

# Web Design and Development 4COSC011W

## Report

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Group Number: B-2  
Student Role: 1

Link(s) to Website URL: N/A

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## 1. Introduction

My name is Aamil Aliyar, and I'm in Group B-2. Our group has chosen an educational topic and created a website called CODEHIVE that offers information on various programming languages and how they are utilized in the software development industry.

a) List of the team members, allocation of tasks (Student 1 to 4), and topic of the website.

Team Members	Role	Tasks
Aamil Aliyar	Student 1	Presentation Page, Buy Products Page, Additional Content Page, Page Editor's Page.
Dinuk Shivakumar	Student 2	Main Page, Navigation Bar, Additional CSS, Query Form, Additional Content Page, Page Editor's Page.
Aqdhas Ali	Student 3	Quiz, Student Details Page, Additional Content Page, Page Editor's Page
Tarun Aksath	Student 4	Diagram (SVG), Thumbnail images, Additional Content Page, Page Editor's Page.

b) Summary table of our contributions to the group meetings.

<b>Group Coursework Meetings</b> (minimum 5 meetings, e.g., one per week)		
<b>1</b>	<b>Date &amp; Time</b>	<b>13<sup>th</sup> March 2023</b>
	<b>Objective:</b>	<b>Discuss about the specification, Dividing the tasks, Selecting the topic, Choosing a suitable name for the website.</b>
	<b>Attended:</b>	<b>Everyone Attended</b>
	<b>Your Contribution:</b>	<b>Suggesting topics, and names for the webpage.</b>
<b>2</b>	<b>Date &amp; Time:</b>	<b>28<sup>th</sup> March 2023</b>
	<b>Objective:</b>	<b>Finalizing the topics and the theme, designing the website, Solving problems.</b>
	<b>Attended:</b>	<b>All Students Attended</b>
	<b>Your Contribution:</b>	<b>Contributed to the designing and the structure of the main page and discussed the errors of other team members.</b>
<b>3</b>	<b>Date &amp; Time:</b>	<b>1<sup>st</sup> April 2023</b>
	<b>Objective:</b>	<b>Finalizing most parts of the coursework.</b>
	<b>Attended:</b>	<b>All Students Attended</b>
	<b>Your Contribution:</b>	<b>Helped to correct the errors in the main page and finalizing it.</b>
<b>4</b>	<b>Date &amp; Time:</b>	<b>3<sup>rd</sup> April 2023</b>
	<b>Objective:</b>	<b>The team showed their completed tasks of the coursework.</b>
	<b>Attended:</b>	<b>All Students Attended</b>
	<b>Your Contribution:</b>	<b>Showed my completed tasks.</b>

5	<b>Date &amp; Time:</b>	4 <sup>th</sup> April 2023
	<b>Objective:</b>	Finalized the navigation bar and additional CSS and distributed among the team members.
	<b>Attended:</b>	All Students Attended
	<b>Your Contribution:</b>	Finalizing the Coursework.

## 2. Technical Discussion

### Student 1 Tasks:

#### 1. Task 01 - Presentation Page

My first task was to create a Presentation page for our website. Users will arrive on this page when they visit our website for the first time. The user will first view the website logo when they land on our page, followed by information about our group with an appealing hover effect. Exactly 4 seconds later, the user will be redirected to our home page. For this presentation page, my approach was a simple yet visually appealing layout. As a result, I decided to style the page with HTML and some basic CSS, assuming that would be enough for this task other than adding a lot of information and JavaScript interactivity, to not distract the user from the introduction of our Web page.

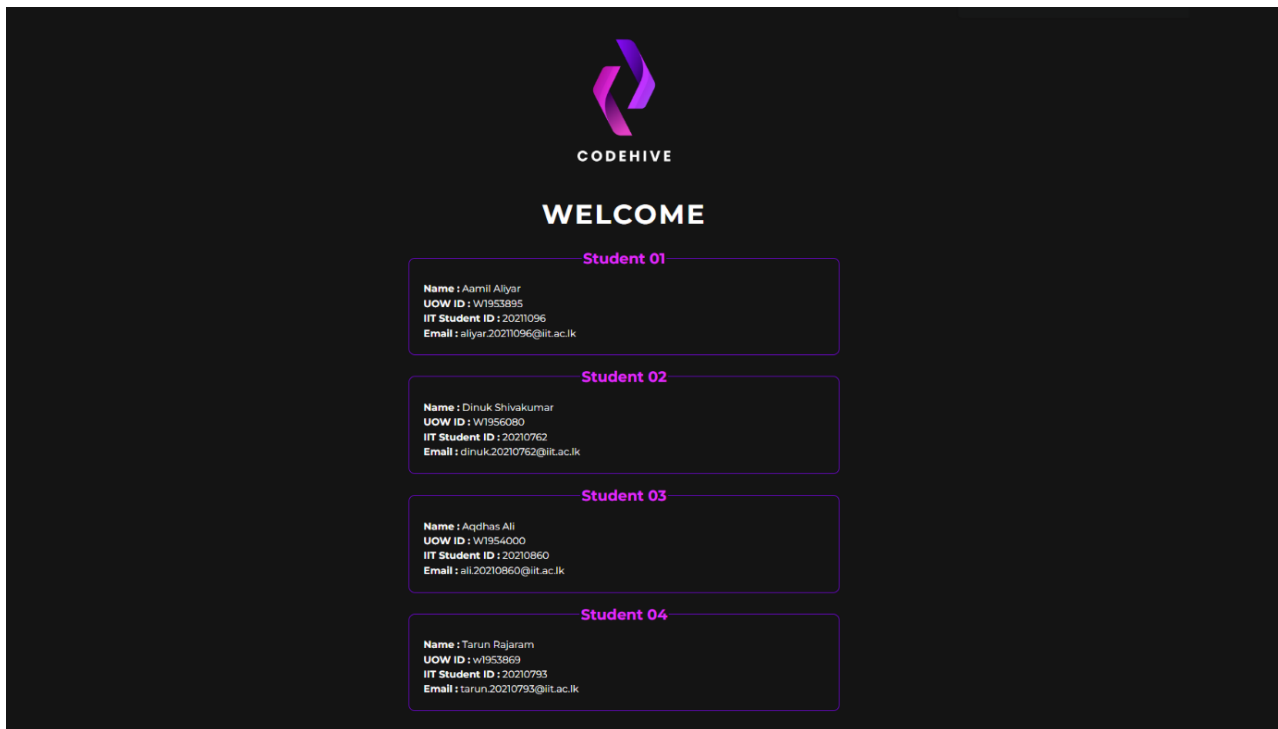


Figure. 1 Presentation Page

### HTML

In terms of HTML, I first used the <fieldset> and <legend> tags to group the information related to each student, followed by the <fieldset> tag to give each a title and a border around it. I displayed the information in bullet points using unordered list <ul> tags, making it easier to read and understand. Furthermore, I used the HTML meta refresh element for the splash screen to automatically redirect the user from the splash screen to the main page after 4

seconds. This technique is performed by including the following code snippet in the HTML document's head section:

```
<head>
  <!-- Refreshing the Splash screen -->
  <meta http-equiv= "refresh" content = "20, url=Main.html">
</head>
```

*This code was taken from the Lecture 3 material and served as a useful reference.*

## CSS

In terms of styling, I utilized relatively minimal CSS in this code to style the page. To style the presentation page, I primarily used embedded CSS. I wanted the design to be simple and straightforward, with an emphasis on readability and clarity. As a result, I utilized only the most basic CSS properties to style the elements, such as changing the background colour, font family, text colour, and border-radius. I made advantage of the. Use the main selector to centre the page's content and set the maximum width of the content to 700 pixels. The heading's font size and letter spacing were set using the h1 selector. When hovering over the <fieldset>, I utilized the fieldset: hover selector to produce a scaling effect.

## Problems Faced and The Solution

Styling the fieldsets to be visually appealing was one of the issues I experienced when developing this page. I solved this problem by using CSS's border, padding, and border-radius properties to build a bordered box around each team member's information. I also justified the text within the <fieldset> using the text-align attribute and added classes to each <fieldset> tag element to target them easily in CSS and style them separately.

## Learning Outcome

I learned how to use the meta-refresh tag to create a splash screen. This Task helped me start off with the web development coursework and provided me with hands-on experience in creating an html site.

## 2. Task 02 - Buy Products

The CODEHIVE Store is most likely the far more difficult task for student 1 because it has two main sections. We sell books and courses about programming and full-stack software development on the product page. The product page is intended to provide users with a smoother shopping experience by allowing them to browse available products, add items to their cart, and proceed to the checkout section, which is created in a separate html file. All the book covers were taken from <https://books.google.com/>.

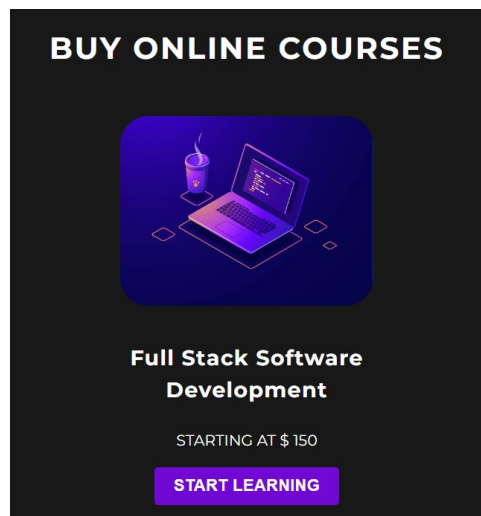


Figure. 2 CODEHIVE Store

### Shipping Details

**Name**

**Email Address**

**Address**

**Zip code**

### Payment Details

**Card Name**

Figure. 3 Checkout Page



## HTML

In terms of HTML, the main section of the page is divided into two columns in terms of HTML usage: the first column lists the products that are available, and the second column shows the user's cart and total. A card format is used to display each product, each of which includes an image, name, description, and price. The product cards are shown in a grid format, with three products in each row.

