Assignment No-3

Aim:-

Develop a web page using the Bootstrap framework. Grid system, Forms, Button, Navbar, Breadcrumb, Jumbotron should be used..

LO Mapped:- LO3

Theory:-

A well-known open-source front-end framework called Bootstrap offers a selection of tools, styles, and components for creating websites and online apps that are both responsive and aesthetically pleasing. It was first created by Twitter and has subsequently become widely used in the web development industry. Bootstrap makes it simpler to construct consistent and contemporary user interfaces by including pre-designed HTML, CSS, and JavaScript components.

Grid system in bootstrap :-
One of the core components of the Bootstrap framework is the grid system. It is intended to assist programmers in creating layouts for websites and online apps that are both responsive and well-organized. Bootstrap's grid system is built on a 12-column layout that is simple to customize and scale to different screen sizes. Here is a description of the Bootstrap grid system in general terms:

Container:

Bootstrap uses containers to arrange the layout. Containers can be divided into two categories: container and container-fluid.
A fixed-width container with automatic size adjustment is offered by the.container class. It's typically employed to keep the maximum width constant.
The full-width container that spans the entire viewport width is created by the.container-fluid class.

Rows and Columns:

The.row class is used to build rows inside a container. Columns are housed horizontally in rows. The.col-* classes, which indicate a number from 1 to 12, are used to specify columns. As an illustration, the column.col-6 occupies 50% of the container's width and spans 6 of the 12 available columns.

Responsive Classes:

Bootstrap provides responsive classes to control the behavior of columns based on different screen sizes. These classes are suffixed with breakpoints like sm, md, lg, and xl.
For instance, you can use classes like .col-md-6 to define how columns should behave on medium-sized screens.

Form:-
Form Structure:

Start with the <form> element to create the overall form container.
Use the .form-group class to wrap each form control (input, label, etc.), providing structure and styling.
Form Controls:

Bootstrap provides styling for various form controls. For each control, use the appropriate class to apply the styling.
For example, use .form-control class for text inputs, textareas, and select elements.
Labels and Inputs:

Use the <label> element to provide a label for each form control.
Place the actual form control (input, textarea, etc.) inside the .form-control class.
Checkboxes and Radio Buttons:

Use the .form-check class to create a container for checkboxes and radio buttons.
Apply the .form-check-input class to the input element, and use the <label> element with .form-check-label class for the label text.
Form Layout and Alignment:

You can use grid classes to control the layout of form controls, aligning them within columns or rows.
Use classes like .row and .col-* to create responsive form layouts.

Jumbotron:-

In Bootstrap, a "jumbotron" is a prominent and versatile component designed to showcase key content or information on a web page. It's often used for displaying introductory content, announcements, or any content that you want to draw attention to. The jumbotron provides a visually appealing way to grab users' attention and present a clear message.

Breadcrumb :-

A navigational element known as a "breadcrumb" aids users in comprehending the hierarchy and organization of the content on a website. To make it simpler for visitors to return to earlier levels or sections, breadcrumbs are frequently utilized to illustrate the path that led to the present page.

Output:-

1)Code for index page :-

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Collaborative Solutions</title>
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>

<body>
  <!-- Navbar -->
  <nav class=" navbar-dark bg-dark ">
    <a class="navbar-brand" href="#">B2B SOLUTIONS</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false"
aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav ml-auto">
        <li class="nav-item active">
          <a class="nav-link" href="#">Home</a>
        </li>
        <li class="nav-item">
```
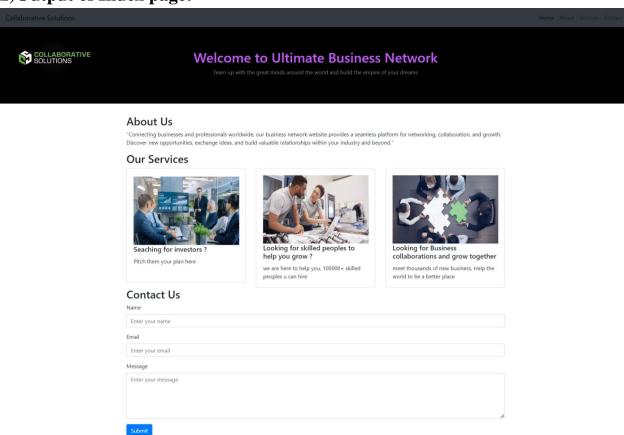
```html
          <a class="nav-link" href="#about">About</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#services">Services</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#contact">Contact</a>
        </li>
      </ul>
    </div>
  </nav>

