

Practical Test - Nov '24

ALL ASSESSMENTS MISSED BY A STUDENT MUST BE ACCOMMODATED BY A DOCTOR'S LETTER WHICH WILL BE VERIFIED BY ADMIN.

GENERAL INSTRUCTIONS:

- This is a practical test that requires you to develop a website frontend using Bootstrap.
- The only external resource authorized is the Bootstrap documentation.
- No other website or external resource is allowed.
- All CPUT assessment rules and regulations on plagiarism are still valid.

SPECIAL INSTRUCTIONS:

- Complete the assessment individually; no collaboration is allowed.
 - Do not contact anyone during the assessment.
 - No cell phones.
 - No smartwatches.
 - Answers must be in your own words.
 - Ensure your work is saved and submitted correctly.
-

TEST OBJECTIVES:

The aim of this practical test is to assess your ability to create a fully functional, responsive portfolio website using the pure Bootstrap framework. This exercise will test your knowledge of Bootstrap components and layout principles, as well as your ability to structure a cohesive, user-friendly website design.

DETAILED REQUIREMENTS:

Responsiveness:

- Ensure the website is fully responsive using **Bootstrap's grid system** and utility classes.
- Test for mobile, tablet, and desktop views using the Chrome developer tool.

Use of Bootstrap Components:

- Only Bootstrap CSS and JavaScript should be used. Avoid external libraries for UI components.
- Proper use of **Bootstrap classes** for layout, forms, buttons, and typography is mandatory.
- There is a custom CSS Style provided in the header section of the HTML file. Apply them as appropriate.
- Use the Bootstrap icons **ONLY** where they are needed

Design and Aesthetics:

- Focus on a clean, modern design.
- Consistent use of colour schemes, spacing, and typography is encouraged.

Code Structure:

- Ensure proper HTML structure and indentation.
- Add comments in the code to describe the purpose of each section.

- Keep the CSS styles minimal by only relying on Bootstrap classes.

INSTRUCTIONS:

1. Download the start files:



MUP_Portfolio_Start_files.zip

1. Extract the content and resave the folder as YourName_YourSurname_StudentNumber (e.g.: Jay_Akwunwa_206032373)
2. In the index.html file, Write your name, surname, and student number in the placeholder provided
3. Give a title to the HTML file as indicated
4. Add the Bootstrap 5 CDN link for both CSS and JS
5. Add the link to install Bootstrap Icons
6. The content for the website can be found in the **content.md** file

Note:

- **You are allowed to use the Bootstrap documentation to complete your task:**
(<https://getbootstrap.com/docs/5.2/getting-started/introduction/>)(<https://getbootstrap.com/docs/5.2/getting-started/introduction/>)(<https://getbootstrap.com/docs/5.2/getting-started/introduction/>)
- **You can not use any other website or external resources**

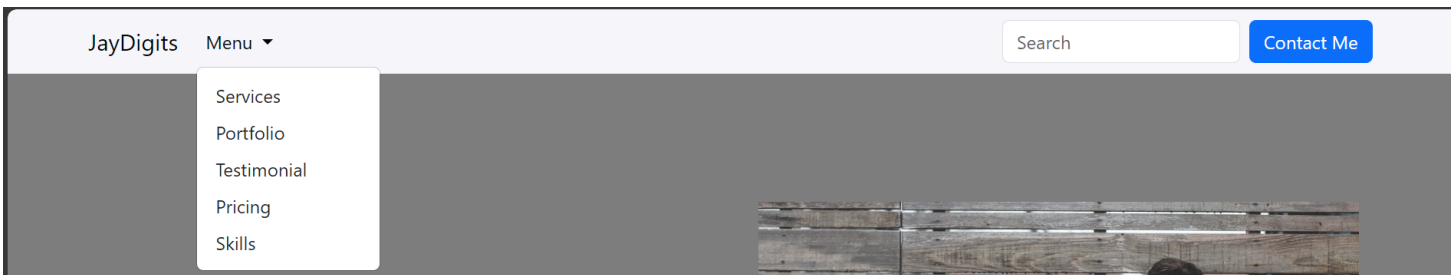
NOW START THE PROJECT

You can watch the demonstration video and view the screenshot of the entire page to see what is required of you.

