Case Study –IT School (RTO)

This assessment task requires you, a professional website developer, to design a dynamic website for an RTO who is also selling training resource kits for other RTOs in Australia. This website provides (1) 5 IT course for students to register (2) 8 training resource kits for other RTOs to place order.

Majority of the RTO customers are providing IT training such as ICT60220. Features of the website include courseware details, assessment requirements and sample projects. Each customer can place multiple copies of the same courseware and a shopping cart will be developed to confirm the order.

For potential students who like to register for IT courses, this website includes a web page to send the registration form.

Client-side scripts will be used to develop the shopping cart and validate student registration form. The shopping cart has a "check-out" button to display total sales.

Carefully review the information below prior to the client meeting. Make sure you prepare questions regarding additional information needed to construct the website.

Client details

Name: RTO Name and registration number

Address: school address in Australia

Telephone number: This will be your RTO's phone number.

Email address: This will be your RTO's email address.

Overview of business and client requirements

The dynamic website should include the following pages:

- Home page
- About us page including the latest school development.
- Courseware page. Other RTO can order resource kits.
- Enquiry form for students to register a course.
- Project page to showcase student projects.

Website requirements

(1) design in HTML, external CSS and external JavaScript.

(2) Include the following components:

- Animated transitions between sections.
- Shopping cart to store customer order.
- Registration form with at least 6 field.
- Responsive design to adapt different screen sizes.

- Detailed comments to explain CSS and JavaScript (at least 10 comments)
- Interactive features such as to-do list, and calculator

Passing Criteria:

- The website is visually appealing and well-organized.
- The code is clean, well-commented, and follows best practices.
- All JavaScript features function as intended.
- The website is responsive and works on different browsers and devices.
- The website is functional, well-structured, and user-friendly.

Coding Requirements (using JavaScript):

- Design and validate a student registration form of 6 fields.
- Add 8 comments to your JavaScript.
- Add the last 3 digits of your student ID as part of each JavaScript function. For instance, name "calTotal" as "calTotalxxx". Assuming "calTotal" is the name of the function; replace xxx with the last 3 digits of your student ID.

Website Procedures

Dynamic websites are to be created by following the procedures at:

https://xbsoftware.com/blog/website-development-process-full-guide/

The following security requirements for a website are to be adhered to:

https://www.quicksprout.com/website-security/

Last updated: 14 April 2024