

# **AAU SCHOOL OF COMMERCE**

## **DEPARTMENT OF LSCM**

### **Group Assignment**

#### **For the course E-commerce &SCIS**

#### **Web Page Development for a Company with a Procurement and Ordering System/Registration /payment system**

##### **Objective:**

The goal of this group assignment is for your team to create a website for a fictional company, incorporating web pages that feature core business processes. The company can be in any industry, such as FMCG, online shop, School, Hospital, Hotel, or any other organization. The website should have several sections, including a Home Page, an About Us Page, a Product/Service Catalog, an **Ordering Page**, and **Procurement Pages**.

You will be required to develop the site using **HTML**, **CSS**, and **JavaScript** to ensure it is user-friendly, functional, and interactive.

**Group Size:** 4-6 members

**Timeline:** 3 weeks

##### **Project Overview:**

The website will be designed for a fictional company. For the purpose of this assignment, let's assume you are developing a **FMCG (Fast-Moving Consumer Goods)** company's website. However, you can choose to apply it to another industry (school, hospital, hotel, etc.).

The website will have the following pages:

1. **Home Page**
2. **About Us Page**
3. **Product/Service Catalogue**
4. **Ordering Page**
5. **Procurement and Management Pages**
6. **Admin Dashboard (optional)**

##### **Functional Requirements:**

###### **1. Home Page**

- A **navigation bar** linking to different pages (Home, About Us, Catalogue, Ordering, Procurement, Admin Dashboard).
- A **hero section** with an eye-catching image, headline, and a brief introduction about the company.
- **Introduction to services/products**: A section showcasing a few products or services with quick links to the full product/service catalogue.
- **Footer**: Include contact information, social media links, and links to other important pages (e.g., privacy policy, terms of service).

## 2. About Us Page

- A brief **company description**: This section should describe the history of the company, its mission, and values.
- **Team members**: Optionally, include a section introducing the core team members, with their names, positions, and photos.
- **Company milestones**: Showcase significant milestones or achievements in the company's history (e.g., years of operation, major awards, etc.).

## 3. Product/Service Catalogue Page

- **Product/Service list**: Display a list of products or services offered by the company. Include the product name, a brief description, and an image.
- **Categories/filters**: Allow users to filter products or services by category (e.g., food, electronics for FMCG, or courses for a school).
- **Interactive elements**: Include "Learn More" buttons or links for each product/service that lead to a detailed description page or pop-up modal.

## 4. Ordering Page

- **Order form**: Include an order form where customers can select products/services from the catalogue, specify quantity, and provide shipping details.
- **Form validation**: Ensure proper form validation using JavaScript (e.g., ensure fields are filled in correctly, quantities are positive numbers).
- **Order summary**: Show a summary of the items selected for the order, including product name, quantity, and price.
- **Submit button**: Allow customers to submit their order, which can trigger a success message or display a confirmation page.
- **Order confirmation**: After placing an order, redirect the user to a confirmation page showing order details.

## 5. Procurement and Management Pages

- **Procurement dashboard**: Display a list of current procurement orders for admins, including order ID, supplier, status (pending/approved), and date.
- **Add/Update Procurement**: Allow administrators to add new procurement orders or update the status of existing orders (e.g., mark as "Approved" or "Delivered").

- **Supplier management:** A section where procurement team members can add, edit, or delete suppliers (e.g., name, contact info, and products supplied).
- **Inventory tracking:** Track inventory levels and allow the procurement team to update stock levels after receiving new supplies.
- **Search/Filter functionality:** Allow admins to search orders and suppliers by different criteria (e.g., by supplier name, product, or order status).

## 6. Admin Dashboard (Optional)

- An **Admin login system** to restrict access to certain pages (only accessible by authorized users).
- **User management:** Admins can manage users (e.g., employees, procurement managers).
- **Analytics or reports:** Display basic procurement metrics, such as total order value, orders delivered this month, inventory levels, etc.

## Task Distribution:

### 1. HTML Developer

- Create the structure for all pages using HTML5 semantic elements (e.g., `<header>`, `<nav>`, `<section>`, `<footer>`, `<form>`, `<table>`).
- Build forms for orders and procurement management.
- Organize the product/service catalog with appropriate HTML tags (lists, images, links).
- Ensure the content is well-structured for better accessibility and SEO.

### 2. CSS Developer

- Design the overall look and feel of the website using CSS (e.g., Flexbox, Grid).
- Make the website responsive using media queries so that it works well on both desktop and mobile.
- Style interactive elements such as buttons, forms, and tables to ensure usability and consistency across all pages.
- Use consistent typography, color schemes, and spacing for a professional design.

### 3. JavaScript Developer

- Implement **form validation** for the ordering and procurement pages to ensure all required fields are filled and correct data is entered.
- Create interactive features such as adding items to an order, displaying order summaries, and updating procurement orders.
- Develop a simple **search and filter** system for the product catalogue and procurement orders.
- Ensure the website's dynamic features (e.g., order confirmation, updating stock) are interactive and functioning smoothly.

### 4. Project Manager/Integrator

- Oversee the project's progress, ensuring that all sections are completed on time and meet the requirements.
- Coordinate communication between team members.
- Integrate all HTML, CSS, and JavaScript components together to ensure the website functions seamlessly.

- Test the website across different browsers and devices to ensure functionality and responsiveness

## Technical Requirements:

### 1. HTML

- Proper use of HTML5 semantic tags.
- Structuring forms, tables, and lists for procurement and order management.
- Ensure a clean and accessible structure (e.g., alt attributes for images, proper heading hierarchy).

### 2. CSS

- Responsive design using **Flexbox** or **CSS Grid**.
- Consistent layout and styling for tables, forms, and other UI elements.
- Mobile-first design with media queries.
- Interactive styles such as hover effects, button animations, and modal styles.

### 3. JavaScript

- **Form validation** for order and procurement pages (e.g., checking that all fields are filled correctly, ensuring valid quantities).
- **CRUD functionality** for managing orders, products, and suppliers (add, edit, delete).
- **Order confirmation** logic and displaying order summaries dynamically.
- **Search and filter functions** for the product catalogue and procurement orders.
- Optional: Implement **Admin login** and access control.

## Evaluation Criteria:

### 1. Functionality

- Are all pages working as required (Home, About Us, Catalogue, Ordering, Procurement)?
- Does the order system work (form validation, order confirmation)?
- Does the procurement management system function properly (CRUD, inventory updates, search)?

### 2. Design and Usability

- Is the website visually appealing, easy to navigate, and user-friendly?
- Does the site have a responsive design that works across different screen sizes?
- Are forms, buttons, and links designed in a way that enhances usability?

### 3. Code Quality

- Is the code well-structured, organized, and easy to maintain?
- Are HTML, CSS, and JavaScript files properly separated and clearly commented?
- Are there any bugs or errors in the website's functionality?

#### 4. Creativity and Originality

- Does the website include unique or innovative features?
- Does the website offer an engaging user experience?

### Final Submission:

- A **link to the live website** hosted on GitHub Pages, Netlify, or a similar platform.
- A **ZIP file** containing all project files (HTML, CSS, JavaScript, images).
- A **report** (1-2 pages) describing the project, design decisions, challenges, and team contributions.

### Optional Extension (Extra Credit):

- Add **user authentication** for the Admin Dashboard (e.g., login system with secure authentication).
- Integrate **payment gateway** or **order tracking** functionality.
- Enhance the **Procurement Page** with features such as supplier ratings, delivery tracking, or inventory forecasting.

Good luck with your project, and enjoy the web development process!