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**Panel: F**

**Batch: F1**

**Roll\_no: 16**

**Faculty: Prof. Vitthal Gutte**

**Subject: Full Stack Development**

Title: Assignment-2

**Aim**: Design and develop a responsive web page using Bootstrap front-end framework. Objectives: 1. To understand HTML tags 2. To learn the styling of web pages using CSS 3. To learn Bootstrap Front-End Framework.

**Problem Statement:**

Design and develop a responsive web page (For example student registration, course enrolment, library management system, online shopping system etc.) using Bootstrap front-end framework. Web pages should contain HTML5 elements (Use all possible formatting for example font, colour etc.). Use all possible formatting for example,

* font,
* colour etc.

Web page should include various

* images,
* links within the page,
* tables
* lists
* form elements
* paragraphs
* links to other pages for navigation,
* new tabs.

Use Cascaded Style Sheets (CSS) to style the web pages designed. Make use of

* Three types of styles (Inline, Internal and External)
* border,
* margins,
* padding,
* navigation,
* dropdown list
* tag selector
* class selector
* id selector
* exploring background image and position property etc.

Theory:

**1. Bootstrap Grid System:**

- The Bootstrap Grid System is a responsive layout system that divides a web page into a grid of rows and columns. It allows you to create flexible and responsive page layouts by specifying how content should be arranged on different screen sizes.

**2. Bootstrap .container and .container-fluid class**

- Bootstrap provides two main container classes: `.container` and `.container-fluid`.

- `.container` creates a fixed-width container that adapts to different screen sizes with a responsive layout.

- `.container-fluid` creates a full-width container that spans the entire width of the viewport.

**FAQs:**

**1. What is a responsive website?**

A responsive website is a website that is designed and developed to adapt and display correctly on various devices and screen sizes, such as desktops, laptops, tablets, and smartphones. It ensures that the content and layout of the website adjust seamlessly to provide an optimal user experience regardless of the device being used.

2**. How Bootstrap helps to design a responsive website?**

- Bootstrap is a front-end framework that simplifies and accelerates the process of creating responsive websites. It offers the following advantages:

- Grid System: Bootstrap’s grid system helps you create responsive layouts easily by using a 12-column grid structure that adjusts based on screen size.

- Pre-designed Components: Bootstrap provides pre-designed UI components like navigation bars, forms, buttons, and more, ensuring consistency and responsiveness.

- Responsive Utilities: Bootstrap offers responsive utility classes that allow you to show/hide content based on screen size, making it easy to create responsive designs.

- Cross-browser Compatibility: Bootstrap handles browser compatibility issues, so your website works consistently across different web browsers.

- Community Support: Bootstrap has a large community and documentation, making it easier to find solutions to common web development challenges.

By utilizing Bootstrap's features and components, web developers can streamline the process of designing and developing responsive websites, saving time and ensuring a better user experience on various devices.

If you have any specific questions or need further clarification on any aspect of your project, please feel free to ask.

**CODE**

<!-- this is home page -->

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1" />

    <title>Bootstrap demo</title>

    <link

      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"

      rel="stylesheet"

      integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM"

      crossorigin="anonymous"

    />

    <script

      src="https://kit.fontawesome.com/1a2a12610c.js"

      crossorigin="anonymous"

    ></script>

    <style>

      .first:hover {

        transform: scale(0.9);

      }

      .selected-blog {

  transform: scale(0.9);

  box-shadow: 10px 5px 5px rgb(6, 0, 8);

  transition: transform 0.3s ease;

  background-color: black;

  -webkit-text-fill-color: aqua;

}

#social a i:hover {

        transform: scale(1.8);

      }

    </style>

  </head>

  <body>

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

      <div class="container-fluid">

        <a class="navbar-brand" href="index.html">CodeGeek</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.html">About</a>

            </li>

            <li class="nav-item">

              <a class="nav-link" href="contact.html">Contact Us</a>

            </li>

          </ul>

          <form class="d-flex" onsubmit="searchAndRedirect(event)">

            <input

              class="form-control me-2"

              id="search-item"

              type="search"

              placeholder="Search Blog here..."