The container that houses the order summary section, the form for entering shipping and payment information, and the payment button are all located on the checkout page's main container. The list of items in the cart, the order's total price, and any express shipping options are all displayed in the order summary section.

## CSS

The checkout page's and the product page's CSS styles are clean, modern, and minimalist with a straightforward design. The predominant colour scheme is purple and dark. The product cards' responsive and adaptable layout is made possible using CSS Grid in the design.

I designed the cart styling more appealing and useful. The cart section has a distinct visual identity thanks to the use of a distinctive background colour, border radius, and margin, and the child selectors enable quite well control over elements of the cart layout. The result is a neat, orderly, functional, and aesthetically pleasing cart section.

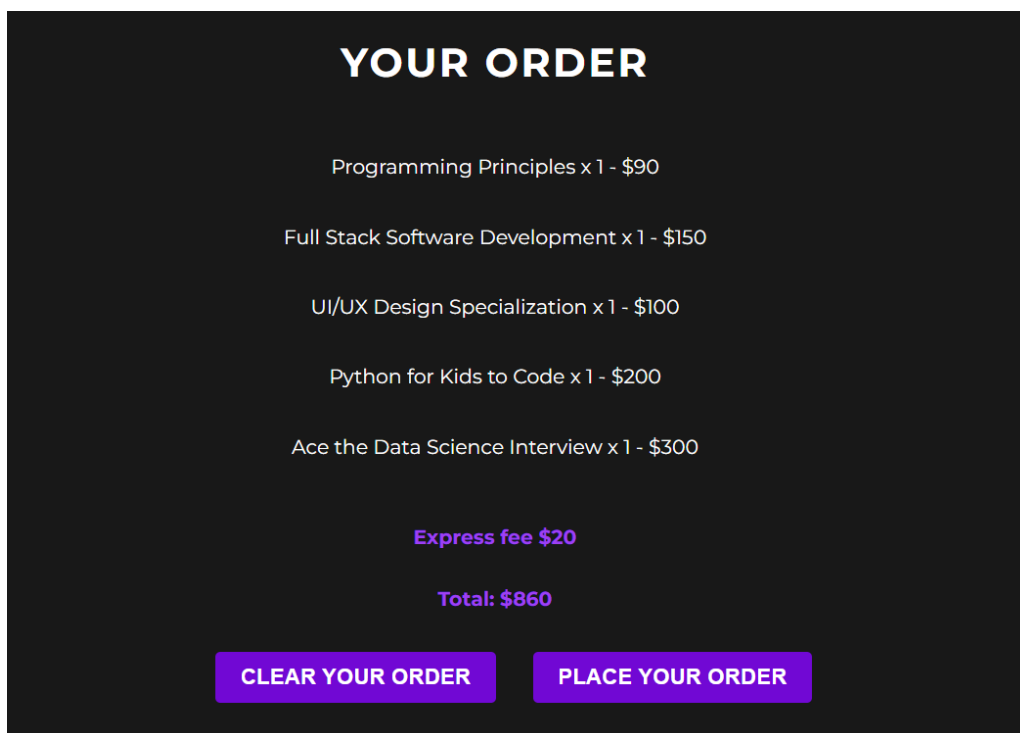


Figure.4 Cart

## JavaScript

The logic for adding items to the cart, updating the cart and total, and checking out is handled by the JavaScript code used on the product page. When a user checks out, the JavaScript code validates the user's input, creates an order object containing the cart, total, and user information, and saves the order in local storage.

The function `addToCart()` accepts three arguments: `itemName`, `itemPrice`, and `quantity`. It first checks the quantity of the item to be added to the cart, and if the item name matches a course name, it disables the course's "Start Learning" button. The `updateCart()` function updates the HTML elements that display the shopping cart contents and total price.

```
// function to update the cart and total
function updateCart() {
  // getting the cart list element
  let cartList = document.getElementById("cartList");
  let cartListwithout = document.getElementById("cartListwithout");

  // clearing the cart list element
  cartList.innerHTML = "";
  cartListwithout.innerHTML = "";

  // updating the cart list element with the items in the cart
  cart.forEach(item => {
    let li = document.createElement("li");
    li.innerHTML = `${item.name} x ${item.quantity} - $${item.price *
item.quantity}`;
    cartList.appendChild(li);
  });

  // updating the total element
  document.getElementById("total").innerHTML = `Total: $${total}`;
```

The `clearCart()` function removes all items from the cart array and resets the total price to zero. It also makes the "Start Learning" button available for all courses.

```
// function to clear the cart and total
function clearCart() {
  cart = [];
  total = 0;

  for(const c of courses){
    const startLearningBtn =
document.querySelector(`button.startLearning[id="${c}"`);
```

```
if (startLearningBtn) {  
    startLearningBtn.disabled = false;  
}  
}  
updateCart();  
}
```

The checkout () function processes the order after obtaining the user's name, email, and express delivery information from the form.

The JavaScript for the checkout, on the other hand, handles the process of submitting an order for buying products. It retrieves cart information from local storage and displays it in the cart section of the webpage. It also validates the user's payment form input and displays appropriate error messages if the input is invalid. If all the required input fields are completed, it displays an alert message asking the user to confirm the payment and redirects the user to the product page.

```
// sending the order to the server using local storage  
localStorage.setItem("order", JSON.stringify(order));  
window.location.href="Checkout.html"  
console.log("Order:", order);
```

## Problems Faced and The Solution

Several problems are encountered while developing the product page and checkout page. Validating user input during the checkout process was one of the main problems. It was challenging to make sure that users entered accurate data, such as their name, address, and payment information. It was also difficult to send the shopping cart's data to the checkout page. Several solutions were put into practice to address the issues encountered during the development process. JavaScript was used for the user input validation issue to make sure that all required fields were filled out and that the data entered was in the right format. Data was stored in local storage and retrieved on the checkout page to pass the cart information.

## Learning Outcome

During the development process, I understood the value of extensive testing and debugging. JavaScript's significance and its function in data storage and user input validation were also emphasized. It was possible to make sure that only valid data was entered by using regular expressions to validate user input. In the future, I'll use these abilities and knowledge to solve new web development tasks and keep improving my problem-solving skills.

### 3. Task 3 - Page Editor Page

The Page Editor functions as a central place for displaying all the tasks I completed during the coursework. It includes links to each HTML page I created for the tasks, as well as information about myself. All the other web pages I've created for the website include a link to this Page Editor, making it easily accessible to users.

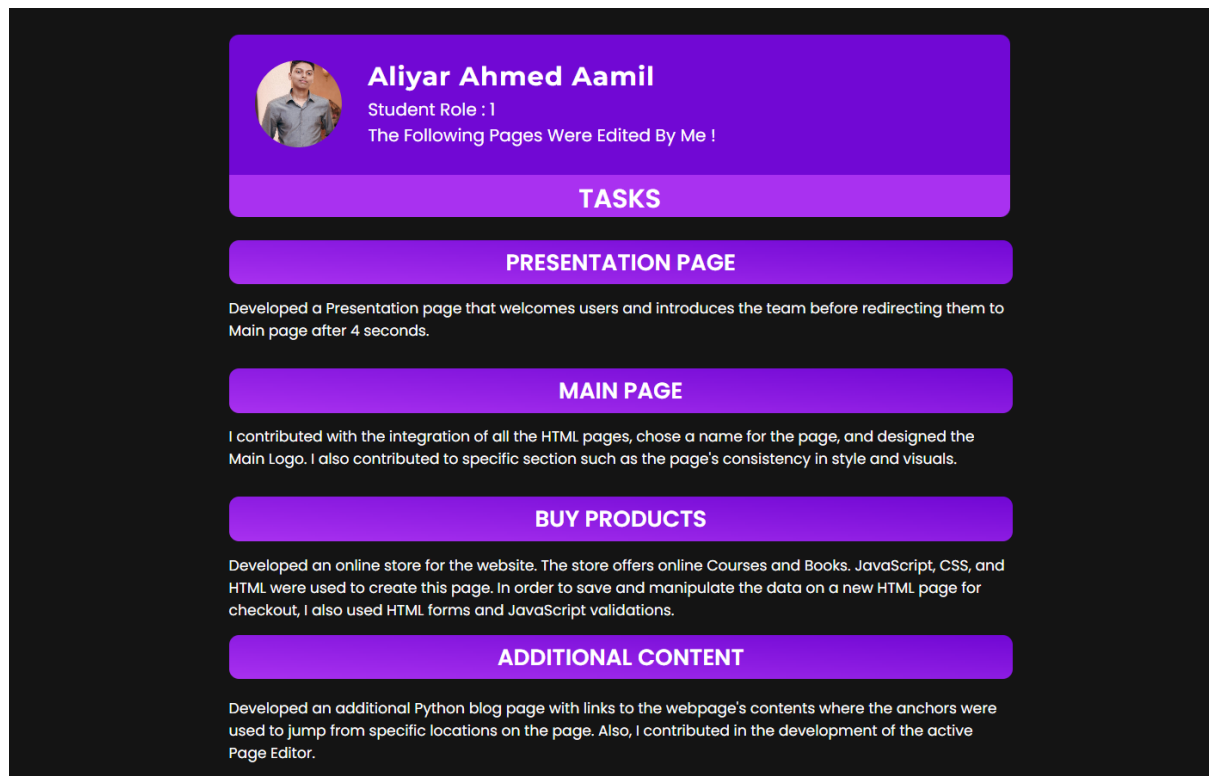


Figure.5 Page Editor

### HTML

In terms of HTML, I structured and organized the page's content using common semantic elements such as `<div>`, `<h3>`, and `<p>`. I also added a few custom classes to elements to help with styling, such as "container" and "person-info." I also used the `<img>` tag to show my image and the `<a>` tag to make card-like hyperlinks. To arrange relevant information, I used `<div>` tags, `<h2>` and `<p>` tags to define headings and paragraphs. Overall, the HTML tags helped me to structure and organize the content of the page in a way that is easily readable and understandable for users.