Stick to the markup instruction in the starting HTML file. Leave the section tags as they are. Only add the necessary Bootstrap classes for styling. **DO NOT change it.** Add required HTML markup into the section elements to build your components

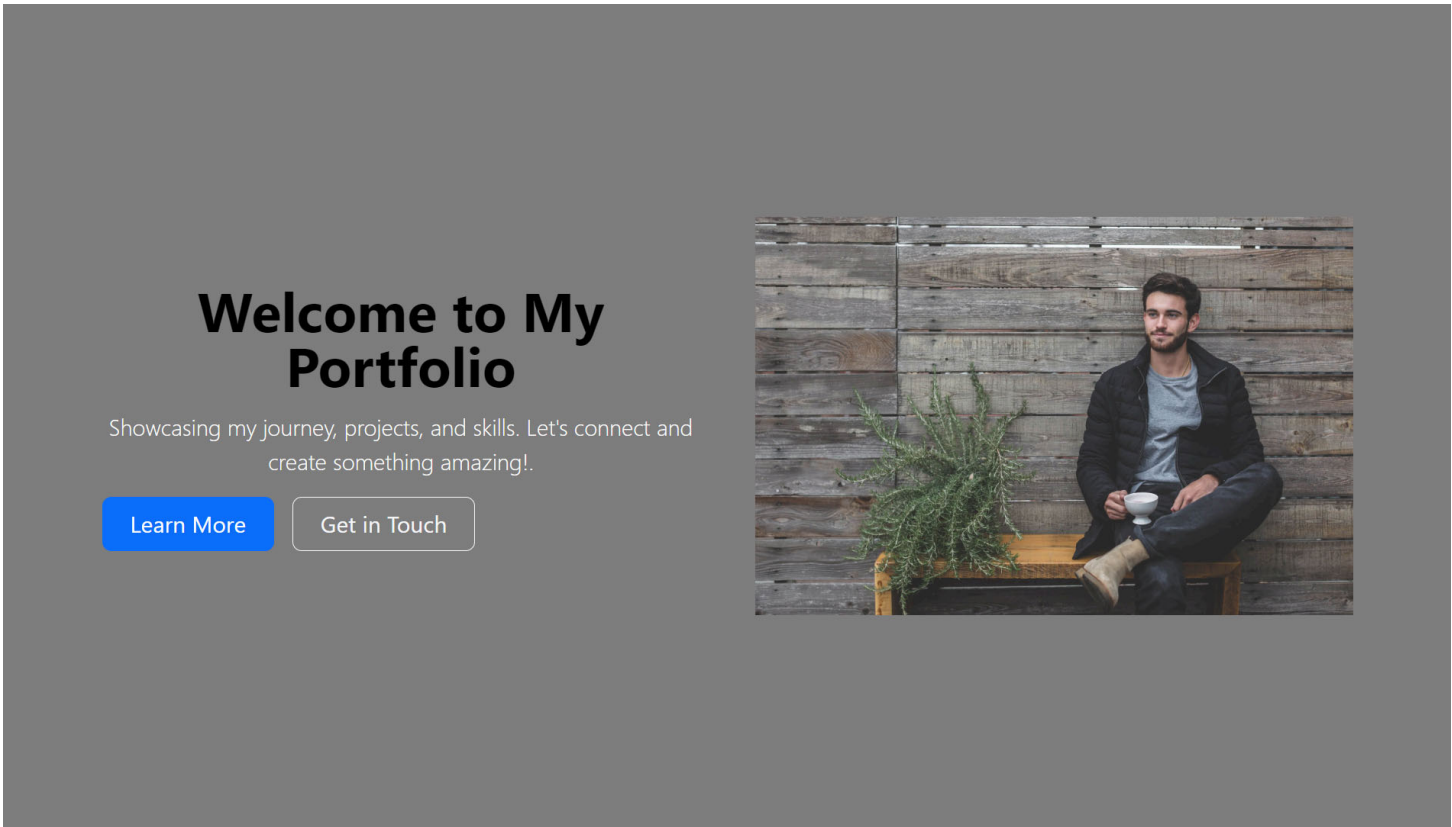
01 STICKY HEADER WITH NAVBAR SECTION [10 Marks]

- Create a sticky header that remains at the top of the page during scrolling.
- The Navbar should include:
 - A logo or placeholder text on the left.
 - A dropdown menu for navigation.
 - A search bar on the right.
 - A "Call to Action" button, aligned to the right (e.g., "Contact Me").
- The Navbar should be fully responsive, collapsing into a hamburger menu on smaller screens.
- The Menu items should link to corresponding sections of the page



02 HERO SECTION [10 Marks]

- Implement a hero section as the main highlight on the homepage.
- This section should include:
 - A gradient background (class is found in
 - the custom CSS).
 - A large, clear headline (e.g., "Welcome to My Portfolio").
 - A sub-headline or brief description.
 - Two "Call to Action" buttons (e.g., "Learn More" and "Get in Touch").
- The section should be visually appealing and responsive.



03 FEATURES SECTION [10 Marks]

- Create a section that highlights key services.
- Use Bootstrap grid layout to display at least three features in columns.
- Each feature should include:
 - An icon or image (Preferably icons from the Bootstrap icons).
 - A headline.
 - A brief description of the feature or service.
- The section should be visually appealing and responsive.

Key Services

These are what I am great at. But there is more that I can do!



Web Development

Building responsive and functional websites with modern technologies.

[Learn More](#)

UI/UX Design

Designing intuitive and aesthetically pleasing user interfaces.

[Learn More](#)

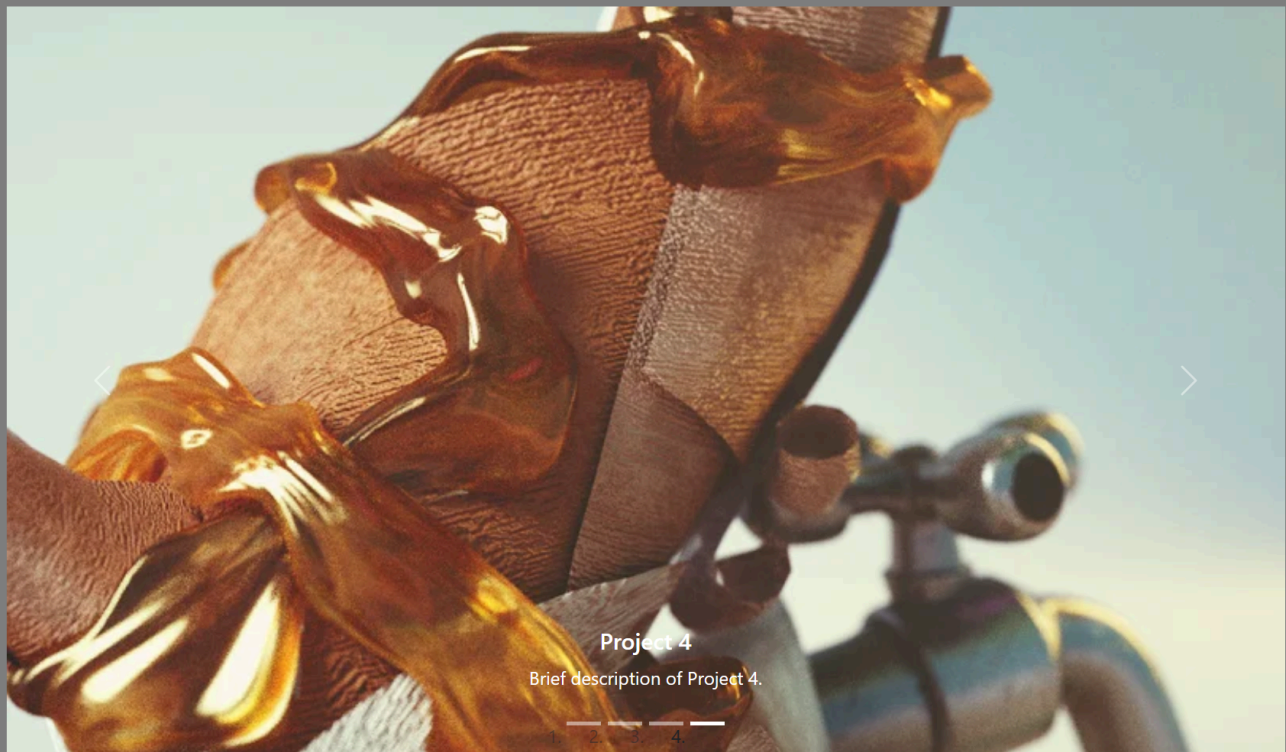
SEO Optimization

Enhancing website visibility and search engine rankings.

[Learn More](#)

04 CAROUSEL [10 Marks]

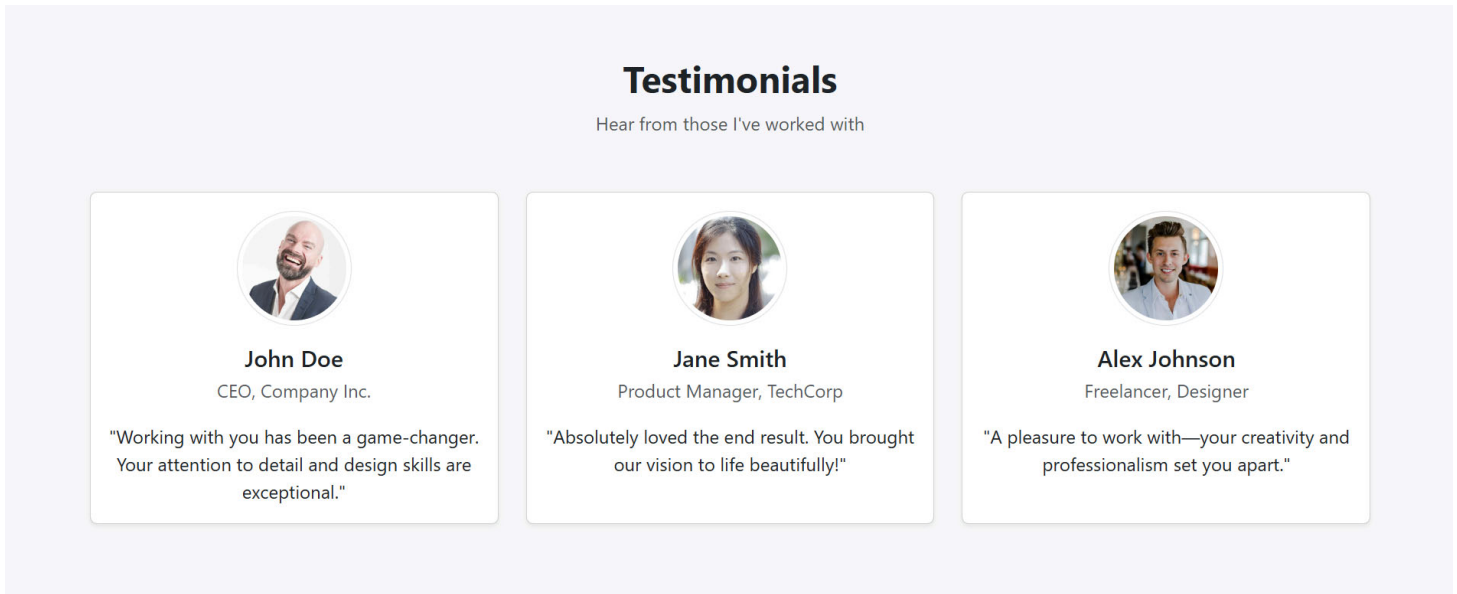
- Include a Bootstrap carousel that displays at least 4 images or items.
- Use images in the carousel folder
- Each slide should include an image and an overlay of text (e.g., project titles or descriptions).
- Include navigation arrows and pagination dots(indicators) for switching between slides.
- Add the gradient background
- The image should be responsive



05 TESTIMONIAL SECTION [10 Marks]

- Design a testimonial section that displays feedback or reviews.
- Each testimonial should include:
 - A person's name and title.

- A brief quote or review.
- An avatar or image of the reviewer. (Images are in the testimonial folder). The image dimension must be 100 X 100px
- Testimonials should be displayed in a card or slider format.
- The section should be visually appealing and responsive.



06 PRICING SECTION [10 Marks]

- Create a pricing section that includes at least three pricing plans.
- Each plan should display:
 - The plan name (e.g., Basic, Premium).
 - A price (e.g., R129/month).
 - A list of features or benefits.
 - A "Sign Up" or "Choose Plan" button.
- Apply appropriate gradient background
- The section should be visually appealing and responsive.

