S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.

Practical No. 9

Aim: Apply the knowledge of Bootstrap CSS v5.1.3 & design a webpage by using following components: NavBar, Carousel, Accordian and Footer.

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AIM: Apply the knowledge of Bootstrap CSS v5.1.3 & design a webpage by using

following components: NavBar, Button, Carousel, Spinners & Footer.

OBJECTIVE/EXPECTED LEARNING OUTCOME:

The objectives and expected learning outcome of this practical are:

• To apply the knowledge of Bootstrap

• To be able to create a Nav Bar, Buttons, Carousel, Spinners and Footer.

HARDWARE AND SOFTWARE REQUIREMENT:

Hardware Requirement

•   1.6 GHz or faster processor

•   .RAM: 1GB

•   Hard Disk Drive: > 80 GB

Software Requirement

•   Operating System – Windows 2007,2010.

•   Editor – Visual Studio Code /SublimeText.

THEORY:

What is Bootstrap?

Bootstrap is a front-end framework used to create modern websites and web apps. It's open-

source and free to use. Bootstrap also supports JavaScript extensions. It is the most popular

HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites.

Bootstrap is completely free to download and use.

Include Bootstrap's CSS and JS.

To use Bootstrap, add the following line inside the <head> and <body>section of your Chosen editor's page:

1. Place the <link> tag in the &<head>for our CSS.

2. Place the <script>tag for our JavaScript bundle before the closing </body>after head

section.

CDN links

Description URL

CSS	https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css
JS	https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js

CODE:

```
    <html>
  <head>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
```

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```
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>

  </head>

  <body bgcolor="tan">

    <nav class="navbar navbar-expand-lg navbar-light bg-light">

      <div class="container-fluid">

       <a class="navbar-brand" href="#">Buy House</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" href="#">About us</a>

          </li>

          <li class="nav-item dropdown">

           <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown"
role="button" data-bs-toggle="dropdown" aria-expanded="false">

             Content

           </a>

           <ul class="dropdown-menu" aria-labelledby="navbarDropdown">

            <li><a class="dropdown-item" href="#">Villa</a></li>

            <li><a class="dropdown-item" href="#">House</a></li>
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        <li><hr class="dropdown-divider"></li>

        <li><a class="dropdown-item" href="#">Room</a></li>

      </ul>

    </li>

    <li class="nav-item">

      <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Disabled</a>

    </li>

   </ul>

   <form class="d-flex">

     <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 id="carouselExampleControls" class="carousel slide" data-bs-ride="carousel">

 <div class="carousel-inner">

  <div class="carousel-item active">

   <img src="C:\Users\CSE LAB\Downloads\3.jpg"  height="500" width="1800"
class="d-block w-10"  alt="">

  </div>

  <div class="carousel-item">

   <img src="C:\Users\CSE LAB\Downloads\2.jpg"  height="500" width="1800"
class="d-block w-10" alt="">

  </div>

  <div class="carousel-item">

   <img src="C:\Users\CSE LAB\Downloads\1.jpg" height="500" width="1800"
class="d-block w-10" alt="">

  </div>

 </div>
```

```
<button class="carousel-control-prev" type="button" data-bs-
target="#carouselExampleControls" data-bs-slide="prev">

    <span class="carousel-control-prev-icon" aria-hidden="true"></span>

    <span class="visually-hidden">Previous</span>

</button>

<button class="carousel-control-next" type="button" data-bs-
target="#carouselExampleControls" data-bs-slide="next">

    <span class="carousel-control-next-icon" aria-hidden="true"></span>

    <span class="visually-hidden">Next</span>

</button>

</div>

<div class="accordion" id="accordionExample" align="center">

  <div class="accordion-item" align="center">

  <h2 class="accordion-header" id="headingOne" >

    <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-
target="#collapseOne" aria-expanded="true" aria-controls="collapseOne" >

        Why Choose Our Villas?

    </button>

  </h2>

  <div id="collapseOne" class="accordion-collapse collapse show" aria-
labelledby="headingOne" data-bs-parent="#accordionExample">

    <div class="accordion-body">

      <strong>Our villas are located in prime areas, offering luxury, privacy, and top-tier
amenities at competitive prices.</strong>

    </div>

  </div>

  </div>

  <div class="accordion-item">

  <h2 class="accordion-header" id="headingTwo" >

    <button class="accordion-button collapsed" type="button" data-bs-
toggle="collapse" data-bs-target="#collapseTwo" aria-expanded="false" aria-
controls="collapseTwo">

        What's Included in the Price?
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```
            </button>

          </h2>

          <div id="collapseTwo" class="accordion-collapse collapse" aria-
labelledby="headingTwo" data-bs-parent="#accordionExample">

            <div class="accordion-body">

              <strong>Each villa includes modern furnishings, landscaped gardens, private
pools, and 24/7 security.</strong>

            </div>

          </div>

        </div>

        <div class="accordion-item" >

          <h2 class="accordion-header" id="headingThree" >

            <button class="accordion-button collapsed" type="button" data-bs-
toggle="collapse" data-bs-target="#collapseThree" aria-expanded="false" aria-
controls="collapseThree" >

              Do You Offer Financing?