              aria-label="Search"

            />

            <button class="btn btn-outline-success" type="submit">

              Search

            </button>

          </form>

        </div>

        <div class="mx-2">

          <button

            class="btn btn-success"

            data-bs-toggle="modal"

            data-bs-target="#loginModal"

          >

            Log In

          </button>

          <button

            class="btn btn-success"

            data-bs-toggle="modal"

            data-bs-target="#signupModal"

          >

            Sign Up

          </button>

        </div>

      </div>

    </nav>

    <!-- login Modal -->

    <div

      class="modal fade"

      id="loginModal"

      tabindex="-1"

      aria-labelledby="loginModalLabel"

      aria-hidden="true"

    >

      <div class="modal-dialog">

        <div class="modal-content">

          <div class="modal-header">

            <h1 class="modal-title fs-5" id="loginModalLabel">

              Log In to CodeGeek

            </h1>

            <button

              type="button"

              class="btn-close"

              data-bs-dismiss="modal"

              aria-label="Close"

            ></button>

          </div>

          <div class="modal-body">

            <form>

              <div class="form-group">

                <label for="exampleInputEmail1">Email address</label>

                <input

                  type="email"

                  class="form-control"

                  id="exampleInputEmail1"

                  aria-describedby="emailHelp"

                />

              </div>

              <div class="form-group">

                <label for="exampleInputPassword1">Password</label>

                <input

                  type="password"

                  class="form-control"

                  id="exampleInputPassword1"

                />

              </div>

              <br />

              <div class="form-group form-check">

                <input

                  type="checkbox"

                  class="form-check-input"

                  id="exampleCheck1"

                />

                <label class="form-check-label" for="exampleCheck1"

                  >Remember Me</label

                >

              </div>

              <br />

              <button

                type="submit"

                class="btn btn-primary d-flex justify-content-center align-items-center"

              >

                Submit

              </button>

            </form>

          </div>

        </div>

      </div>

    </div>

    <!-- signup Modal -->

    <div

      class="modal fade"

      id="signupModal"

      tabindex="-1"

      aria-labelledby="signupModalLabel"

      aria-hidden="true"

    >

      <div class="modal-dialog">

        <div class="modal-content">

          <div class="modal-header">

            <h1 class="modal-title fs-5" id="signupModalLabel">

              Sign Up to CodeGeek

            </h1>

            <button

              type="button"

              class="btn-close"

              data-bs-dismiss="modal"

              aria-label="Close"

            ></button>

          </div>

          <div class="modal-body">

            <form>

              <div class="form-group">

                <label for="exampleInputEmail1">Email address</label>

                <input

                  type="email"

                  class="form-control"

                  id="exampleInputEmail1"

                  aria-describedby="emailHelp"

                />

              </div>

              <div class="form-group">

                <label for="exampleInputPassword1">Password</label>

                <input

                  type="password"

                  class="form-control"

                  id="exampleInputPassword1"

                />

              </div>

              <div class="form-group">

                <label for="cexampleInputPassword1">Confirm Password</label>

                <input

                  type="password"

                  class="form-control"

                  id="cexampleInputPassword1"

                />

              </div>

              <br />

              <button

                type="submit"

                class="btn btn-primary d-flex justify-content-center align-items-center"

              >

                Create Account

              </button>

            </form>

          </div>

        </div>

      </div>

    </div>

    <div

      id="carouselExampleCaptions"

      class="carousel slide carousel-fade"

      data-ride="carousel"

      data-interval="2000"

    >

      <div class="carousel-indicators">

        <button

          type="button"

          data-bs-target="#carouselExampleCaptions"

          data-bs-slide-to="0"

          class="active"

          aria-current="true"

          aria-label="Slide 1"

        ></button>

        <button

          type="button"

          data-bs-target="codeimg.jpgxampleCaptions"

          data-bs-slide-to="1"

          aria-label="Slide 2"

        ></button>

        <button

          type="button"

          data-bs-target="#carouselExampleCaptions"

          data-bs-slide-to="2"

          aria-label="Slide 3"

        ></button>

      </div>

      <div class="carousel-inner">

        <div class="carousel-item active">

          <img

            src="img-2.jpg"

            class="d-block w-100"

            alt="..."

            style="max-height: 70vh"

          />

          <div class="carousel-caption d-none d-md-block">

            <h2>CodeGeek Welcomes you!</h2>

            <p>Developments, Innovations,Blogs and More!</p>

            <button class="btn btn-danger">Artificial Intelligence</button>

            <button class="btn btn-warning">Web Development</button>

            <button class="btn btn-success">BlockChain</button>

          </div>

        </div>

        <div class="carousel-item">

          <img

            src="img-1.jpg"

            class="d-block w-100"

            alt="..."

            style="max-height: 70vh"

          />

          <div class="carousel-caption d-none d-md-block">

            <h2>CodeGeek Welcomes you!</h2>

            <p>Developments, Innovations,Blogs and More!</p>

            <button class="btn btn-danger">Artificial Intelligence</button>

            <button class="btn btn-warning">Web Development</button>

            <button class="btn btn-success">BlockChain</button>

          </div>

        </div>

        <div class="carousel-item">

          <img

            src="img-3.jpg"

            class="d-block w-100"

            alt="..."

            style="max-height: 70vh"

          />

          <div class="carousel-caption d-none d-md-block">

            <h2>CodeGeek Welcomes you!</h2>

            <p>Developments, Innovations,Blogs and More!</p>

            <button class="btn btn-danger">Artificial Intelligence</button>

            <button class="btn btn-warning">Web Development</button>

            <button class="btn btn-success">BlockChain</button>

          </div>

        </div>

      </div>

      <button

        class="carousel-control-prev"

        type="button"

        data-bs-target="#carouselExampleCaptions"

        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="#carouselExampleCaptions"

        data-bs-slide="next"

      >

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

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

      </button>

    </div>

    <div class="container my-4">

      <div class="row mb-2">

        <div id="blog1"  class="first col-md-6">

          <div

            class="row g-0 border rounded overflow-hidden flex-md-row mb-4 shadow-sm h-md-250 position-relative"

          >

            <div class="col p-4 d-flex flex-column position-static">

              <strong class="d-inline-block mb-2 text-success-emphasis"

                >World</strong

              >

              <h3 class="blog mb-0">Is Artificial Intelligence really a boon?</h3>

              <div class="mb-1 text-body-secondary">Nov 12</div>

              <p class="card-text mb-auto">

                This is a wider card with supporting text below as a natural

                lead-in to additional content.

              </p>

              <a

                href="blog.html"

                class="icon-link gap-1 icon-link-hover stretched-link"

              >

                Continue reading

              </a>

            </div>

            <div class="col-auto d-none d-lg-block">

              <img

                class="bd-placeholder-img"

                width="200"

                height="250"

                src="img-1.jpg"

              />

            </div>

          </div>

        </div>

        <div id="blog1" class="first col-md-6">

          <div

            class="row g-0 border rounded overflow-hidden flex-md-row mb-4 shadow-sm h-md-250 position-relative"

          >

            <div class="col p-4 d-flex flex-column position-static">

              <strong class="d-inline-block mb-2 text-danger-emphasis"

                >Design</strong

              >

              <h3 class="blog mb-0">Web Designing</h3>

              <div class="mb-1 text-body-secondary">Nov 11</div>

              <p class="mb-auto">

                This is a wider card with supporting text below as a natural

                lead-in to additional content.

              </p>

              <a

                href="blog.html"

                class="icon-link gap-1 icon-link-hover stretched-link"

              >

                Continue reading

                <svg class="bi">

                  <use xlink:href="#chevron-right"></use>

                </svg>

              </a>

            </div>

            <div class="col-auto d-none d-lg-block">

              <img

                class="bd-placeholder-img"

                width="200"

                height="250"

                src="img-2.jpg"

              />

            </div>

          </div>

        </div>

      </div>

    </div>

    <div class="container my-4">

      <div class="row mb-2">

        <div id="blog1" class="first col-md-6">

          <div

            class="row g-0 border rounded overflow-hidden flex-md-row mb-4 shadow-sm h-md-250 position-relative"

          >

            <div class="col p-4 d-flex flex-column position-static">

              <strong class="d-inline-block mb-2 text-primary-emphasis"

                >World</strong

              >

              <h3 class="blog mb-0">Future of BlockChain Technology</h3>

              <div class="mb-1 text-body-secondary">Nov 12</div>

              <p class="card-text mb-auto">

                This is a wider card with supporting text below as a natural

                lead-in to additional content.

              </p>

              <a

                href="blog.html"

                class="icon-link gap-1 icon-link-hover stretched-link"

              >

                Continue reading

              </a>

            </div>

            <div class="col-auto d-none d-lg-block">

              <img

                class="bd-placeholder-img"

                width="200"

                height="250"

                src="img-3.jpg"

              />

            </div>

          </div>

        </div>

      <div id="blog1" class="first col-md-6">

        <div

          class="row g-0 border rounded overflow-hidden flex-md-row mb-4 shadow-sm h-md-250 position-relative"

        >

          <div class="col p-4 d-flex flex-column position-static">

            <strong class="d-inline-block mb-2 text-success-emphasis"

              >Design</strong

            >

            <h3 class="blog mb-0">Machine Learning</h3>

            <div class="mb-1 text-body-secondary">Nov 11</div>

            <p class="mb-auto">

              This is a wider card with supporting text below as a natural

              lead-in to additional content.

            </p>

            <a href="blog.html" class="icon-link gap-1 icon-link-hover stretched-link">

              Continue reading

              <svg class="bi"><use xlink:href="#chevron-right"></use></svg>

            </a>

          </div>

          <div class="col-auto d-none d-lg-block">

            <img

              class="bd-placeholder-img"

              width="200"

              height="250"

              src="img-4.jpg"

            />

          </div>

        </div>

      </div>

    </div>

    <footer

      class="d-flex flex-wrap justify-content-between align-items-center py-3 my-4 border-top"

    >

      <div class="col-md-4 d-flex align-items-center">

        <a

          href="/"

          class="mb-3 me-2 mb-md-0 text-body-secondary text-decoration-none lh-1"

        >

        </a>

        <span class="mb-3 mb-md-0 text-body-secondary"

          >© 2023 Company, Inc</span

        >

      </div>

      <ul class="nav col-md-4 justify-content-end list-unstyled d-flex">

        <li id="social" class="ms-3">

          <a class="text-body-secondary" href="#">

            <i class="fa fa-google"></i

          ></a>

        </li>

        <li id="social" class="ms-3">

          <a class="text-body-secondary" href="#"

            ><i class="fa fa-twitter"></i

          ></a>

        </li>

        <li id="social" class="ms-3">

          <a class="text-body-secondary" href="#"

            ><i class="fa fa-instagram"></i

          ></a>

        </li>

      </ul>

    </footer>

    <script

      src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"

      integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz"

      crossorigin="anonymous"

    ></script>

      <script>

      function searchAndRedirect(event) {

        event.preventDefault(); // Prevent form submission

        const searchQuery = document.getElementById('search-item').value.toLowerCase();

        const blogSections = document.getElementsByClassName('first');

        for (let i = 0; i < blogSections.length; i++) {

          const blogTitle = blogSections[i].querySelector('.blog').innerText.toLowerCase();

          if (blogTitle.includes(searchQuery)) {

            // Remove the selected-blog class from any previously selected blog section

            const previouslySelected = document.querySelector('.selected-blog');

            if (previouslySelected) {

              previouslySelected.classList.remove('selected-blog');

            }

            // Apply the selected-blog class to the matching blog section

            blogSections[i].classList.add('selected-blog');

            // Scroll to the matching blog section

            window.location.href = `#${blogSections[i].id}`;

            return; // Exit the function after redirecting

          }

        }

        // If no matching blog section found, display an alert or perform some other action

        alert('No matching blog found.');

      }

      </script>

  </body>

</html

**OUTPUTS**



