

NAME: MAYURI SHRIDATTA YERANDE
ROLL NO: 70
CLASS: D15B
IP EXPERIMENT

EXPERIMENT - 7

AIM: Experiment to study basics of Bootstrap.

THEORY:

Popovers:-

Popovers rely on the 3rd party library Popper.js for positioning. You must include popper.min.js before bootstrap.js or use bootstrap.bundle.min.js / bootstrap.bundle.js which contains Popper.js in order for popovers to work!

- Popovers require the tooltip plugin as a dependency.
- If you're building our JavaScript from source, it requires util.js.
- Popovers are opt-in for performance reasons, so you must initialize them yourself.
- Zero-length title and content values will never show a popover.
- Specify container: 'body' to avoid rendering problems in more complex components (like our input groups, button groups, etc).
- Triggering popovers on hidden elements will not work.
- Popovers for .disabled or disabled elements must be triggered on a wrapper element.
- When triggered from anchors that wrap across multiple lines, popovers will be centered between the anchors' overall width. Use white-space: nowrap; on your <a>s to avoid this behavior.
- Popovers must be hidden before their corresponding elements have been removed from the DOM.

Breakpoints:-

- Breakpoints are the building blocks of responsive design. Use them to control when your layout can be adapted at a particular viewport or device size.
- Use media queries to architect your CSS by breakpoint. Media queries are a feature of CSS that allow you to conditionally apply styles based on a set of browser and operating system parameters. We most commonly use min-width in our media queries.
- Mobile first, responsive design is the goal. Bootstrap's CSS aims to apply the bare minimum of styles to make a layout work at the smallest breakpoint, and then layers on styles to adjust that design for larger devices.

Card:-

A card is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options. If you're familiar with Bootstrap 3, cards replace our old panels, wells, and thumbnails. Similar functionality to those components is available as modifier classes for cards.

Grid system:-

Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content. It's built with flexbox and is fully responsive. Below is an example and an in-depth look at how the grid comes together.

IMPLEMENTATION:

Code:-

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6 +fzT" crossorigin="anonymous">

  </head>

  <body>
    <nav class="navbar navbar-expand-lg bg-light">
      <div class="container-fluid">
        <a class="navbar-brand" href="#">MAYURI'S FOOD HUT</a>
        <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
          <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
          <ul class="navbar-nav me-auto mb-2 mb-lg-0">
```

```

<li class="nav-item">
  <a class="nav-link active" aria-current="page" href="#">Home</a>
</li>
<li class="nav-item">
  <a class="nav-link" aria-current="page" href="#">Contacts</a>
</li>
<li class="nav-item">
  <a class="nav-link" aria-current="page" href="#">About Us</a>
</li>
<li class="nav-item">
  <a class="nav-link active" aria-current="page" href="#">Cart</a>
</li>
</ul>
<form class="d-flex" role="search">
  <input class="form-control me-2" type="search" placeholder="Search"
aria-label="Search">
  <button class="btn btn-outline-success" type="submit">Search</button>
</form>
</div>
</div>
</nav>

<div class="row py-lg-5">
  <div class="col-lg-6 col-md-8 mx-auto">
    <h1 class="fw-light">MAYURI'S FOOD HUT</h1>
    <h3 class="fw-light">Happy tummy,happy you</h3>
    </div>
  </div>
  
  <br>
  <div class="bs-example">
    <br>
    <br>
    <br>
    <p>
      <button type="button" class="btn btn-primary" data-bs-toggle="popover" title="Yes!!"
data-bs-content="Vegetarian food is here for you">Veg</button>
      <button type="button" class="btn btn-secondary ms-2" data-bs-toggle="popover"
title="Hey You!!" data-bs-content="Chicken?Fish?All of it is here for you">Non-Veg</button>
    </p>
  </div>
</div>

```

```
</p>
</div>
<br>
<!-- <button type="button" class="btn btn-lg btn-danger" data-toggle="popover"
title="Popover title" data-content="And here's some amazing content. It's very engaging.
Right?">Click to toggle popover</button> -->
<a href="#" data-toggle="popover" title="Welcome to our food hut" data-content="Some
content inside the popover">Welcome!</a>
<br>
<br>

</div>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOO
mMi466C8" crossorigin="anonymous"></script>
<script>
    document.addEventListener("DOMContentLoaded", function() {
        var popoverTriggerList =
            [].slice.call(document.querySelectorAll('[data-bs-toggle="popover"]'));
        var popoverList = popoverTriggerList.map(function(element) {
            return new bootstrap.Popover(element);
        });
    });
</script>

</body>
</html>
```

Output:

MAYURI'S FOOD HUT [Home](#) [Contacts](#) [About Us](#) [Cart](#)

MAYURI'S FOOD HUT
Happy tummy,happy you

[Welcome!](#)

[Order Now](#)



[Veg](#) [Non-Veg](#)



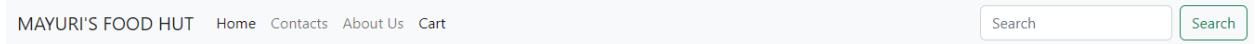
Veg

Yes!!
Vegetarian food is here for you



Veg Non-Veg

Hey You!!
Chicken?Fish?All of it is here for you



MAYURI'S FOOD HUT

Happy tummy,happy you

Welcome!

Order Now

Yes!!
Get your food peoplee



MAYURI'S FOOD HUT

Happy tummy,happy you

[Welcome!](#)

Welcome to our food hut



CONCLUSION: We successfully studied the basics of bootstrap.