### CSS

I prioritized design consistency in the CSS approach I used for this page by setting global styles for all elements using a universal selector. To give the text a unique look, I used Google Fonts to import two different fonts, Poppins, and Montserrat. I also used a relative unit to set

the font size, making the design more responsive to different screen sizes. I used flexbox to align elements in the layout.

I used absolute positioning to set the position of certain elements relative to their closest positioned ancestor within their parent containers. I also added border-radius to the rounded corners and gradients to the background colors. I've also added transitions to the <div> so that when hovered over, they display smoothly. Even though we didn't have to keep the same theme for this page. Throughout the development of this page, we focused on maintaining consistency with the rest of the website.

### **Problems Faced and The Solution**

I had difficulty aligning elements to the center and adding padding to each task while developing this website. To address this, I created IDs for each task, allowing me to style each one separately and ensure that they were properly aligned to the center of the page.

### **Learning Outcome**

This task helped me improve my HTML and CSS abilities even more by showing me the value of using IDs to style individual elements and experimenting with different HTML tags and CSS properties to achieve the desired layout.

## 4. Task 4 - Additional Content Page

The Additional content page is a task that requires you to write content related to our website. Since the theme of our website is software development, we made the decision to write content about four different popular programming languages. My Additional Content Page focused on Python. I've compiled information about O'Reilly's book "Learning Python: Powerful Object-Oriented Programming, 5th Edition."

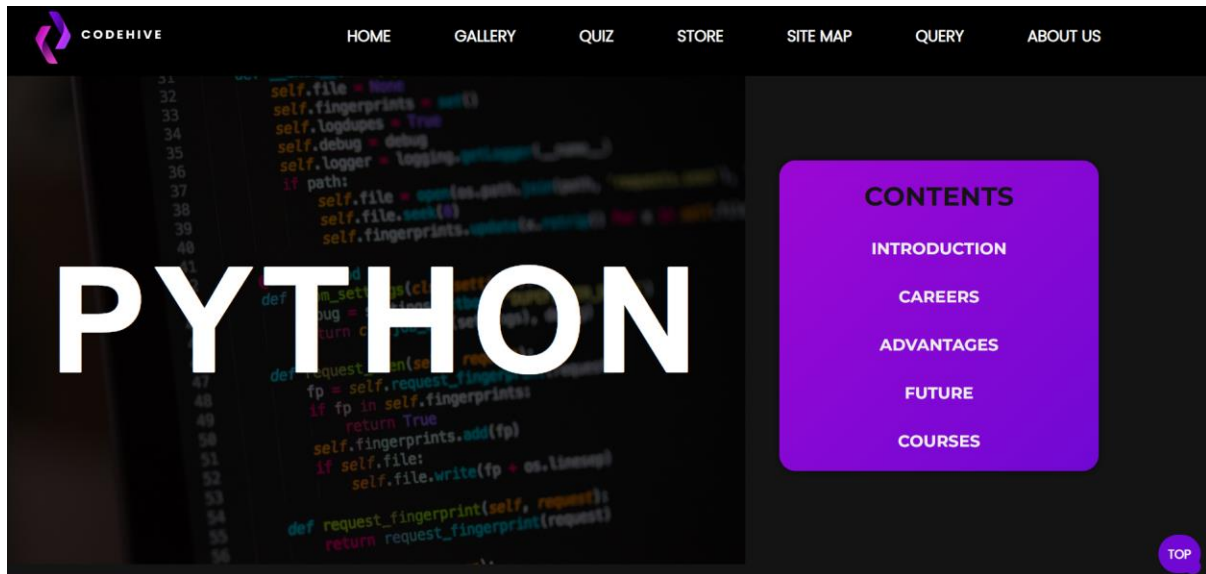


Figure 6 Python Page

### HTML

I structured the page with various elements such as headings, paragraphs, lists etc. Furthermore, I used div elements with class names to group related elements and apply specific CSS styles. The contents' heading is linked to the contents so that they can be clickable when the headings are selected by using `<a>` tags. Furthermore, I saved the page's contents inside the main and divided them into sections. I also included an image to improve the page's visual appeal and to provide Python programming language content.

### CSS

To maintain consistency across the webpages, everyone on the team almost used the same styling for this page. I designed and mostly implemented the structure of this page. We used a variety of techniques, including flexbox and grid. Additionally, I added additional styles specific to this Python page to the `pageeditor.css` file, such as hover effects and an active state for the currently selected section.

## JavaScript

The JavaScript code for the bottom to top button is a simple yet effective way to improve the website's user experience by providing a quick way for users to navigate to the top of the page. We use an embedded Javascript in our code, where the `addEventListener` method is used to attach a click event listener to the button element, which executes a function when the button is clicked. The `window` is used in this function. The `scrollTo` method is used to smoothly scroll the page to the top. The `x` and `y` coordinates of the target scroll position are passed as arguments to this method. Setting the `y` coordinate to 0 scrolls the page to the top.

## Problems Faced and The Solution

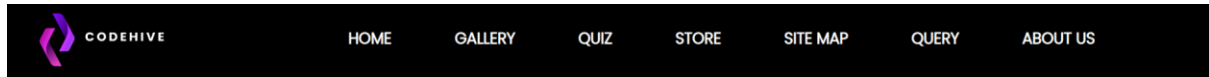
When I was developing the Python page, I ran into the problem of the heading being hidden from view by the nav bar when I clicked on the content. This was due to the page scrolling to the section corresponding to the clicked link, but the heading of that section was hidden behind the nav bar. I used the `:target` CSS selector to solve this issue. I padded the targeted section at the top to move it below the nav bar. This ensured that when the section was scrolled to, the heading would be visible.

## Learning Outcome

Through this task, I learned about the importance of understanding the anchor tags and scrolling of content, which I can apply to future web development projects.

## 5. Task 05 -Use of Navigation Bar (Adapted)

I used the navigation bar designed by Student 02 throughout my webpages and aligned it according to the design of my website using various CSS properties. I also contributed to the navigation bar's design by adding a few stylings that improved its appearance and functionality.



An unordered list is used to create the navigation bar, with each list item representing a page link. Each page's clickable links are created using anchor tags. Internal links to sections within the page are denoted by the # symbol before the page name. To align the navigation bar correctly on the page, CSS properties are used to style it.

In addition, on, I made certain that the navigation bar contained the correct links to my tasks for submission. I faced a few challenges while integrating the navigation bar, such as properly positioning it and ensuring that it worked properly across all pages. This experience taught me how to properly use navigation bars and the significance of designing them for seamless integration across pages.

```
<header> <!--Navbar and logo-->
    <a href="Home.html" ></a>
    <nav>
        <ul id="navigation">
            <li><a href="Home.html">Home</a></li>
            <li><a href="#Gallery.html">Gallery</a></li>
            <li><a href="#Quiz.html">Quiz</a></li>
            <li><a href="Product.html">Store</a></li>
            <li><a href="#Sitemap.html">Site Map</a></li>
            <li><a href="#Form.html">Query</a></li>
            <li><a href="#StudentDetails.html">About Us</a></li>
        </ul>
    </nav>
</header>
```



## 6. Task 06 - Addition CSS

To maintain consistency in styling across all pages, I used the external CSS file created by Student 02 throughout my webpages. I used the common CSS file to incorporate the navigation bar's styling and positioning, background color, and font-family. In addition, I created additional CSS files for each page to organize all the classes and make changes as easily as possible. To facilitate management, all CSS files, as well as JavaScript and image files, are stored in a separate folder.

```
body{
  font-family:'poppins', sans-serif;
  background-color: #1b1b1b;
}

/* NAVIGATION BAR */
header{
  position: fixed;
  top: 0;
  font-family:'poppins', sans-serif;
  width: 115%;
  left:0;
  height: 90px;
  background-color: #000;
  z-index: 100;
}

header img{
  top:10px;
  width:182px;
  height:90px;
  padding-left:30px;
  padding-top: 4px;
}
```

I used CSS to add hover effects, linear gradients, and properly align the contents on most of the pages. The Product page, on the other hand, required more advanced styling, which was accomplished with CSS. I used CSS form controls for the Checkout page to make the page more interactive and alive.

Because the Presentation page did not require advanced styling, I used embedded CSS to apply simple stylings. In some cases, inline CSS was used to distinguish one element from others of the same class. Overall, I was able to give my webpages a refined look and feel by using CSS, making them more engaging and appealing to users.

### 3. Webpage Validation Statement

I validated my Presentation page, Additional page, and the Page Editor by using The W3C Markup Validation Service, which produced warnings but no errors. My Product page, on the other hand, had some errors that needed to be addressed. Some of the errors were fixed, and the rest were minor suggestions.

### 4. Janet

To ensure [Janet Policies and Legal Requirements](#), a website must follow the Janet Acceptable Use Policy and related laws, such as the Data Protection Act, the Copyright, Designs, and Patents Act, and the Freedom of Information Act. These regulations and policies have been incorporated into the design of our website (Janet Policies, 2013).

We have taken steps to ensure that the website does not contain any offensive or obscene material, and we have built certain parts of the website using open-source code. We also followed the Copyright, Designs, and Patents Act of 1988 by not copying any designs from other websites. Furthermore, the website provides accurate information and does not violate any advertising, marketing, or consumer protection laws or regulations. We have ensured that the website complies with accessibility standards, making it user-friendly for people with disabilities such as visual or hearing impairments.

