

Assignment 3

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

Theory: Bootstrap is a popular front-end framework developed by Twitter. It provides a set of tools, components, and styles that make it easier to create responsive and visually appealing websites and web applications. Bootstrap utilizes a combination of HTML, CSS, and JavaScript to create consistent and mobile-first designs.

Some key features of Bootstrap are:

1. **Responsive Grid System:** Bootstrap's responsive grid system allows developers to create flexible and responsive layouts that adapt to various screen sizes and devices. The grid system is based on a 12-column layout structure that can be customized for different breakpoints.
2. **Pre-designed Components:** Bootstrap comes with a wide range of predefined UI components such as navigation bars, buttons, forms, modals, carousels, and more. These components can be easily integrated into your project, saving time and effort.
3. **Typography and Styling:** Bootstrap includes typography styles, headings, and text utilities that help maintain consistency and readability across the website. It also offers a variety of contextual classes for styling elements like buttons, alerts, and badges.
4. **CSS and JavaScript Plugins:** Bootstrap provides a collection of CSS and JavaScript plugins that enhance the functionality and interactivity of your website. Examples include dropdowns, modals, tooltips, popovers, and more.
5. **Responsive Utilities:** In addition to the grid system, Bootstrap offers responsive utility classes that allow you to control the visibility, spacing, and alignment of elements based on screen sizes.
6. **Customization:** Bootstrap is highly customizable. Developers can use Bootstrap's extensive set of variables to customize colours, typography, and other design aspects to match the project's branding and style.
7. **SASS Support:** Bootstrap can be customized using SASS (Syntactically Awesome Stylesheets), a popular CSS preprocessor. This feature allows for more advanced customization and easier management of styles.
8. **Browser Compatibility:** Bootstrap is designed to work across various modern browsers and devices, ensuring a consistent experience for users.
9. **Community and Documentation:** Bootstrap has a large and active community of developers who contribute to its development and provide support. The official documentation is comprehensive and user-friendly, making it easy to get started and find solutions to common problems.
10. **Accessibility:** Bootstrap strives to be accessible, providing features and guidelines for creating websites that can be used by people with disabilities.

Snapshots of code and output:

```

index - Notepad
File Edit Format View Help
<!doctype html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<!-- Bootstrap CSS -->
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-EVILLtuyian5t8ZWa37Ytge8FLwNF80uLLq9tPeXDdpEDo1AL6JesP32JyH96"
crossorigin="anonymous">
<title>Portfolio</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light">
<div class="container-fluid">
<a class="navbar-brand" href="#">Portfolio</a>
<button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-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">
<li class="nav-item">
<a class="nav-link active" aria-current="page" href="#">Home</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#">Skills</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#">Contact Us</a>
</li>
</ul>
</div>

```

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@index - Bootstrap
File Edit Format View Help
</div>
</nav>
<div class="container" style="margin-left:22%; margin-top:8%; margin-bottom:6em;" >
<div class="coloum">
<div class="row-1">
<h2>Hello,</h2>
<h1>Hi<strong> <font color="Red">Animesh Parab</font></strong></h1>
<h2>Software Developer</h2>
</div>
<div class="row-2">

</div>
</div>
</div>
<div class="container" style="margin-top: 2em; margin-bottom: 4em;
width:78%;">
<h2 style="padding-bottom: 1.5em; text-align:center;">About me</h2>
<p>Animesh is a pre Final year student at Thadomal shahani engineering collage.
He has worked with HSBFC as an analyst, where he played the role of a data engineer.
He worked on a software like data visualization.
He hold a degree in Information Technology.</p>
</div>
<!-- -->
<!-- -->
<div class="container">
<h2 style="margin-bottom: 1em;">Skills</h2>
<div class="accordion accordion-flush" id="accordionFlushExample">
<div class="accordion-item">
<h3 class="accordion-header" id="flush-headingOne">
<button class="accordion-button collapsed" type="button" data-bs-toggle="collapse" data-bs-target="#flush-collapseOne" aria-expanded="false"
aria-controls="flush-collapseOne">
Languages
</button>
</h3>
<div id="flush-collapseOne" class="accordion-collapse collapse" aria-labelledby="flush-headingOne" data-bs-parent="#accordionFlushExample">

```



```
contact - Notepad
File Edit Format View Help
<!doctype html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<!-- Bootstrap CSS -->
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EV5QMj/azprG1AwXQgn1L1eMao8Fz1rtoQTuFp0Jy069VotepuK1mLASJC"
crossorigin="anonymous">
<title>contact</title>
</head>
<body>
<DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>E-Commerce | Sign Up</title>
<link rel="stylesheet" href="dist/css/bootstrap.min.css">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrapicons@1.30.5/font/bootstrap-icons.css">
</head>
<body>
<!-- Navbar -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
<div class="container-fluid">
<a class="navbar-brand" href="#">Portfolio</a>
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation" class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarNav">
<ul class="navbar-nav">
<li class="nav-item">
```

```
contact - Notepad
File Edit Format View Help
<li class="nav-item">
<a class="nav-link active" aria-current="page"
href="#">Home</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#">Skills</a>
</li>
<li class="nav-item">
<a class="nav-link" href="contact.html">Contact Us</a>
</li>
</ul>
</div>
</nav>
<!-- contact us page -->
<div class="container">
<div class="row mt-5">
<div class="col-6">
<div>Contact Me</div>
<div class="bi bi-telephone" style="display: block;"> +91 9926211146</div>
<div class="bi bi-envelope" style="display:
block;"> animesh.nparat@gmail.com</div>
<div class="bi bi-linkedin" style="width: 12px;
height: 15px;"></div>
<div class="bi bi-github" style="width: 12px; height: 15px;"></div>
<div class="bi bi-instagram" style="width: 12px;
height: 15px;"></div>
</div>
<div class="col-6">
<form action="">
<div class="form-group mb-2">
<label for="firstname" class="form-label">First
Name</label>
<input type="text" id="firstname" class="form-control"
placeholder="John">
</div>
```

```
height:15px"></i>
</div>
<div class="col-6">
<form action="">
<div class="form-group mb-2">
<label for="firstname" class="form-label">First
Name</label>
<input type="text" id="firstname" class="form-control"
placeholder="John">
</div>
<div class="form-group mb-2">
<label for="lastname" class="form-label">Last
Name</label>
<input type="text" id="lastname" class="form-control"
placeholder="Doe">
</div>
<div class="form-group mb-2">
<label for="email" class="form-label">Email</label>
<input type="email" id="email" class="form-control"
placeholder="xyz@gmail.com">
</div>
<div class="mb-3">
<label for="feedback" class="form-label">feedback</label>
<textarea class="form-control" id="feedback" rows="3"
placeholder="Write something here"></textarea>
</div>
<div class="d-grid col-6 mx-auto">
<button class="btn btn-outline-primary "
type="submit">Submit</button>
</div>
</form>
</div>
</div>
<br>
<br>
<footer>
<center>
<p>Copyright &copy; Designed by Animesh Parab</p>
</center>
</footer>
<script src="dist/js/bootstrap.min.js"></script>
</body>
</html>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min
.js" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</body>
</html>
```

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Hello,
Hii **Animesh Parab**
Software Developer

 Profile image

About me

Animesh is a pre final year student at Thadomal shahani engineering college. He has worked with HSBC as an analyst, where he played the role of a data engineer. He worked on a software like data visualization. He hold a degree in Information Technology.

Skills

Language	✓
Frameworks	✓
Tools	✓

Projects



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Contact Me

+91 9326271148
animeshnp@parab@gmail.com

First Name

John

Last Name

Doe

Email

xyz@gmail.com

Feedback

Write something here

Submit

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Conclusion:

Bootstrap is a powerful tool that simplifies web development by providing a ready-to-use set of components and styles. It empowers developers to create professional-looking and responsive websites efficiently. Understanding the key features of Bootstrap and its application in creating responsive layouts is essential for modern web development. With a supportive community and thorough documentation, Bootstrap remains an indispensable tool for enhancing both the efficiency of development and the overall quality of user interaction.