  <!-- Jumbotron
  <div class="jumbotron jumbotron-fluid">
    <div class="container text-center">
      <h1>Welcome to our Travel Agency</h1>
      <p>Explore the world with us!</p>
    </div>
  </div> -->

  <!-- Jumbotron -->
  <div style="color: rgb(123, 131, 131); background-color: black;
background-image: url(https://i.ytimg.com/vi/qFHQACK3SBw/mqdefault.jpg );
background-repeat: no-repeat;" class="jumbotron jumbotron-fluid">
    <div class="container text-center">
        <h1 style="color: rgb(195, 96, 241);">Welcome to our ultimate
Business network </h1>
        <p>Team up with the great minds around the world and build the
empire of your dreams</p>
    </div>

  </div>

  <!-- Main Content -->
  <div class="container">
    <section id="about">
      <h2>About Us</h2>
      <p>
        "Connecting businesses and professionals worldwide, our business
network website provides a seamless platform for networking,
collaboration, and growth. Discover new opportunities, exchange ideas, and
build valuable relationships within your industry and beyond."</p>
    </section>
```

```html
    <section id="services">
        <h2>Our Services</h2>
        <div class="row">
            <div class="col-md-4">
                <div class="card">
                    <div class="card-body pb-5 pt-xl-4" >
                        <h5 class="card-title" >Seaching for investors ?</h5>
                        <p class="card-text">Pitch them your plan here</p>
                    </div>
                </div>
            </div>
            <div class="col-md-4">
                <div class="card">
                    <div class="card-body">
                        <h5 class="card-title">Looking for skilled peoples to help
you grow ?</h5>
                        <p class="card-text">we are here to help you, 100000+
skilled peoples u can hire</p>
                    </div>
                </div>
            </div>
            <div class="col-md-4">
                <div class="card">
                    <div class="card-body">
                        <h5 class="card-title">Looking for Business collaborations
and grow together</h5>
                        <p class="card-text">meet thousands of new business, Help the
world to be a better place</p>
                    </div>
                </div>
            </div>
        </div>
    </section>

    <section id="contact">
        <h2>Contact Us</h2>
        <form>
            <div class="form-group">
                <label for="name">Name</label>
                <input type="text" class="form-control" id="name"
placeholder="Enter your name">
            </div>
```

```html
        <div class="form-group">
          <label for="email">Email</label>
          <input type="email" class="form-control" id="email"
placeholder="Enter your email">
        </div>
        <div class="form-group">
          <label for="message">Message</label>
          <textarea class="form-control" id="message" rows="5"
placeholder="Enter your message"></textarea>
        </div>
        <button type="submit" class="btn btn-primary">Submit</button>
      </form>
    </section>
  </div>

  <!-- Bootstrap JS
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.1/dist/umd/popper.min
.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js">
</script> -->
</body>

</html>
```

2)Output of Index page:-

References :-
1)https://getbootstrap.com/docs/5.3/getting-started/introduction/
2)https://blog.getbootstrap.com/2023/03/24

Conclusion :-
Learnt about bootstrap and how to use bootstrap alongwith HTML and CSS , created a webpage using bootstrap and used several bootstrap components such as grid , navbar , breadcrumb , jumbotron , forms etc , the webpage looked more aesthetic than webpage which can only be created using CSS and code for all components is easily available