We have also taken steps to ensure that any intellectual property used on the website, such as logos, images, or text, is properly licensed and does not infringe on the rights of third parties. All the images on our website are free to use. As a result, Janet's Policies and Legal Requirements were followed in the development of our website. It is intended to provide a platform for individuals to learn programming languages such as Java, Python, HTML, and C++. We have not used any copyrighted content on our website, and there is no explicit content. We have acknowledged the contributions of others in the creation of this website.

## References

### Buy Product Page

[Images] Available from <https://www.freepik.com> [Accessed 30 March 2023]

[Images] Available from <https://books.google.com> [Accessed 30 March 2023]

[Top Button] <https://codepen.io/fuiba/pen/bzLJem> [Accessed 30 March 2023]

[CSS Buttons] [CSS Buttons](#) [Accessed 30 March 2023]

### Presentation Page

Lecture 3 – Automatic Redirect [Accessed 30 March 2023]

## Appendices

### Appendix A: Code

#### Presentation.html

```
<!DOCTYPE HTML>
<html lang="en">

<head>
  <meta http-equiv= "refresh" content = "4; url=Main.html"> <!-- Refreshing
the Splash screen -->
  <meta charset="UTF-8">
  <title>Presentation Page</title>
  <style>

    body {
      background-color: #141414;
      font-family: 'Montserrat', sans-serif;
    }

    .Main {
      margin: 0 auto;
      max-width: 700px;
      text-align: center;
      padding: 50px;
      color: #ffff;
    }

    h1 {
      letter-spacing: 3px;
      font-size: 44px;
      margin-top: 0px;
      margin-bottom: 30px;
    }

    legend{
      text-align:center;
    }

    fieldset {
      margin: 20px auto;
      padding: 20px;
      border: 2px solid #7108d4;
      border-radius: 10px;
      text-align: justify;
    }
```

```

fieldset:hover {
  transform: scale(1.05);
  transition: 0.5s;
}

legend {
  font-weight: bold;
  font-size: 24px;
  color: #e32bff;
}

ul {
  list-style:none;
  margin: 2px;;
  padding: 1px;
  line-height: 1.5;
}
</style>
</head>

<body>
  <!-- Splash screen Body-->
  <div class="Main">
    
    <h1>WELCOME</h1>

    <fieldset class="Student 01">
      <legend><b>Student 01</b></legend>
      <ul>
        <li><b>Name :</b> Aamil Aliyar </li>
        <li><b>UOW ID :</b> W1953895 </li>
        <li><b>IIT Student ID :</b> 20211096</li>
        <li><b>Email :</b> aliyar.20211096@iit.ac.lk</li>
      </ul>
    </fieldset>

    <fieldset class="Student 02">
      <legend><b>Student 02</b></legend>
      <ul>
        <li><b>Name :</b> Dinuk Shivakumar </li>
        <li><b>UOW ID :</b> W1956080</li>
        <li><b>IIT Student ID :</b> 20210762</li>
        <li><b>Email :</b> dinuk.20210762@iit.ac.lk</li>
      </ul>
    </fieldset>

    <fieldset class="Student 03">
      <legend><b>Student 03</b></legend>

```

```

    <ul>
      <li><b>Name :</b> Aqdhas Ali</li>
      <li><b>UOW ID :</b> W1954000</li>
      <li><b>IIT Student ID :</b> 20210860</li>
      <li><b>Email :</b> ali.20210860@iit.ac.lk</li>
    </ul>
  </fieldset>

  <fieldset class="Student 04">
    <legend><b>Student 04</b></legend>
    <ul>
      <li><b>Name :</b> Tarun Rajaram</li>
      <li><b>UOW ID :</b> w1953869</li>
      <li><b>IIT Student ID :</b> 20210793</li>
      <li><b>Email :</b> tarun.20210793@iit.ac.lk</li>
    </ul>
  </fieldset>
</div>
</body>

</html>

```

## Product.html

```

<!DOCTYPE HTML>
<html lang="en">
<head>
  <title> Store | CODEHIVE</title>
  <script src="./JS/Product.js"></script>
  <link rel="stylesheet" href="./CSS/Style.css">
  <link rel="stylesheet" href="./CSS/Product.css">
  <script>
    // JavaScript for Bottom to Top button
    topButton = document.getElementById('top');
    window.onscroll= function(){scrollFunction()};
    function scrollFunction(){
      if (document.body.scrollTop >400 ||
document.documentElement.scrollTop > 400){
        topButton.style.display= "block";
      }
      else{
        topButton.style.display = "none";
      }
    }
    function topFuntion(){
      document.documentElement.scrollTop= 0;
    }
  </script>

```

```

    </script>
</head>
<body>
    <header> <!--Navbar and logo-->
        <a href="Home.html" ></a>
        <nav>
            <ul id="navigation">
                <li><a href="#Home.html">Home</a></li>
                <li><a href="#Gallery.html">Gallery</a></li>
                <li><a href="#Quiz.html">Quiz</a></li>
                <li><a href="Product.html">Store</a></li>
                <li><a href="#SiteMap.html">Site Map</a></li>
                <li><a href="#Form.html">Query</a></li>
                <li><a href="#StudentDetails.html">About Us</a></li>
            </ul>
        </nav>
    </header>
    <br>
    <br>
    <h1>CODEHIVE STORE</h1>

    <div id="Courses">
        <legend><b>Buy Online Courses</b></legend>
        <ul>
            <li>
                
                <h3>Programming Principles</h3>
                <p>STARTING AT ₹ 90</p>
                <button class="startLearning" id="Product1"
onclick="addToCartWithout('Programming Principles', 90); ">Start
Learning</button>
            </li>
            <li>
                
                <h3>Full Stack Software Development</h3>
                <p>STARTING AT ₹ 150</p>
                <button class="startLearning" id="Product2"
onclick="addToCartWithout('Full Stack Software Development', 150); ">Start
Learning</button>
            </li>
            <li>
                
                <h3>UI/UX Design Specialization</h3>
                <p>STARTING AT ₹ 100</p>

```

```

        <button class="startLearning" id="Product3"
onclick="addToCartWithout('UI/UX Design Specialization', 100);">Start
Learning</button>
    </li>
</ul>
</div>
<br>
<div id="Books">
    <legend><b>Buy Books</b></legend>
    <ul>
        <li id="Book1">
            
            <h3>Python for Kids to Code</h3>
            <p>PRICE: &#x24; 200</p>
            <label>Quantity</label>
            <input type="number" value="0" min="0" max="20"
class="quantity1">
            <button onclick="addToCart('Python for Kids to Code',
200)">Add to Cart</button>
        </li>
        <li id="Book2">
            
            <h3>Ace the Data Science Interview</h3>
            <p>PRICE: &#x24; 300</p>
            <label>Quantity</label>
            <input type="number" value="0" min="0" max="20"
class="quantity2">
            <button onclick="addToCart('Ace the Data Science Interview',
300)">Add to Cart</button>
        </li>
        <li id="Book3">
            
            <h3>Don't Make Me Think</h3>
            <p>PRICE: &#x24; 250</p>
            <label>Quantity</label>
            <input type="number" value="0" min="0" max="20"
class="quantity3">
            <button onclick="addToCart(`Don't Make Me Think`, 250)">Add to
Cart</button>
        </li>
    </ul>
</div>
<br>

<form id="User">
    <fieldset>

```



```

        <legend><b>Customer Information</b></legend>
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>

        <label for="email">Contact:</label>
        <input type="email" id="email" name="email" required>

        <label for="fastDelivery">ExpressDelivery:</label>
        <input type="checkbox" id="ExpressDelivery" name="fastDelivery"
onchange="expressChecked()"><br><br>
    </fieldset>
</form>

<div id="cart">
    <legend><b>Your Order</b></legend>
    <ul id="cartList"></ul>
    <ul id="cartListwithout"></ul>
    <div id="express"></div>
    <div id="total"></div>
    <div id="cart_button">
        <button onclick="clearCart()">Clear Your Order</button>
        <button onclick="checkout()">Place Your Order</button>
    </div>
</div>
<br>

<!-- Back to Top -->
<div class="back-to-top">
    <a id="top" class="top" href="#"> <b>TOP</b> </a>
</div>
<footer class="footer"><br>
    <div class="footer-bottom">Page Editor | <a href="PageEditor.html">
Aamil Aliyar</a></div>
</footer>
</body>

</html>

```

### Product.css

```

*{
    box-sizing:content-box;
    padding: 0;
}

body {
    font-family: 'Montserrat', sans-serif;
    background-color: #1b1b1b;

