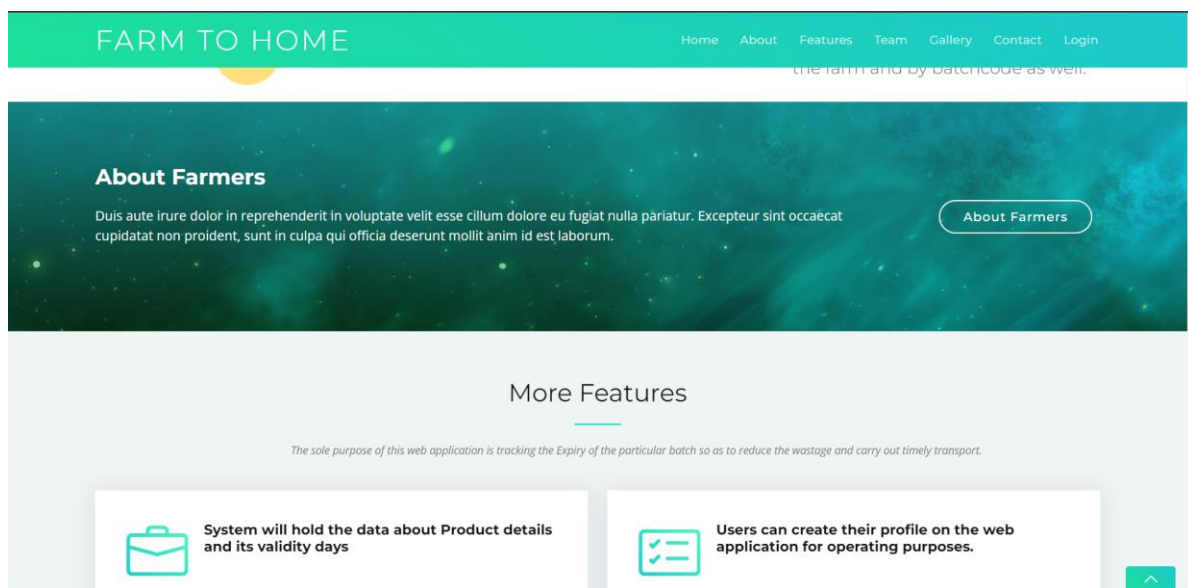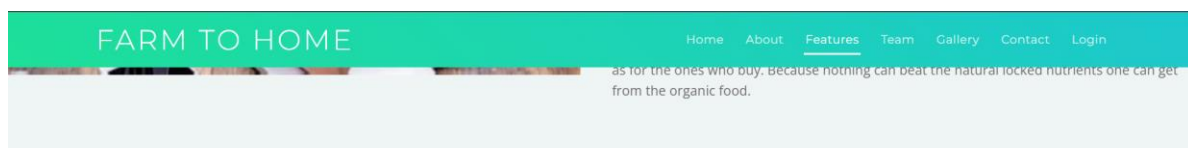
FARM TO HOME

Home   About   Features   Team   Gallery   Contact   Login

More Features

The sole purpose of this web application is tracking the Expiry of the particular batch so as to reduce the wastage and carry out timely transport.

System will hold the data about Product details and its validity days

Users can create their profile on the web application for operating purposes.

Customizable: You can customize categories of products.

The products can be searched by name of the food and by the name of the farm and by batchcode as well.

FARM TO HOME

Home   About   Features   Team   Gallery   Contact   Login

Our Team

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque

Tanaya Kadam
Frontend Developer

Rishab Chidurula
Backend Developer

Yuvraj Mishra
Data Analyst

Post Lab Questions:

1. **What is the use of containers in bootstrap? Explain in detail.**
   Ans)
   Bootstrap is a popular open-source front-end development framework that helps developers build responsive, mobile-first web applications. One of the key features of Bootstrap is its use of containers, which are elements used to wrap content and define the layout of a web page.

   In Bootstrap, containers are used to contain and align the content of a web page within a fixed or fluid width layout. The use of containers in Bootstrap helps ensure consistent and organized page layouts, while also helping to make the page more responsive and mobile-friendly.

   There are two types of containers in Bootstrap: fixed-width and fluid-width.

   Fixed-width containers have a set width, which is defined by a specific number of pixels or other units of measurement. These containers provide a consistent width for the content of a web page, making it easier to control the layout and ensure that it looks the same across different devices and screen sizes.

   Fluid-width containers, on the other hand, adjust to the width of the device or screen on which they are being viewed. They provide a more flexible layout that can adapt to different screen sizes and resolutions, making them ideal for responsive web design.

2. **Name the classes to achieve the different button styles in bootstrap.**

Ans)

Bootstrap provides several pre-defined CSS classes to achieve different button styles. **Here are some of the most commonly used button classes in Bootstrap:**

btn - This is the default class for creating a basic button in Bootstrap.

btn-primary - This class is used to create a primary button with a blue color that is typically used for important actions or calls to action.

btn-secondary - This class is used to create a secondary button with a gray color that is typically used for less important actions or secondary options.

btn-success - This class is used to create a button with a green color that is typically used to indicate success or a positive action.

btn-danger - This class is used to create a button with a red color that is typically used to indicate danger or a negative action.

btn-warning - This class is used to create a button with a yellow color that is typically used to indicate a warning or caution.

btn-info - This class is used to create a button with a light blue color that is typically used to indicate information or details.

btn-light - This class is used to create a button with a light gray color that is typically used for a lighter alternative to the btn-secondary class.

btn-dark - This class is used to create a button with a dark gray color that is typically used for a darker alternative to the btn-secondary class.

These button classes can be used in conjunction with other Bootstrap classes to further customize their appearance and behavior, such as adding rounded corners, shadows, or hover effects.

3. **Write details about the Bootstrap Grid system.**

Ans)

The Bootstrap Grid System is a powerful and flexible system for creating responsive, mobile-first layouts in web design. It is based on a 12-column grid that can be customized and adjusted to fit the needs of different web layouts and screen sizes. The grid system is made up of various CSS classes and HTML elements that work together to create a grid-based layout.

Here are some key features and concepts of the Bootstrap Grid System:

The 12-column grid: The Bootstrap grid system is based on a 12-column layout, where each column has an equal width. This makes it easy to create complex layouts by dividing the page into different sections and organizing content into columns.

Grid classes: The Bootstrap Grid System provides a set of CSS classes that can be used to define the size and position of content within the grid. For example, the **.col class** is used to define the width of a column, while the **.row class** is used to group columns together and define their positioning.

Grid breakpoints: Bootstrap includes several predefined breakpoints that define different screen sizes and device types, such as smartphones, tablets, and desktops. By using the appropriate grid classes for each breakpoint, you can create layouts that adapt to different screen sizes and device types.

Nested grids: The Bootstrap Grid System allows you to nest grids within other grids, which makes it easy to create more complex layouts with multiple levels of content organization.

Offset and push/pull classes: In addition to the basic grid classes, Bootstrap provides a set of offset and push/pull classes that allow you to fine-tune the positioning of columns within the grid.

Grid customization: Bootstrap also provides several customization options for the grid system, such as the ability to change the number of columns, the gutter width between columns, and the breakpoints used for different screen sizes.

Overall, the Bootstrap Grid System is a flexible and powerful tool for creating responsive, mobile-first layouts in web design. Its 12-column grid and wide range of grid classes and customization options make it easy to create complex layouts that adapt to different screen sizes and device types.