**PROJECT : ECOMMERECE WEBSITE**

**1.Homepage:**

The home page of this website is designed to provide users with an easy and intuitive way to navigate through the website and find the information they need. The page has a clean and modern design, with a white and sky-blue color scheme that creates a calm and inviting atmosphere. The following is a detailed description of the different functionalities offered by this home page.

**Navigation Bar:**

The navigation bar is located at the top of the page and provides users with easy access to the main sections of the website. It contains links to the home page, shop now page, about us page, and user login and registration pages. The navigation bar is collapsible and can be accessed by clicking on the hamburger menu icon on mobile devices.

**Trade-in offer:**

The first section of the home page is dedicated to promoting the current trade-in offer available on the website. It features a large banner with a call-to-action button that encourages users to shop now. This section also provides users with additional information about the trade-in offer, including the instant discounts, no-cost EMI, and the 14-day return and replacement policy.

**Front Text:**

The next section features a bold and attention-grabbing headline that reads "Super Value Deals on all Products". This section also includes a subheading that provides more information about the deals and encourages users to take advantage of them. It also provides users with a button that links to the shop now page.

**Shop Now Section:**

This section of the home page provides users with a quick overview of what they can expect to find on the shop now page. It features a large image of a shopping bag and a call-to-action button that encourages users to explore the different products available on the website.

**Deals of the Day:**

The deals of the day section features three different products that are currently on sale. Each product is displayed in a card format that includes an image of the product, the product name, price, and a brief description. This section also includes a button that links to the "know more" page, where users can find more information about the product.

**Footer:**

The footer of the website includes important information about the website, including the company's logo, social media links, and contact information. It also includes a section for users to sign up for the website's newsletter and receive updates about new products and promotions.

Overall, the home page of this website is well-designed and offers users a variety of functionalities that are easy to use and navigate. The page is visually appealing and provides users with all the necessary information they need to get started shopping on the website. Whether you are a first-time user or a regular customer, the home page of this website is sure to provide you with a seamless and enjoyable shopping experience.

**2.Shop now page :**

The above HTML code represents a basic shop now page of an e-commerce website that offers computers and accessories for home use. The page includes a navigation bar that has links to the home page, shop now page, about us page, and user accounts pages such as login and registration. The page has a title, "Shop Now," which is defined in the head section of the code.

The body section of the code includes a few main features such as the Navigation bar, Shop Now title, and product categories with images. Let's go through each functionality in detail:

**Shop Now Title:**

The Shop Now title is displayed on the top of the page, which gives users an idea about the website's main purpose. It quickly grabs the user's attention and encourages them to start shopping.

**Product Categories with Images:**

The page has three product categories with images: Laptops, Desktops & All in one PCs, and Gaming. Each category image is displayed in a card that includes the category name and some product names. The category images are clickable and redirect the user to the respective category page. This feature helps users to quickly find the products they are looking for.

**Bootstrap CSS:**

The page has used the Bootstrap CSS framework, which provides responsive design elements such as the navigation bar, card layout, and image scaling. The Bootstrap CSS framework makes the website look more organized, user-friendly, and responsive on different devices such as mobile, tablet, and desktop.

**Customized CSS:**

The page has a custom style sheet defined in the head section, which has customized the style of the page elements such as the Shop Now h1 heading, card layout, and image dimensions. This feature helps the website to have a unique look and feel.

**Font Awesome:**

The page has used the Font Awesome library, which provides icons such as the menu icon in the navigation bar. The Font Awesome library makes the website look more professional and visually appealing.

**3.Category description page:**

**Header:**

The page has a header that reads "LAPTOP DEALS". This header is styled with an underline to make it stand out.

**Cards:**

The page displays laptop deals in the form of cards. Each card has an image of the laptop, the name of the laptop, its price, and a brief description. The cards are arranged in rows of three, and there are multiple rows of cards on the page.

**"Know More" Button:**

Each card has a "Know More" button that takes the user to a separate page with more information about the laptop. The "Know More" button is styled with the primary color of the website and is centered below the description of the laptop.

**Responsive Design:**

The page is designed to be responsive, meaning it adjusts to different screen sizes. This ensures that the page looks good and is easy to use on desktops, tablets, and mobile phones.

**Bootstrap CSS:**

The page uses Bootstrap CSS, a popular front-end framework, to style its elements. This allows for easy and consistent styling across different web pages.