```

```
color: #fff;
font-size: 16px;
line-height: 1.5;
}

h1 {
  font-size: 3rem;
  margin: 3rem 0;
  padding: 25px;
  color: #9d40f5;
  text-align: center;
  text-transform: uppercase;
  letter-spacing: 2px;
}

img {
  max-width: 100%;
  height: auto;
  display: block;
}

img:hover {
  transition: transform 0.2s ease-in-out;
  transform: scale(1.1);
}

ul {
  list-style: none;
}

li {
  margin: 1rem;
}

button {
  padding: 0.8rem 1.5rem;
  font-size: 1.1rem;
  font-weight: bold;
  border: none;
  border-radius: 0.5rem;
  background-color: #7108d4;
  color: #fff;
  cursor: pointer;
  transition: all 0.3s ease;
  text-transform: uppercase;
}

button:hover {
```

```
background-color: #9d40f5;
}

input[type="number"] {
  width: 4rem;
  text-align: center;
  padding: 0.5rem;
  margin: 0 1rem;
  border: 2px solid hsl(271, 93%, 43%);
  border-radius: 0.8rem;
  background-color: transparent;
  color: #fff;
  font-size: 1rem;
  font-weight: bold;
}

input[type="number"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
  -webkit-appearance: none;
  margin: 0;
}

input[type="number"]:focus {
  outline: none;
  border-color: #7108d4;
}

legend {
  font-size: 2rem;
  font-weight: bold;
  margin-bottom: 2rem;
  text-align: center;
  text-transform: uppercase;
  letter-spacing: 2px;
}

fieldset {
  border: none;
}

#Courses,
#Books,
#User,
#cart,
form {
  background-color: #181818 ;
  border-radius: 1rem;
```

```
margin-bottom: 8rem;

max-width: 1200px;
margin: 0 auto;
padding: 4rem;
}

#cart{
  margin-top: 20px;
  align-items: center;
  justify-content: center;
  margin-bottom: 20px;
}

#Courses ul,
#Books ul {
  display: flex;
  flex-wrap: wrap;
  justify-content: space-between;
}

#Courses li,
#Books li,
li {
  margin: 1rem;
  flex-basis: 23%;
  max-width: 300px;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  text-align: center;
}

#Courses img,
img {
  max-width: 100%;
  height: 200px;
  object-fit: cover;
  border-radius: 30px;
  margin-bottom: 1rem;
}

#Books img{
  max-width: 100%;
  height: 200px;
  object-fit: cover;
  border-radius: 1px;
```

```
margin-bottom: 1rem;
}

#Courses h3,
#Books h3,
li h3 {
  font-size: 1.4rem;
  margin-bottom: 0.5rem;
  letter-spacing: 1px;
}

#Courses p,
#Books p,
li p {
  font-size: 1rem;
  margin-bottom: 1rem;
}

#User label,
label {
  display: block;
  margin: 1rem 0;
  font-size: 1.1rem;
  font-weight: bold;
  text-transform: uppercase;
  letter-spacing: 1px;
}

#User input[type="text"],
#User input[type="email"],
input[type="text"],
input[type="email"],
input[type="number"] {
  width: 100%;
  padding: 0.6rem;
  margin-bottom: 1rem;
  border: 2px solid #9d40f5;
  border-radius: 0.5rem;
  background-color: transparent;
  color: #fff;
}

a:hover {
  text-decoration: none;
}

button {
```

```
background-color: #7108d4;
color: white;
padding: 10px 20px;
border: none;
border-radius: 4px;
cursor: pointer;
}

button:hover {
  background-color: #9d40f5;
}

input[type=text], select {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
}

input[type=submit] {
  background-color: #7108d4;
  color: white;
  padding: 12px 20px;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

input[type="checkbox"] {
  appearance: none;
  background-color: #fff;
  border: 2px solid #9d40f5;
  border-radius: 4rem;
  height: 1.5rem;
  width: 1.5rem;
  margin-right: 0.5rem;
  display: inline-block;
  position: relative;
  top: 3px;
}

input[type="checkbox"]:checked {
  background-color: #7108d4;
  border-color: #9d40f5;
}
```

```

input[type=submit]:hover {
  background-color: #7108d4;
}

/* Cart */
#cartList{
  align-items: center;
  display: grid;
  white-space: nowrap;
  justify-content: center;
}

#total {
  color: #9d40f5;
  font-weight: bold;
  align-items: center;
  display: grid;
  justify-content: center;
  padding-bottom: 30px;
}

#express{
  color:#9d40f5;
  font-weight: bold;
  align-items: center;
  display: grid;
  justify-content: center;
  padding-bottom: 10px;
}

#cart_button {
  display: flex;
  justify-content: center;
  align-items: center;
}
#cart button{
  margin-left: 30px;
}

```

## Checkout.html

```

<!DOCTYPE HTML>
<html lang="en">
  <head>
    <title>Checkout Page</title>
    <meta charset="UTF-8">

```

```

<link rel="stylesheet" href="./CSS/Style.css">
<link rel="stylesheet" href="./CSS/Checkout.css">
<script src="./JS/Checkout.js"></script>
</head>

<body >
  <header> <!--Navbar and logo-->
    <a href="Home.html" ></a>
    <nav>
      <ul id="navigation">
        <li><a href="#Home.html">Home</a></li>
        <li><a href="#Gallery.html">Gallery</a></li>
        <li><a href="#Quiz.html">Quiz</a></li>
        <li><a href="#Product.html">Store</a></li>
        <li><a href="#Sitemap.html">Site Map</a></li>
        <li><a href="#Form.html">Query</a></li>
        <li><a href="#StudentDetails.html">About Us</a></li>
      </ul>
    </nav>
  </header>
  <br>
  <br>
  <br>
  <br>
  <div id="load" class="container">
    <!-- Cart -->
    <span>
      <h2 id="order">Order Summary</h2>
      <ul id="cartList"></ul>
    </span>
    <div id="express"></div>
    <h3>Total price</h3> <div id="total"></div>
    <ul id="cartListwithout"></ul>
    <!-- Details -->
    <form id="form" class="form">
      <h2>Shipping Details</h2> <br>
      <div class="form-control">
        <label for="username">Name</label>
        <input type="text" placeholder="John Doe" id="name" />
        <i class="fas fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
      </div>
      <div class="form-control">
        <label for="username">Email Address</label>
        <input type="email" placeholder="Name@email.com" id="email" />
        <i class="fas fa-check-circle"></i>

```



```

        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <div class="form-control">
        <label for="username">Address</label>
        <input type="text" placeholder="1234 NW Bobcat Lane,
California" id="address" />
        <i class="fas fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <div class="form-control">
        <label for="username">Zip code</label>
        <input type="number" placeholder="0000" id="zip"/>
        <i class="fas fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <h2>Payment Details</h2><br>
    <div class="form-control">
        <label for="username">Card Name</label>
        <input type="text" placeholder="D. John" id="cname" />
        <i class="fas fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <div class="form-control">
        <label for="username">Card Number</label>
        <input type="number" placeholder="1111-2222-3333-4444"
id="cnum"/>
        <i class="fas fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <div class="form-control">
        <label for="username">Exp Date</label>
        <input type="date" placeholder="31/03" id="expdate" />
        <i class="fas fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>
    <div class="form-control">
        <label for="username">CVV</label>
        <input type="number" placeholder="0000" id="cvv"/>
        <i class="fas fa-check-circle"></i>
        <i class="fas fa-exclamation-circle"></i>
        <small>Error message</small>
    </div>

```

```

        <Button id="submit" class="pay">Make Payment</Button>
    </form>
    <br>
    <br>
</div>
<br>
<br>
<footer class="footer"><br>
    <div class="footer-bottom">Page Editor | <a href="PageEditor.html">
Aamil Aliyar</a></div>
    </footer>
</body>
</html>

```

### Checkout.css

```

* {
  box-sizing: content-box;
  padding: 0;
}

body {
  background-color: #1b1b1b;
  font-family: 'Montserrat', Open Sans;
  align-items: center;
  justify-content: center;
  min-height: 100vh;
  margin: 0;
  color: #fff;
}

/* Cart */
#cartList,
#cartListwithout {
  list-style: none;
}

#cartList li,
#cartListwithout li {
  display: flex;
  justify-content: space-between;
  margin-bottom: 8px;
  padding: 5px 20px;
}

#cartList li:last-child,
#cartListwithout li:last-child {
  margin-bottom: 20px;
}

```

```
}

#cartList li span,
#cartListwithout li span {
  font-weight: bold;
}

/* Shipping Details */
.form {
  margin-top: 30px;
  display: flex;
  flex-wrap: wrap;
}

.form-control {
  margin-bottom: 10px;
  width: 100%;
}

.form-control label {
  display: block;
  margin-bottom: 5px;
  font-weight: bold;
}

.form-control input[type="text"],
.form-control input[type="email"],
.form-control input[type="number"],
.form-control input[type="date"] {
  width: 100%;
  padding: 10px;
  border-radius: 7px;
  background-color: #383838;
  color: #fff;
  font-size: 16px;
  border-color: #9d40f5 ;
}

.form-control input[type="text"]:focus,
.form-control input[type="email"]:focus,
.form-control input[type="number"]:focus,
.form-control input[type="date"]:focus {
  outline: 3px solid #9d40f5;
}

/* Payment Details */
.form h2:last-child {
  margin-top: 20px;
```

```
}

.pay button {
  background-color: #9d40f5;
  color: #fff;
  border: none;
  border-radius: 7px;
  padding: 10px;
  margin-top: 20px;
  cursor: pointer;
}

.pay:hover {
  background-color: #7108d4;
}

input::-webkit-outer-spin-button,
input::-webkit-inner-spin-button {
  display: none;
}

.container {
  background-color: #181818;
  border-radius: 7px;
  overflow: hidden;
  width: 500px;
  max-width: 800px;
  margin: 0 auto;
  margin-top: 50px;
  margin-bottom: 30px;
  padding: 18px;
}

h2 {
  color: #7108d4;
  margin-bottom: 25px;
}

h3, #order{
  margin-top: 5px;
  padding: 5px 18px;
}

#express{
  margin-bottom: 5px;
  padding: 5px 18px;
}
```

```
#total{
  padding: 5px 20px;
  font-weight: bolder;
  color: #7108d4
}

.form {
  padding: 10px 15px;
}

.form-control {
  margin-bottom: 10px;
  padding-bottom: 25px;
  position: relative;
}

.form-control label {
  display: inline-block;
  margin-bottom: 8px;
}

.form-control input {
  border: 2px solid #f0f0f0;
  border-radius: 7px;
  display: block;
  font-family: inherit;
  font-size: 14px;
  padding: 10px;
  width: 100%;
}

.form-control i {
  visibility: hidden;
  position: absolute;
  top: 40px;
  right: 10px;
}

.form-control.error input {
  border-color: #e74c3c !important;
}

.form-control.success i.fa-check-circle {
  color: #2ecc71 !important;
  visibility: visible !important;
  border-color: rgb(51, 195, 51);
}
```

```

}

.form-control.error i.fa-exclamation-circle {
  color: #e74c3c !important;
  visibility: visible !important;
}

.form-control small {
  color: #e73f3c;
  position: absolute;
  bottom: 0;
  left: 0;
  visibility: hidden;
}

.form-control.error small {
  visibility: visible !important;
}

.form button {
  background-color: #7108d4;
  border: 2px solid #9d40f5;
  border-radius: 7px;
  color: #fff;
  display: block;
  font-family: inherit;
  font-size: 16px;
  padding: 10px;
  margin-top: 20px;
  width: 100%;
  border: none;
  transition: 0.4s;
  cursor: pointer;
}

.form button:hover{
  background-color: #9d40f5;
}

