**Scenario**

**Computer Force** is a brand-new start-up company that has set up its offices in the suburb of Parramatta in western Sydney. The business operations focus within the retail electronics industry.

Computer Force sells products including complete desktop computers, laptops and tablets plus components and software for these products. Sales will be undertaken purely online through a website integrated with popular social media platforms. An app for popular mobile platforms will also be developed to complement the e-commerce website, once the e-commerce website has been released. The business has no plans to open a physical storefront at this point.

The company’s premises were originally built in the early 1960s with a brick exterior and a tin roof. All lighting is currently provided by incandescent lightbulbs. Heating and cooling are provided by a very old ducted system.

The layout of the premises includes a mix of offices where staff can undertake their work duties and a warehouse with a loading dock where products are delivered, stored and then packed for delivery when they are purchased. A reception area, two conference rooms, as well as kitchen and bathroom facilities round out the layout of the premises.

**Outline of the Organisation:**

|  |  |
| --- | --- |
| **Floor Plan** | Diagram  Description automatically generated |
| **Organisation Structure**  The company currently has 22 full-time employees, and you work in the Web Developer role for the company.  You will report directly to the IT Manager, Olivia Streets. | Diagram  Description automatically generated |
| Business Plan | **Mission:** to provide Australia with quality brand-name products and technical solutions, combined with reliable support, and unparalleled customer service. To undertake this mission by embracing sound, sustainable and ethical business practices.  **Vision:** to become Australia’s largest technical hardware and software provider.  **Business objectives**  The objectives for Computer Force are outlined below:   * To become Australia’s most well-known and respected hardware and software provider. * To create a service-based organisation whose goal is to exceed customer's expectations. * To provide a smooth, efficient, and transparent sales process.   The organisation has three main business processes:   * Ordering, receiving and storing stock. * Receiving orders that are packed and sent to customers. * Standard business operations in relation to sales, human resources, management, and administration.   Product categories for sale include:   * Audio * Computers * Graphics cards * Keyboard and mice * Laptops * Monitors * Networking * Peripherals * Printing & scanning * Software * Storage * Tablets |

**Project description:**

***You have been tasked by your manager, Olivia Streets, to develop an e-commerce website for Computer Force so they can sell and market their products using the following design brief.***

|  |  |
| --- | --- |
| Design brief | The website is to include the following web pages:   * Home * Products * Register * About |
| **Layout** | **Graphical user interface, application  Description automatically generated** |
| **Layout Description** | Only the content in the main section should be updated for each web page. The content in the other sections including the header, menu, aside and footer sections should remain the same, no matter what web page the user is currently on.  The main section should take up to 60% of the available width, while the aside section should take up the remaining 40% of the available width. You should use CSS to achieve this layout, and it needs to be responsive to different screen sizes. It is recommended that you use the CSS Grid and CSS flexible box to achieve a responsive layout. Choose internal CSS for all HTML documents. |
| **Requirements for each section** | * The Header section is to contain only the Computer Force logo centrally positioned. * The Menu section is to contain links to each of the web pages within the website which is left aligned. * The Menu section should contain a search area which is right-aligned. This area should contain a text box that the user can enter text for the search term and a button with the text of “Search”. * The Aside area should contain an h2 heading with the text of “Purchases”. Under   this it should contain a small table with the following cells:   * + Row 1 Column 1: Text of “0 items.”   + Row 1 Column 2: Text of “Cart sub-total: $0.”   + Row 2, column 1 and 2: Button with the text “Go to Checkout”. * The Footer section should contain a paragraph element of a text containing copyright information. You should specify the copyright symbol followed by the current year and your name within the paragraph.   **Colour and font scheme**  The website elements should contain a colour scheme for every element within the website, barring text that appears in paragraphs. Your colour scheme should consider the colours used in the Computer Force logo and should be aesthetically pleasing. Elements such as headings, buttons, links, etc. should have a style applied to them specifying the colours (both foreground and background) as well as the fonts that should be applied to those elements. |
| **Page requirements** | |
| **Home page** | **The requirements for this page are:**   * Must have an h1 element to specify the text “Welcome to Computer Force”. * Must contain the following text directly below the header: “Computer Force is your online expert in all things computing.” * Must contain the below the previous text. An h2 and img elements for some of the main products that Computer Force sells:   + Computers   + Laptops   + Monitors   + Printing & scanning   + Software   + Tablets   Each should have a title specified by the h2 element, and an image that is appropriate to the product type. You should source relevant creative commons images for each of the products.   * Each of the above images should act as a hyperlink to an anchor for that product category on the Products page. |
| **Products Page** | **The requirements for this page are:**   * Must have an h1 element to specify the text “Products we sell”. * Contain the following text directly below the header: “Computer Force sells products in the following categories:” * Below this should be an h2 and img elements for every product category that Computer Force sells including:   + Audio   + Computers   + Graphics cards   + Keyboard and mice   + Laptops   + Monitors   + Networking   + Peripherals   + Printing & scanning   + Software   + Storage   + Tablets   Like the home page, each should have a title specified by the h2 element, and an image that is appropriate to the product type. You should source relevant creative commons images for each of the products. |
| **Register Page** | **The requirements for this page are:**   * Must have an **h1** element to specify the text “Registration Form”. * Contain the following text directly below the header: “Please complete the following form to register for an account on our website.” * The form should implement a post submission and is to contain the following elements:  |  |  | | --- | --- | | **Name** | **Notes** | | Username\* | Used to gather a unique account name. | | Email Address\* | Used to gather the user's email address. | | Password\* | Used to set the account's password. | | Confirm Password\* | Used to confirm the account password. | | First name\* | Used to set the users first name. | | Surname\* | Used to set the users surname. | | Gender\* | Used to specify whether the user is male or female. | | Date of Birth | Used to set the users date of birth. | | Address\* | Used to set the street address where the user lives. | | Suburb\* | Used to set the suburb where the user lives. | | Postcode\* | Used to set the postcode where the user lives. | | State\* | Used to set the state where the user lives. Must give the user the option one from the following states: ACT, NSW, NT, QLD, SA, TAS, VIC and WA. | | Phone number | Used to set the user phone number. | | Clear | Used to clear the form of data. | | Register | Used to submit the form data. | |
| **About Page** | **The requirements for this page are:**   * Must have an h1 element to specify the text “About Computer Force”. * Must contain the following text directly below the header:   + Computer Force is a brand-new start-up company designed to provide the first-class service to its customers. Based in Parramatta in Sydney, Computer Force provides top-class computing products at bargain prices, for sale throughout Australia.   Our goals are:   * + To become Australia’s most well-known and respected hardware and software, provider   + To create a service-based organisation whose goal is to exceed customer's expectations   + To provide a smooth, efficient, and transparent sales process * Must contain the following text directly below the previous text:   + You can contact us using the following methods:     - Address: 100 Main Road, Parramatta, NSW 20150     - Email: [info@computerforce.com.au](mailto:info@computerforce.com.au)     - Phone: 02 4444 5555 |