**Fontawesome:**

The page also uses Fontawesome, a library of icons, to display icons such as the Indian Rupee symbol.

**HTML Meta Tags:**

The page uses HTML meta tags to specify the character encoding, compatibility mode, viewport, and title of the page. These meta tags ensure that the page displays correctly on different browsers and devices.

**Customized CSS:**

The page uses a customized CSS file to style certain elements. This allows for more specific and unique styling than what is offered by Bootstrap CSS.

**Background Color:**

The page has a light blue background color that gives it a clean and modern look.

**4. About us page:**

The page begins with a welcoming message that introduces visitors to the company and its mission. The message is accompanied by an image that depicts the company's logo, which adds visual interest to the page and helps to reinforce the brand identity of Digital Den.

The page then goes on to provide detailed information about the company's history and values. This section highlights the company's commitment to excellence, its dedication to innovation, and its focus on providing the highest quality products and services to its clients. The section also includes information about the team of experts who work at Digital Den, emphasizing their skills and experience in the technology industry.

The next section of the page is dedicated to showcasing the products and services offered by Digital Den. This section provides a comprehensive overview of the company's product range, which includes the latest hardware, software, and cloud-based services. Each product is accompanied by a brief description, which helps visitors to understand the features and benefits of each product.

The page also includes a section that highlights the importance of customer satisfaction to Digital Den. This section emphasizes the company's commitment to providing exceptional customer service, and it includes information about the customer support team that is available around the clock to answer questions and provide assistance.

Overall, the "About Us" page of Digital Den is an effective tool for providing visitors with all the information they need to know about the company. The page is well-organized, easy to navigate, and provides a wealth of information about the company's history, values, products, and services.

**5. Register Page:**

The given code is an HTML code for a registration page with form validation. The page provides a form that a user can fill in order to register with the website.

The page has a navigation bar at the top of the page which contains links to the home page, shop now page, about us page, and user login and registration pages. The navigation bar is fixed at the top, meaning that it remains visible even as the user scrolls down the page.

The registration form has several fields that the user needs to fill. These fields include First Name, Last Name, Email address, Contact number, and New Password. The form fields have different input types, such as text, email, number, and password, and are marked as required so that the user cannot submit the form without filling in all the necessary fields.

The form validation is done using JavaScript. The JavaScript code validates the user's input and displays an error message if there is an error. The error message is displayed next to the field that has an error. For example, if the user enters an invalid email address, an error message is displayed next to the email address field, prompting the user to correct their input.

The validation code is called "validation()" and it is called when the user clicks the "submit" button. If all the form fields are valid, the user is redirected to a "thank you" page, and if there are any errors, the user is prompted to correct their input.

The registration form is designed using Bootstrap CSS. Bootstrap CSS provides several pre-built styles and classes that can be used to quickly create a responsive and visually appealing form. The form uses the Bootstrap grid system to ensure that it looks good on different screen sizes.

Overall, this registration page provides a simple and easy-to-use form for users to register with the website. The form validation ensures that the user enters valid information, and the Bootstrap CSS ensures that the form looks good and is responsive on different screen sizes.

The "About Us" page of Digital Den offers a comprehensive overview of the company, its mission, and the products and services it offers. The page is designed to provide visitors with all the information they need to know about Digital Den, from its history and values to its product range and customer service.

**6. Product Description page:**

The code starts with a container that has a row element. This row element consists of two columns, one for the product image and the other for the product details.

The product image column has a link to the image and a button to buy the product. The buy now button is linked to the function 'buynow()', which is triggered when the button is clicked.

The product details column has a heading, a description, and a table with specifications of the laptop. It also has two buttons, 'Show more' and 'Show images'. These buttons are linked to the functions 'show\_info()' and 'show\_img()', respectively.

The 'show\_info()' function shows more details about the product when the 'Show more' button is clicked. This function hides the initial product details and displays additional details about the product.

The 'show\_img()' function displays more images of the product when the 'Show images' button is clicked. This function hides the initial product image and displays additional images of the product.

The 'buynow()' function is linked to the 'Buy now' button and displays a form for the user to fill in their shipping details. This function hides the initial product details and displays the form to the user.

The form includes fields for the user's first name, last name, phone number, street address, postal code, country, state/province, and city. The form also has a submit button for the user to confirm their shipping details.

The code uses Bootstrap classes for the layout and styling of the website. The container and row elements are styled using Bootstrap classes.

The code uses JavaScript to link the buttons to their respective functions. The JavaScript code is included in the HTML file using script tags.

In summary, this code provides an e-commerce website for selling laptops. It allows the user to view the product details and images, and also provides a form for the user to enter their shipping details to buy the product. The code uses Bootstrap classes for styling and JavaScript to link the buttons to their functions.

**7. CSS**

**.navbar-collapse:**

This CSS class sets the flex-grow property to 0, which means that the element does not grow or shrink. The font-size property is set to 22px, which is the size of the text inside the element.

**.dropdown-menu:**

This CSS class sets the font-size property to 22px, which is the size of the text inside the dropdown menu.

**.navbar:**

This CSS class sets the background-color property to rgb(224, 255, 255), which is a light blue color. The box-shadow property creates a shadow effect around the element.

**.navbar-brand:**

This CSS class applies a transition effect with a duration of 0.5s. When the user hovers over the element, the transform property scales the element to 1.2 times its original size.

**.nav-link:**

This CSS class applies a transition effect with a duration of 0.5s. When the user hovers over the element, the transform property scales the element to 1.2 times its original size and underlines the text with a green color.

**.home1:**

This CSS class sets the margin-top property to 150px.

**.front-text:**

This CSS class sets the padding-top property to 30% and the text-shadow property to 0px 0px 3px green. The h1 element inside this class has a color property of green.

**.card:**

This CSS class applies a transition effect with a duration of 0.5s. When the user hovers over the element, the transform property scales the element to 1.1 times its original size and creates a box-shadow effect around the element.

**.img:**

This CSS class applies a transition effect with a duration of 0.5s. The overflow property is set to hidden to prevent any content from overflowing the element.

**.shop:**

This CSS class applies a transition effect with a duration of 0.5s. When the user hovers over the element, the transform property scales the element to 1.1 times its original size.

**.know-more-2 h2:**

This CSS selector sets the padding-top property of the h2 element to 10%.

**.know-more-3:**

This CSS class sets the margin-top property to 10%.

**.about-img:**

This CSS class sets the padding-top property to 25% and applies a transition effect with a duration of 0.5s. When the user hovers over the element, the transform property scales the element to 1.1 times its original size.

**.footer:**

This CSS class sets the margin-top property to 10%.

**.btn-dark:**

This CSS class sets the width property to 220px and the height property to 50px.

**.form-label:**

This CSS class sets the color property to #5c5b5b.

**.shop-now-h1:**

This CSS class sets the text-align property to center and the margin-top property to 10%. The text-decoration property underlines the text.

**.black:**

This CSS class sets the color property to #000.

**.glow-on-hover:**

This CSS class creates a button with a width of 220px and a height of 50px. When the user hovers over the button, a glowing effect is created by applying a gradient and animation effect with the pseudo-elements :before and :after.

**@keyframes glowing:**

This CSS animation sets the background-position property of the .gl

**8. Java Script:**

The first set of code creates four global variables - a, b, c, and d, and four functions - show\_info(), show\_img(), buynow(), and previous().

The show\_info() function displays the div element with the ID 'show-info' and hides the div element with the ID 'show-img'. It then sets the value of the global variable 'a' to 0.

The show\_img() function displays the div element with the ID 'show-img' and hides the div element with the ID 'show-info'. It then sets the value of the global variable 'b' to 0.

The buynow() function displays the div element with the ID 'buynow' and hides the div element with the ID 'infopage'. It then sets the value of the global variable 'c' to 0.

The previous() function hides the div element with the ID 'buynow' and displays the div element with the ID 'infopage'. It then sets the value of the global variable 'c' to 0.

The validation() function is used for validating the input fields of a form. It first retrieves the values of the input fields and stores them in variables. It then creates regular expressions for each input field that define the allowed format of the input.

The function then checks each input field against its corresponding regular expression. If the input is valid, it clears the error message for that input field. If the input is invalid, it sets the error message for that input field and returns false, which stops the form from being submitted.

The loginvalidation() function is similar to the validation() function but is used for validating the input fields of a login form.

The function retrieves the values of the email and password input fields and stores them in variables. It then creates regular expressions for each input field that define the allowed format of the input.

The function then checks each input field against its corresponding regular expression. If the input is valid, it clears the error message for that input field. If the input is invalid, it sets the error message for that input field and returns false, which stops the form from being submitted.