```

## PythonAd.html

```

<!DOCTYPE html>
  <html lang="en">
    <head>
      <meta charset="UTF-8">
      <title>Python Additional Page | CODE HIVE</title>

```

```

<link rel="stylesheet" href="./CSS/Style.css">
<link rel="stylesheet" href="./CSS/PythonAd.css">

<script>
    topButton = document.getElementById('top');
    window.onscroll= function() {scrollFunction()};
    function scrollFunction(){
        if (document.body.scrollTop >400 ||
document.documentElement.scrollTop > 400){
            topButton.style.display= "block";
        }
        else{
            topButton.style.display = "none";
        }
    }
    function topFuntion(){
        document.documentElement.scrollTop= 0;
    }
</script>
</head>

<body>
    <header> <!--Navbar and logo-->
        <a href="Home.html" ></a>
        <nav>
            <ul id="navigation">
                <li><a href="Home.html">Home</a></li>
                <li><a href="#Gallery.html">Gallery</a></li>
                <li><a href="#Quiz.html">Quiz</a></li>
                <li><a href="Product.html">Store</a></li>
                <li><a href="#Sitemap.html">Site Map</a></li>
                <li><a href="#Form.html">Query</a></li>
                <li><a href="#StudentDetails.html">About Us</a></li>
            </ul>
        </nav>
    </header>

    <div>
        
        <h1 class="python-header">PYTHON</h1>
    </div>

    <div id="link">
        <h2 style="font-weight: bold;"><strong>CONTENTS</strong></h2>
        <a href="#intro">INTRODUCTION</a><br>
        <a href="#careers">CAREERS</a><br>

```

```

    <a href="#advantages">ADVANTAGES</a><br>
    <a href="#future">FUTURE</a><br>
    <a href="#courses">COURSES</a>
</div>

<main>
    <div class="content-container">
        <div class="content" id="intro">
            <fieldset><legend>Introduction</legend></fieldset>
            <p>
                Python is a high-level, interpreted programming language
that has become extremely popular in recent years because of how
straightforward,
                adaptable, and simple it is to use. Guido van Rossum first
made it available in 1991, and since then it has grown to be one of the most
popular
                programming languages in the entire world. Python is a
powerful language that can be used for a variety of applications. Its syntax
is designed to be simple to read and write, making it a great choice for
beginners.
                Python is a strong and adaptable language that can be used
in a variety of contexts thanks to its expansive standard library, third-party
libraries, and community support.
            </p>
        </div>

        <div class="content" id="careers">
            <fieldset><legend>Careers Associated With
Python</legend></fieldset>
            <p>
                There are many careers associated with Python.
                Python is frequently used for software development, and
many businesses demand Python-savvy developers, and it's
                well-liked language for data science and machine learning,
so many data scientists use it to analyze and work with data.
                Python has a large library and framework ecosystem.
Therefore,It's is a useful language for DevOps engineers because
                it is frequently used for automation and scripting in this
field. Python is a popular programming language for web developers
                because it is used to create web applications, and it's
frequently used in scientific research for modeling and data analysis, so
scientists who use Python are highly prized.
            </p>
        </div>

        <div class="content" id="advantages">
            <fieldset><legend>Benefits of Learning
Python</legend></fieldset>

```



```

    <p>
        Python is a beneficial language to learn because of its
many advantages. First of all, Python is simple to learn and use,
        allowing beginners to get into programming right away.
Second, Python's syntax is easy to read and understand, making it
        accessible to people who aren't programmers. Thirdly,
Python is a flexible language that can be used for a variety of
        applications thanks to the large developer community that
has produced numerous libraries and frameworks.
        Fourth, knowing Python can lead to a variety of career
opportunities because it is used in so many industries,
        including data science, machine learning, web development,
scientific research, and more. Finally,
        Python knowledge can boost your earning potential because
it is a skill that employers value highly.
    </p>
</div>

```

```

    <div class="content" id="future">
        <fieldset><legend>Future of Python</legend></fieldset>
        <p>
            Python's utilization and popularity are expected to
continue to rise in the coming years, giving the language a bright future.
            Python is a well-liked language in many industries,
including data science, machine learning, web development, and scientific
                research, thanks to its adaptability and simplicity of
use. The need for Python developers is likely to grow as more businesses
                and organizations choose to use Python for their projects.
In addition, the Python community is consistently creating new
                frameworks and libraries to make the language even more
robust and versatile, which is likely to keep luring developers to it.
            Last but not least, even though Python is open-source, it
will continue to develop and get better over time, ensuring that it is
                useful and relevant for many years to come.
        </p>
    </div>

```

```

    <div class="content" id="courses">
        <fieldset><legend>For Free Courses :
</legend></fieldset><br>
        <ul>
            <li><a href="https://www.simplilearn.com/learn-python-
basics-free-course-skillup">Python for Beginners by SimpliLearn</a></li>
            <li><a
href="https://www.udacity.com/course/introduction-to-python--
ud1110">Introduction to Python Programming by Udacity</a></li>
            <li><a href="https://www.freecodecamp.org/news/python-
programming-course/">Python Programming Course by FreeCodeCamp</a></li>

```

```

        <li><a href="https://www.udemy.com/course/free-
python/">Python for Absolute Beginners by Udemy</a></li>
    </ul>
    <h3 style="font-weight: bold;">For Premium Courses And
Books, Checkout <a href="store.html">The CODEHIVE STORE</a></h3>
</div>

    <div class="back-to-top">
        <a id="top" class="top" href="#"> <b>TOP</b> </a>
    </div>
</div>
</main>
<footer class="footer"><br>
    <div class="footer-bottom">Page Editor | <a
href="PageEditor.html"> Aamil Aliyar</a></div>
</footer>
</body>

</html>

```

## PythonAd.css

```

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300&display=swap');
@import
url('https://fonts.googleapis.com/css2?family=Montserrat:wght@400;500;700&dis
play=swap');

body {
    background-color: #141414;
    padding-top: 5px;
}

:target:before {
    content: "";
    display: block;
    height: 90px;
    margin: -45px 0 0;
}

h1{
    color:#fff;
    text-align: center;
    margin-top: 0.80cm;
    margin-bottom: 30px;
}

```

```
#link {
  position: absolute;
  font-size: 16px;
  height: 340px;
  top: 220px;
  left: 950px;
  width: 350px;
  border-width: 2px;
  border-radius: 20px;
  padding: 20px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.5);
  background: linear-gradient(to top left, #7108d4, #9c08d4);
  text-align: center;
  justify-content: center;
  align-items: justify;
  display: grid;
  color: white;
}

#link h2{
  font-family: 'Montserrat', sans-serif;
  font-size: xx-large;
  margin-top: 5px;
}

#link a{
  font-family: 'Montserrat', sans-serif;
  font-size: 20px;
  font-weight: bold;
  color: #f0f0f0;
  text-shadow: #000;
}

#link: hover {
  color: #141414;
  transition: 0.2s ease;
  transform: translateY(-12px);
}

.python-header {
  position: absolute;
  font-family: sans-serif;
  top: 38%;
  left: 47%;
  letter-spacing: 9px;
  transform: translate(-80%);
  color: #fff;
  font-size: 180px;
```

```
text-align: center;
text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.5);
}
.python-image {
position: relative;
padding-top: 6%;
filter: brightness(0.3);
}

fieldset{
border: none;
margin-left: -15px;
}
legend {
font-family: 'Montserrat', sans-serif;
font-weight: bold;
margin-top: 15px;
text-align: left;
font-size: 24px;
color: #7108d4;
}

/* Additional Page */

.content-container{
color: white;
}

.content-container p{
text-align: justify;
text-justify: inter-word;
}

.content-container .content{
width: 80%;
margin: 0 auto;
padding-bottom: 25px;
}

.content-container legend{
font-size: 35px;
}

.content-container .back-to-top{
position: fixed;
background-color: #7108d4;
color: #fff;
bottom: 13px;
```

```
z-index: 99;
border: none;
outline: none;
padding: 10px;
border-radius: 15px;
font-size: 15px;
right: 25px;
transition: 0.4s;
cursor: pointer;
}

.content-container .back-to-top a{
text-decoration: none;
color: #fff;
}

#courses a:hover{
transition: 0.5s;
color: #7108d4;
}
```

### PageEditor.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aamil Aliyar | Page Editor</title>
  <link href="./CSS/PageEditor.css" rel="stylesheet">
</head>

<body>
  <div class="container">
    <div class="card">
      <div class="card-details">
        <div class="img-wrapper">
          
        </div>
        <div class="person-info">
          <h3>Aliyar Ahmed Aamil</h3>
          <p>Student Role : 1</p>
          <p>The Following Pages Were Edited By Me !</p>
        </div>
      </div>

      <div class="task">
```

```

        <h2>TASKS</h2>
    </div>
    <div class="task-one">
        <h3><a href="Presentation.html">Presentation Page</a></h3>
        <p id="one"> Developed a Presentation page that welcomes
            users and introduces the team before redirecting
            them to Main page after 4 seconds.</p>
    </div>
    <div class="task-two">
        <h3><a href="#Home.html">Main Page</a></h3>
        <p id="two"> I contributed with the integration of all the
HTML pages, chose a name for the page, and designed the Main Logo.
            I also contributed to specific section such as the page's
consistency in style and visuals.</p>
    </div>
    <div class="task-three">
        <h3><a href="Product.html">Buy Products</a></h3>
        <p id="three"> Developed an online store for the website.
The store offers online Courses and Books. JavaScript, CSS, and HTML were used
to create this page.
            In order to save and manipulate the data on a new HTML
page for checkout, I also used HTML forms and JavaScript validations. </p>
    </div>
    <div class="task-four">
        <h3><a href="PythonAd.html">Additional Content</a></h3>
        <p id="four"> Developed an additional Python blog page
with links to the webpage's contents
            where the anchors were used to jump from specific
locations on the page. Also, I contributed in the development of the active
Page Editor.</p>
    </div>
</div>
</div>
</body>
</html>

```

### PageEditor.css