            </button>

          </h2>

          <div id="collapseThree" class="accordion-collapse collapse" aria-
labelledby="headingThree" data-bs-parent="#accordionExample">

            <div class="accordion-body">

              <strong>We partner with trusted banks to provide flexible home loan options for
eligible buyers.</strong>

            </div>

          </div>

        </div>

      </div>

      <div class="card">

       <div class="card-header">

        <h5 style="color:rgb(107, 62, 3)">Quote</h5>

       </div>

       <div class="card-body">

        <blockquote class="blockquote mb-0">
```
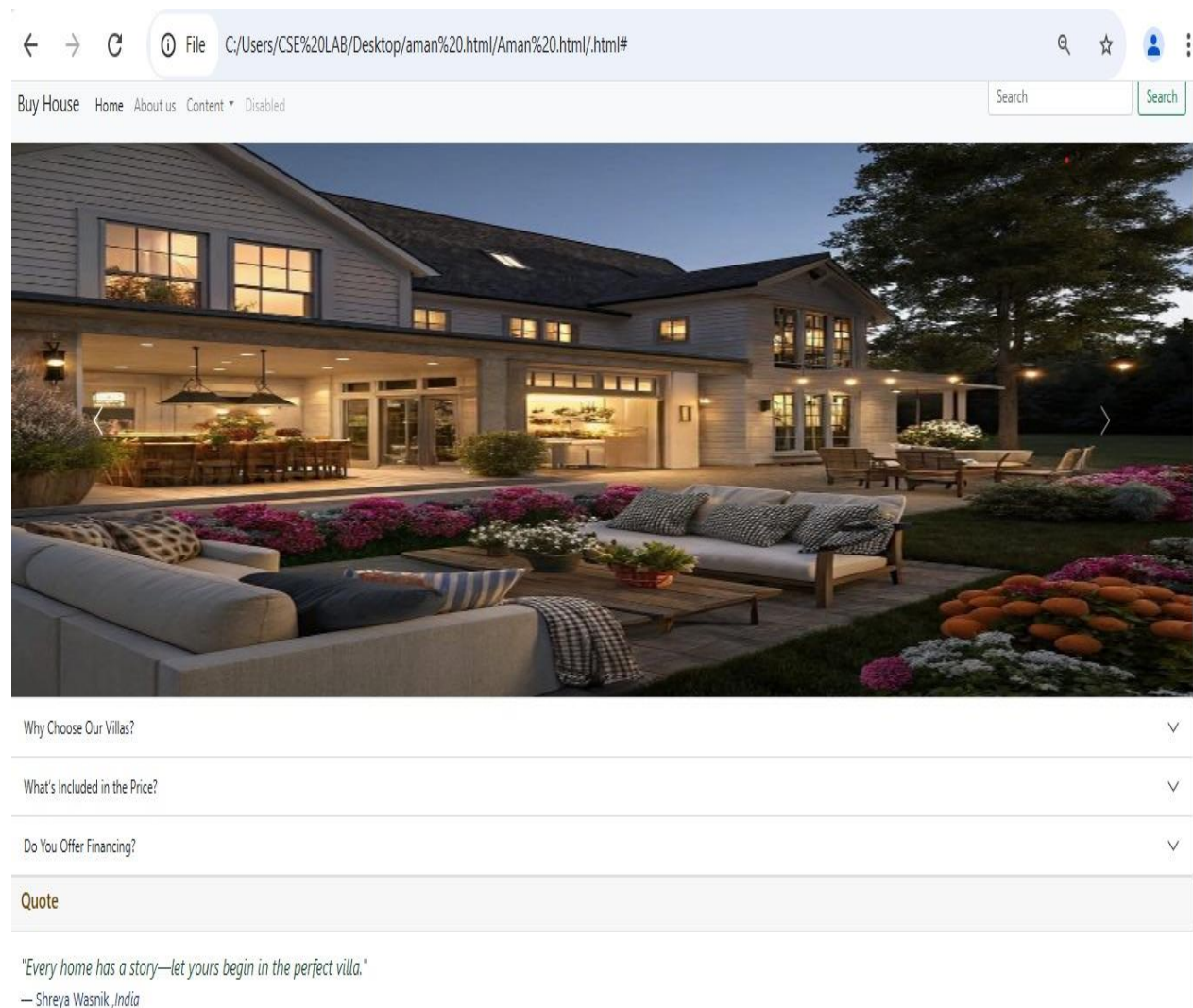
```
    <p style="color:rgba(3, 46, 28, 0.877)"><i>"Every home has a story—let yours
begin in the perfect villa."</i></p>

        <footer class="blockquote-footer" style="color:rgba(5, 30, 83, 0.89)">Shreya
Wasnik <cite title="Source Title">,India</cite></footer>

      </blockquote>

    </div>

    </div>

  </body>

</html>
```

OUTPUT/SCREENSHOTS:

CONCLUSION: In this practical, a responsive webpage was created using Bootstrap 5.1.3 with components like Navbar, Carousel, Accordion, Footer, and a product section. It demonstrated how Bootstrap simplifies modern web design with reusable, mobile-friendly elements.

DISCUSSION QUESTIONS:

- Explain Bootstrap?

- What is meant by Responsive Website?

- What is Open Source?

- Difference between CSS and Bootstrap?

REFERENCES:

- https://getbootstrap.coms

- https://www.w3schools.com/bootstrap5/

- https://getbootstrap.com/docs/5.2/components/navbar/

- https://getbootstrap.com/docs/5.2/components/carousel/