Our Pricing Plans

Choose the plan that best fits your needs

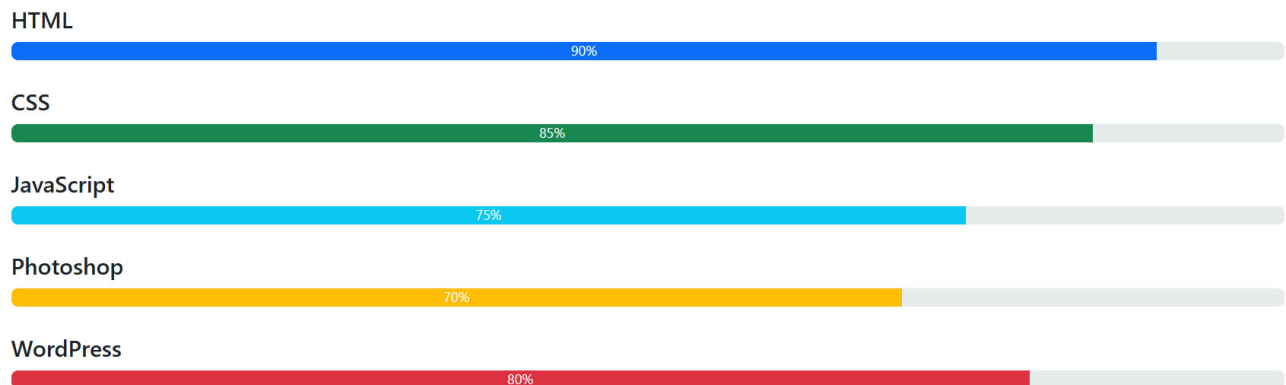
Basic	Standard	Premium
R129/mo 5 Projects Basic Support Email Notifications	R249/mo 10 Projects Priority Support Custom Reports	R499/mo Unlimited Projects 24/7 Support Advanced Analytics
Choose Plan	Choose Plan	Choose Plan

07 SKILLS SECTION (WITH PROGRESS BARS) [10 Marks]

- Implement a section to display various skills using Bootstrap progress bars.
- Each skill should be represented by:
 - The skill name (e.g., HTML, CSS, JavaScript, Photoshop, Figma, WordPress etc).
 - A progress bar indicating the proficiency in percentage.
- Include at least four skills.

My Skills

A representation of my expertise



08 CONTACT FORM [10 Marks]

- Create a contact form that collects:
 - Name.
 - Email.
 - Subject.
 - Message.
- The form should include Bootstrap validation for required fields.

- Apply appropriate gradient background

Get in Touch
I would love to hear from you

Name

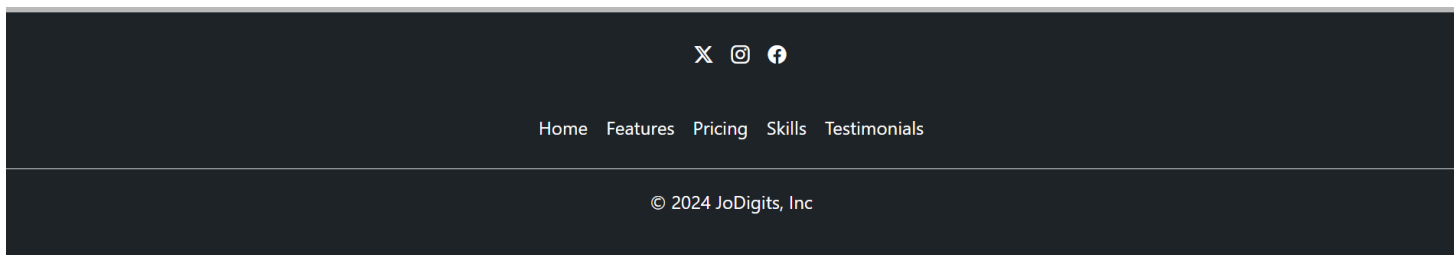
Email

Message

[Send Message](#)

09 FOOTER [10 Marks]

- Design a footer that contains:
 - Links to important sections or pages (e.g., Home, About, Contact).
 - Social media icons (e.g., LinkedIn, Twitter, GitHub).
 - Copyright information.
- The footer should be fully responsive.



10 BUTTONS [10 Marks]

- Throughout the website, use various Bootstrap button styles (e.g., primary, secondary, success) for interactivity, such as in the "Call to Action" buttons and other links.
- Ensure buttons are styled appropriately for hover and active states.

Submission Requirements:

- At the end of the test, zip your project folder and submit it for evaluation.
- Delete any image that was not used in the project. Your submission should **ONLY** include the images used to build the portfolio
- **You have ONLY ONE ATTEMPT to submit. Ensure you submit the right files and folders.**