```

@import
url("https://fonts.googleapis.com/css2?family=Poppins:wght@100;300;400;500;600
&display=swap");
@import
url('https://fonts.googleapis.com/css2?family=Montserrat:wght@400;500;700&disp
lay=swap');

* {

```

```
margin: 0;
padding: 0;
font-family: 'Poppins', sans-serif;
}

html {
  font-size: 55%;
}

body{
  background-color: #141414;
}

.container {
  margin-top: 1rem;
  width: 100%;
  height: 105vh;
  display: flex;
  justify-content: center;
  align-items: center;
}

.person-info{
  color:#ffff;
  border-radius: 10px;
}

.person-info h3 {
  font-family:'Montserrat', sans-serif;
  font-size: 3rem;
  font-weight: bold;
  letter-spacing: 0.1rem;
  margin-bottom: 0.5rem;
}

.person-info p {
  font-size: 2rem;
  color:#ffff;
}

.img-wrapper {
  width: 10rem;
  height: 10rem;
  margin-right: 3rem;
}

.img-wrapper img {
  width: 100%;
```

```
height: 100%;
object-fit: cover;
border-radius: 50%;
}

.task{
background-color: #a931f0;
color:#ffff;
width: 90rem;
height:38px;
padding-top:5px;
position:absolute;
text-align: center;
font-size: 2rem;
border-bottom-right-radius: 10px;
border-bottom-left-radius: 10px;
}

.card {
width: 90rem;
height: 70rem;
border-radius: 20px;
}

.card-details{
background-color: #7108d4;
padding: 3rem 3rem 3rem 3rem;
display: flex;
border-top-right-radius: 10px;
border-top-left-radius: 10px;
position: relative;
z-index: 100;
}

.task-one, .task-two, .task-three, .task-four{
height:125px;
left:0;
bottom: 10%;
top: 10%;
padding: 0;
margin-top:15px;
margin-bottom: 15px;
position: relative;
border-radius: 10px;
justify-content: left;
align-items: last baseline;
color: rgb(248, 248, 248);
}
```



```
.task-one h3{
  font-family:'Montserrat', sans-serif;
  text-transform: uppercase;
  color: #e6e6e6;
  font-size: 2.6rem;
  text-align: center;
  text-decoration: #e6e6e6;
}

.task-two h3{
  font-family:'Montserrat', sans-serif;
  text-transform: uppercase;
  font-size: 2.6rem;
  text-align: center;
}

.task-three h3{
  font-family:'Montserrat', sans-serif;
  text-transform: uppercase;
  font-size: 2.6rem;
  text-align: center;
}

.task-four h3{
  font-family:'Montserrat', sans-serif;
  text-transform: uppercase;
  font-size: 2.6rem;
  text-align: center;
}

.task-one,.task-two,.task-three,.task-four p {
  margin-top: 5px;
  margin-bottom: 5px;
  font-size: 1.7rem;
  color: rgb(255, 255, 255);
  letter-spacing: 0.0.1rem;
}

#one, #two, #three, #four{
  padding-top: 13px;
}

#four{
  padding-bottom:40px;
}
```

```
a {
  color: #fff;
  text-decoration: none;
  background: linear-gradient(to bottom left, #7108d4, #a931f0);
  display: inline-block;
  width: 778px;
  padding: 5px 8px ;
  border-radius: 10px;
  transition: 0.3s ease;
}

a:hover {
  transition: transform 0.1s ease-in-out;
  transform: scale(1.1)
}
```

### Style.css

```
@import url('https://fonts.cdnfonts.com/css/gotham');
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300&display=swap');
@import
url('https://fonts.googleapis.com/css2?family=Montserrat:wght@400;500;700&display=swap');

body{
  font-family:'poppins', sans-serif;
  background-color:#1b1b1b;
}

/* NAVIGATION BAR */
header{
  position: fixed;
  top: 0;
  font-family:'poppins', sans-serif;
  width: 115%;
  left:0;
  height: 90px;
  background-color: #000;
  z-index: 100;
}

header img{
  top:10px;
  width:182px;
  height:90px;
```

```
padding-left:30px;
padding-top: 4px;
}

#logo:hover {
  transition: transform 0.2s ease-in-out;
  transform: scale(1.05);
}

#navigation
{
  position: fixed;
  width:auto;
  height: 57px;
  top:1px;
  right: 7%;
  background-color: black;
}

#navigation li{
  top:5px;
  display:inline-block;
  padding:6px 25px;
  margin-right:12px;
  margin-top: 5px;
}

#navigation li a{
  text-decoration: none;
  color:rgb(255, 255, 255);
  font-size: 19px;
  font-weight: 650;
  top: 10px;
  text-transform: uppercase;
  padding:5px;
  border:1px solid #000;
  transition: 0.6s Fast Out, Linear In;
}

#navigation li a:hover{
  transition: 0.5s;
  color: #7008d1;
}

/* FOOTER */

.footer{
  background-color: black;
```

```
color:#fff;
height:70px;
width:115%;
justify-content: center;
font-family:'poppins', sans-serif;
text-transform: uppercase;
text-align: center;
/* position: absolute; */
bottom: 0px;
left:0px;
top:290%;
padding-top: 3px;
margin-left: -80px;
bottom: 0%;
font-size: 16px;
font-weight: bold;
}

.footer a:hover {
  transition: 0.5s ;
  color: #7108d4;
}

/* Back to Top */

#top{
  position: fixed;
  background-color: #7108d4;
  font-family:'poppins', sans-serif;
  color: #fff;
  bottom: 15px;
  z-index: 99;
  border: none;
  outline: none;
  padding: 12px;
  border-radius:25px;
  font-size: 15px;
  right: 25px;
  transition: 0.4s;
  cursor: pointer;
}

.back-to-top{
  position: fixed;
  background-color: #7108d4;
  color: #fff;
  bottom: 13px;
  z-index: 99;
  border: none;
```

```
outline: none;
padding: 10px;
border-radius:15px;
font-size: 15px;
right: 25px;
transition: 0.4s;
cursor: pointer;
}

.back-to-top a{
  text-decoration: none;
  color: #fff;
}

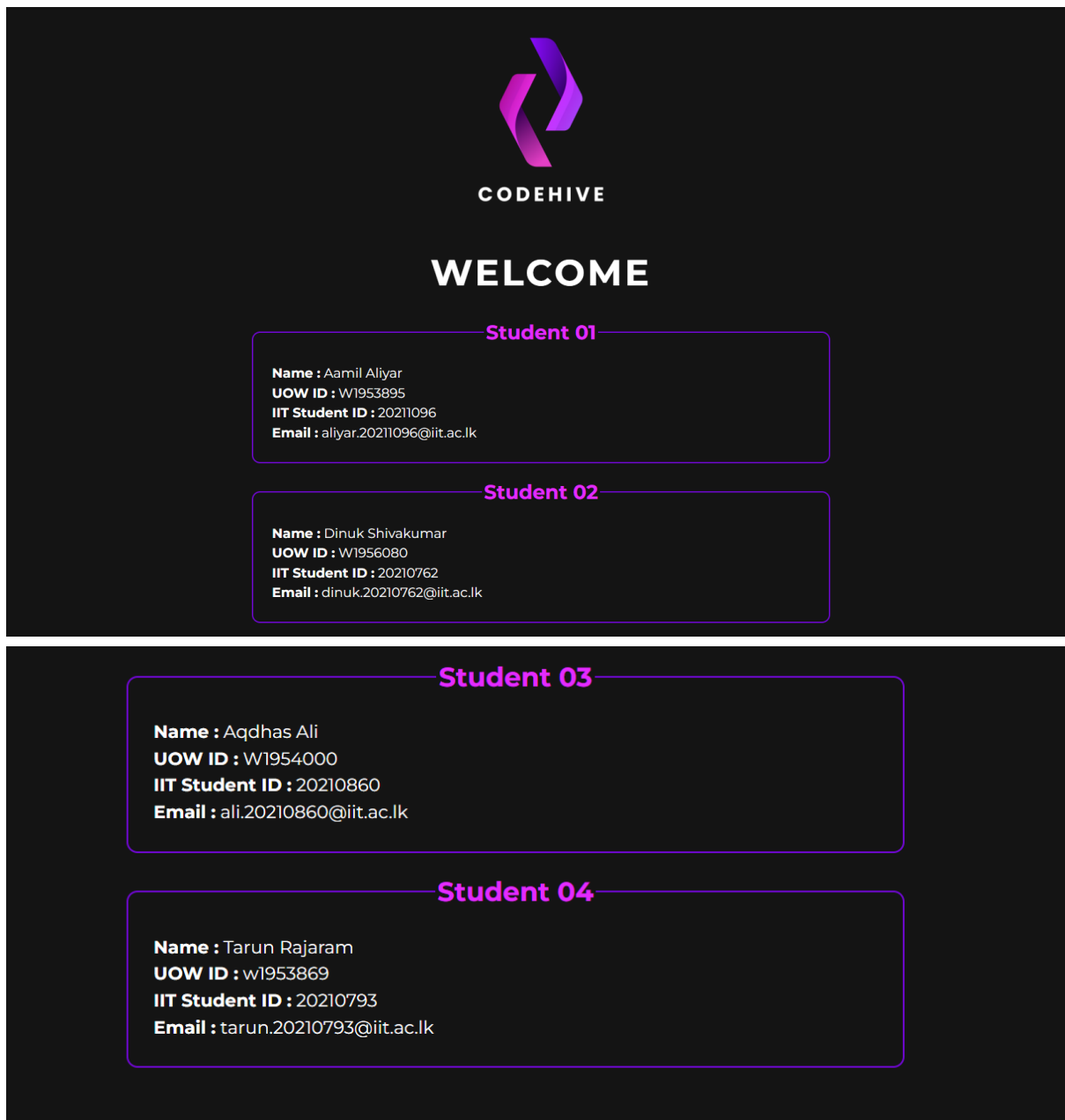
a {
  color: #fff;
  text-decoration:none
}


a:visited {
  color: #fff;
}

#top:hover{
  background-color: #da24d1;
}
```

## Appendix B: Screenshots

## Presentation.html



  
CODEHIVE

## WELCOME

**Student 01**

**Name :** Aamil Aliyar  
**UOW ID :** W1953895  
**IIT Student ID :** 20211096  
**Email :** aliyar.20211096@iit.ac.lk

**Student 02**

**Name :** Dinuk Shivakumar  
**UOW ID :** W1956080  
**IIT Student ID :** 20210762  
**Email :** dinuk.20210762@iit.ac.lk


**Student 03**

**Name :** Aqdhas Ali  
**UOW ID :** W1954000  
**IIT Student ID :** 20210860  
**Email :** ali.20210860@iit.ac.lk

**Student 04**

**Name :** Tarun Rajaram  
**UOW ID :** w1953869  
**IIT Student ID :** 20210793  
**Email :** tarun.20210793@iit.ac.lk

## Product.html

 CODEHIVE

HOME

GALLERY

QUIZ

STORE


SITE MAP

QUERY


ABOUT US

## CODEHIVE STORE


### BUY ONLINE COURSES



Programming



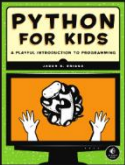
Full Stack Software



UI/UX Design

TOP

### BUY BOOKS




Python for Kids to Code

PRICE: \$ 200

QUANTITY

ADD TO CART

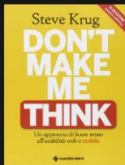


Ace the Data Science Interview

PRICE: \$ 300

QUANTITY

ADD TO CART



Don't Make Me Think

PRICE: \$ 250

QUANTITY

ADD TO CART

TOP

### CUSTOMER INFORMATION

NAME:

CONTACT:

EXPRESSDELIVERY:

☐

TOP

## YOUR ORDER

Python for Kids to Code x 1 - \$200

Ace the Data Science Interview x 1 - \$300

Programming Principles x 1 - \$90

Express fee \$20

Total: \$610


CLEAR YOUR ORDER

PLACE YOUR ORDER

TOP



## Checkout.html



HOMEGALLERYQUIZSTORESITE MAPQUERYABOUT US

### Order Summary

Python for Kids to Code (I) - \$200  
Ace the Data Science Interview (I) - \$300  
Programming Principles (I) - \$90  
Express Delivery \$20  
**Total price**  
**\$610**

### Shipping Details

**Name**  
Aamil Aliyar

### Email Address

aamilaliyar@gmail.com


**Address**  
1234 NW Bobcat Lane, California

**Zip code**  
0000

### Payment Details

**Card Name**  
D. John

**Card Number**  
1111-2222-3333-4444



HOMEGALLERYQUIZSTORESITE MAPQUERYABOUT US

Card Name Required

**Card Number**  
1111-2222-3333-4444

Card Number Required

**Exp Date**  
mm/dd/yyyy


Date Required


**CVV**  
0000

CVV Required

Make Payment

## PythonAd.html


[HOME](#)
[GALLERY](#)
[QUIZ](#)
[STORE](#)
[SITE MAP](#)
[QUERY](#)
[ABOUT US](#)



# PYTHON

## CONTENTS

- INTRODUCTION
- CAREERS
- ADVANTAGES
- FUTURE
- COURSES

## Introduction

Python is a high-level, interpreted programming language that has become extremely popular in recent years because of how straightforward, adaptable, and simple it is to use. Guido van Rossum first made it available in 1991, and since then it has grown to be one of the most popular programming languages in the entire world. Python is a powerful language that can be used for a variety of applications. Its syntax is designed to be simple to read and write, making it a great choice for beginners. Python is a strong and adaptable language that can be used in a variety of contexts thanks to its expansive standard library, third-party libraries, and community support.

## Careers Associated With Python

There are many careers associated with Python. Python is frequently used for software development, and many businesses demand Python-savvy developers, and it's well-liked language for data science and machine learning, so many data scientists use it to analyze and work with data. Python has a large library and framework ecosystem. Therefore, it's a useful language for DevOps engineers because it is frequently used for automation and scripting in this field. Python is a popular programming language for web developers because it is used to create web applications, and it's frequently used in scientific research for modeling and data analysis, so scientists who use Python are highly prized.

## Benefits of Learning Python

Python is a beneficial language to learn because of its many advantages. First of all, Python is simple to learn and use, allowing beginners to get into programming right away. Second, Python's syntax is easy to read and understand, making it accessible to people who aren't programmers. Thirdly, Python is a flexible language that can be used for a variety of applications, thanks to the large and active community that has produced numerous

## Future of Python

Python's utilization and popularity are expected to continue to rise in the coming years, giving the language a bright future. Python is a well-liked language in many industries, including data science, machine learning, web development, and scientific research, thanks to its adaptability and simplicity of use. The need for Python developers is likely to grow as more businesses and organizations choose to use Python for their projects. In addition, the Python community is consistently creating new frameworks and libraries to make the language even more robust and versatile, which is likely to keep luring developers to it. Last but not least, even though Python is open-source, it will continue to develop and get better over time, ensuring that it is useful and relevant for many years to come.


## For Free Courses :

- Python for Beginners by Simplilearn
- Introduction to Python Programming by Udacity
- Python Programming Course by FreeCodeCamp
- Python for Absolute Beginners by Udemy

For Premium Courses And Books, Checkout The CODEHIVE STORE

PAGE EDITOR | AAMIL ALIYAR

## PageEditor.html



**Aliyar Ahmed Aamil**  
Student Role : 1  
The Following Pages Were Edited By Me !

**TASKS**

**PRESENTATION PAGE**  
Developed a Presentation page that welcomes users and introduces the team before redirecting them to Main page after 4 seconds.

**MAIN PAGE**  
I contributed with the integration of all the HTML pages, chose a name for the page, and designed the Main Logo. I also contributed to specific section such as the page's consistency in style and visuals.

**BUY PRODUCTS**  
Developed an online store for the website. The store offers online Courses and Books. JavaScript, CSS, and HTML were used to create this page. In order to save and manipulate the data on a new HTML page for checkout, I also used HTML forms and JavaScript validations.

**ADDITIONAL CONTENT**  
Developed an additional Python blog page with links to the webpage's contents where the anchors were used to jump from specific locations on the page. Also, I contributed in the development of the active

## Appendix C: Screenshots - Webpage Validation Evidence

### Presentation.html (Splash Screen)

#### Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for **Presentation.html**

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...](#)

Check by [file upload](#) [Choose File](#) No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check](#)

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 7 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 23.3.31

### PythonAd.html (Additional Page)

#### Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for **PythonAd.html**

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...](#)

Check by [file upload](#) [Choose File](#) No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check](#)

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 17 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 23.3.31

### PageEditor.html (Page Editor)

#### Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for **PageEditor.html**

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...](#)

Check by [file upload](#) [Choose File](#) No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check](#)

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Info** Trailing slash on void elements [has no effect](#) and [interacts badly with unquoted attribute values](#).

From line 14, column 25; to line 14, column 68

```
--
```

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 7 milliseconds.

## Appendix D: Individual Statement

Student Name:	Aliyar Ahmed Aamil	Student Id:	20211096
State what tasks you carried out in the project.			
I have successfully completed all the tasks assigned to Student 1, which include developing the Presentation page, Buy Products page, Additional Content page, and the Page Editor.			
State what you enjoyed and did not enjoy about teamwork.			
Working as a team to develop a website was an enjoyable experience, and we had the opportunity to implement innovative ideas. However, the lack of consistency between our webpages was a concern.			
State what you learnt about teamwork.			
My experience has taught me that effective communication and understanding among team members are vital to accomplishment.			
State what skills you gained/learnt from undertaking the project.			
Apart from self-learning, I learned more HTML, CSS, and JavaScript. In a project, I also learned the value of communication, time management, and teamwork.			
State any strengths about yourself that emerged whilst undertaking the project.			
I have strong problem-solving strengths, which aided me in identifying and correcting errors in my code. In addition, I discovered that I have good design skills.			
State any weaknesses about yourself that emerged whilst undertaking the project.			
Procrastination has been one of my weaknesses. I tend to put off tasks until the last minute, which causes unnecessary stress and pressure.			
State how you would do things better if you were to undertake the project again.			
I would spend more time on design and web development research. I would also research new technologies and tools that could improve the website's functionality and user experience. Communication within the team is another important aspect that I would prioritize to avoid misunderstandings and ensure a smooth workflow.			
Additional general or project specific comments: N/A			

**Appendix E: Task Completion Checklist**

Complete the table to indicate if any of your tasks were not completed or partially completed.

Student 1 Tasks	Completed			Student Comments
	Yes	No	Partially	
1 - Presentation Page	*			<b>Fully Completed</b>
2a - Main (Home) Page	*			
4 - Buy products	*			<b>Fully Completed</b>
9b - External CSS (9a reused)	*			
10 - Extra content page/anchors	*			<b>Fully Completed</b>
11 - Page Editor	*			<b>Fully Completed</b>
12 - Logo/Page Editor	*			
13 - Additional Interactivity	*			
14 - