

Name: Madhuri Ramakrishnan

119A3032 TE IT (E2)

EXPERIMENT 4

Aim: Design A Responsive Webpage Using Bootstrap.

Theory:

Bootstrap:

- (1) Bootstrap, originally named Twitter Blueprint, was developed by Mark Otto and Jacob Thornton at [Twitter](#) as a framework to encourage consistency across internal tools. Before Bootstrap, various libraries were used for interface development, which led to inconsistencies and a high maintenance burden. According to [Twitter](#) developer Mark Otto:
- (2) A super small group of developers and I got together to design and build a new internal tool and saw an opportunity to do something more. Through that process, we saw ourselves build something much more substantial than another internal tool. Months later, we ended up with an early version of Bootstrap as a way to document and share common design patterns and assets within the company.
- (3) After a few months of development by a small group, many developers at Twitter began to contribute to the project as a part of Hack Week, a [hackathon](#)-style week for the Twitter development team. It was renamed from Twitter Blueprint to Bootstrap, and released as an open-source project on August 19, 2011. It has continued to be maintained by Mark Otto, Jacob Thornton, and a small group of core developers, as well as a large community of contributors.

2) Bootstrap 2

On January 31, 2012, Bootstrap 2 was released, which added built-in support for Glyph icons, several new components, as well as changes to many of the existing components. This version supports [responsive web design](#), meaning the layout of web pages adjusts dynamically, taking into account the characteristics of the device used (whether desktop, tablet, or mobile phone).

3) Bootstrap 3

On August 19, 2013, Bootstrap 3, was released. It redesigned components to use [flat design](#) and a [mobile first](#) approach. Bootstrap 3 features new plugin system with name spaced events. Bootstrap 3 dropped Internet Explorer 7 and Firefox 3.6 support, but there is an optional polyfill for these browsers.

4) Bootstrap 4

Mark Otto announced Bootstrap 4 on October 29, 2014. The first alpha version of Bootstrap 4 was released on August 19, 2015. The first beta version was released on August 10, 2017. Mark suspended work on Bootstrap 3 on September 6, 2016, to free up time to work on Bootstrap 4. Bootstrap 4 was finalized on January 18, 2018.

Code:

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

```
<head>
<title>Bootstrap Example</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.cs
s">
<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.mi
n.js"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js">
</script>
<style>
.isDisabled {
color: currentColor;
cursor: not-allowed;
opacity: 0.5;
text-decoration: none;
}
</style>
</head>
<body>
<div class="jumbotron text-center" style="margin-bottom: 0;">
<h1>Bootstrap Practical</h1>
</div>
<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
<a class="navbar-brand" href="#">SIES</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#collapsibleNavbar">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="collapsibleNavbar">
<ul class="navbar-nav">
<li class="nav-item">
<a class="nav-link" href="#">Home</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#">About</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#">Contact</a>
</li>
</ul>
</div>
```

```

</nav>
<div class="container" style="margin-top:30px;">
<div class="row">
<div class="col-sm-4">
<h2>About Me</h2>
<h5>Image:</h5>
<div>

</div>
<p>Lorem, ipsum dolor sit amet consectetur adipisicing
elit.</p>
<h3>Some Links</h3>
<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit.
Quos similique laboriosam odio magni qui possimus fugiat aliquid, dolore
cumque. Consequuntur, doloremque? Neque dolorem ratione quaerat ipsam
fugiat eum temporibus ducimus.</p>
<ul class="nav-pills flex-column">
<li class="nav-item">
<a class="nav-link active" href="#">Active</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#">Page 1</a>
</li>
<li class="nav-item">
<a class="isDisabled" href="#">Disabled Link</a>
</li>
</ul>
</div>
</div>
<div class='container' style='margin-top:30px'>
<div class='col-sm-8'>
<h2>SIES, Nerul</h2>
<div>
<img
src='http://img.haymarketsac.in/printweek/8f05a23b-ba2c-483b-b413-f2b6ceb4
2d94.jpg' width='500px' height='350px'>
</div>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit.
Molestiae fuga alias corporis beatae, ut incidunt doloribus corrupti
eligendi molestias inventore recusandae. Consequatur harum eos doloribus,
eligendi cupiditate soluta tenetur excepturi!</p>
<h2>Cultural Events</h2>
<div>
<img
src='http://img.haymarketsac.in/printweek/8f05a23b-ba2c-483b-b413-f2b6ceb4
2d94.jpg' width='750px' height='400px'>

```

```
</div>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam
vel ea necessitatibus ducimus minima assumenda officiis illo ad. Amet vero
libero dolore temporibus deserunt ullam itaque expedita! Autem, amet
illo!</p>
</div>
<div class="jumbotron text-center" style="margin-bottom: 0;">
<p>Footer</p></div>
</div>
</body>
</html>
```

Output:

Bootstrap Practical

[SIES](#) [Home](#) [About](#) [Contact](#)

About Me

Image:



Lorem, ipsum dolor sit amet consectetur
adipiscing elit.

Some Links

Lorem ipsum dolor sit, amet consectetur
adipiscing elit. Quos similique laboriosam odio
magni qui possimus fugiat aliquid, dolorem
cumque. Consequuntur, doloremque? Neque
dolorem ratione quaerat ipsam fugiat eum
temporibus ducimus.

- [Active](#)
- [Page 1](#)
- [Disabled Link](#)

SIES, Nerul



Lorem ipsum dolor sit amet consectetur adipiscing elit. Molestiae fuga alias corporis beatae, ut
incidunt doloribus corrupti eligendi molestias inventore recusandae. Consequatur harum eos
doloribus, eligendi cupiditate soluta tenetur excepturi!

Cultural Events



Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam vel ea necessitatibus ducimus
minima assumenda officis illo ad. Amet vero libero dolorem temporibus deserunt ullam itaque
expedita! Autem, amet illo!

Conclusion: Hence, we have successfully completed the implementation of HTML ,CSS and bootstrap by creating a responsive webpage.