



Final Assignment: Build a Responsive Personal Portfolio Website

Objective:

Create a **fully responsive** personal portfolio webpage using **HTML, CSS, Bootstrap, JavaScript, and Media Queries**. The website should showcase your profile, skills, projects, and contact details.

Project Structure

 Project Folder: `Portfolio-Website`

- `index.html` (Main webpage)
 - `styles.css` (Custom CSS file)
 - `script.js` (JavaScript for interactivity)
 - `images/` (Folder for images used in the portfolio)
-

Project Requirements

1. Header Section

✓ Include a **navigation bar** with:

- Home
- About
- Skills
- Projects
- Contact

✓ Make the navigation **responsive** (use Bootstrap Navbar or Media Queries).

Example Code (Navbar with Bootstrap)

```
<nav class="navbar navbar-expand-md navbar-dark bg-dark">
  <div class="container">
    <a class="navbar-brand" href="#">My Portfolio</a>
    <button class="navbar-toggler" type="button" data-bs-to
ggle="collapse" data-bs-target="#navmenu">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navmenu">
      <ul class="navbar-nav ms-auto">
        <li class="nav-item"><a class="nav-link" href="#abo
ut">About</a></li>
        <li class="nav-item"><a class="nav-link" href="#ski
lls">Skills</a></li>
        <li class="nav-item"><a class="nav-link" href="#pro
jects">Projects</a></li>
        <li class="nav-item"><a class="nav-link" href="#con
tact">Contact</a></li>
      </ul>
    </div>
  </div>
</nav>
```

2. Hero Section (Introduction)

✓ Include your **name**, a **profile picture**, and a **short bio**.

- ✓ Add a **button** linking to your resume ([Download Resume](#)).
- ✓ Apply **CSS animations** to the text.

Example Code

```
<section class="hero text-center">
  
  <h1>Hi, I'm <span class="highlight">[Your Name]</span></h1>
  <p>Front-End Developer | Passionate about Web Design</p>
  <a href="resume.pdf" class="btn btn-primary">Download Resume</a>
</section>
```

3. Skills Section

- ✓ Display your **skills** (HTML, CSS, JavaScript, Bootstrap).
- ✓ Use a **progress bar** or **icons** to represent skills.

Example Code (Bootstrap Progress Bar)

```
<div class="container">
  <h2>Skills</h2>
  <div class="progress mb-3">
    <div class="progress-bar bg-success" style="width: 90%;">HTML - 90%</div>
  </div>
  <div class="progress mb-3">
    <div class="progress-bar bg-info" style="width: 80%;">CSS - 80%</div>
  </div>
</div>
```

4. Projects Section

- ✓ Showcase at least **2 projects**.

✓ Each project should have:

- **Title**
- **Description**
- **Image/Screenshot**
- **Live Demo** (if available)
- **GitHub Link**

Example Code

```
<div class="container">
  <h2>Projects</h2>
  <div class="card">
    
    <div class="card-body">
      <h5 class="card-title">Project 1: To-Do List App</h5>
      <p class="card-text">A simple to-do list app using Ja
      vaScript.</p>
      <a href="https://github.com/yourgithub/project1" clas
      s="btn btn-primary">GitHub</a>
    </div>
  </div>
</div>
```

5. Contact Section

✓ Create a **contact form** with:

- Name
- Email
- Message
- Submit button

✓ Validate the form using **JavaScript** (Ensure fields are not empty).

Example Code (Bootstrap Form with Validation)

```

<form id="contactForm">
  <label>Name:</label>
  <input type="text" id="name" class="form-control">

  <label>Email:</label>
  <input type="email" id="email" class="form-control">

  <label>Message:</label>
  <textarea id="message" class="form-control"></textarea>

  <button type="submit" class="btn btn-primary mt-2">Send</
button>
</form>

<script>
  document.getElementById("contactForm").addEventListener
("submit", function(event) {
    event.preventDefault();
    let name = document.getElementById("name").value;
    let email = document.getElementById("email").value;
    let message = document.getElementById("message").value;

    if (name === "" || email === "" || message === "") {
      alert("All fields are required!");
    } else {
      alert("Message Sent!");
    }
  });
</script>

```

6. Make the Website Responsive using Media Queries

- ✓ Adjust styles for **mobile, tablet, and desktop** screens.
- ✓ Ensure the layout looks good on **all devices**.

Example Media Query

```
@media (max-width: 768px) {  
  .hero h1 {  
    font-size: 24px;  
  }  
}
```

Bonus (Optional Enhancements)

- ◆ Add a **theme switcher** (Light/Dark Mode).
- ◆ Use **Google Fonts** for better typography.
- ◆ Add **CSS hover effects** on buttons and images.

Submission Instructions

- ✓ Host the Project **GitHub Pages**
- ✓ Share the **link**.
- ✓ Ensure all images and styles work correctly.

Final Takeaway

🎯 This project will help you apply **all the concepts** learned:

- ✓ **HTML** (Page structure)
- ✓ **CSS & Bootstrap** (Styling & Responsive Design)
- ✓ **JavaScript** (Interactivity & Form Validation)
- ✓ **Media Queries** (Making it Mobile-Friendly)

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🚀 **Good Luck & Happy Coding!** 🎉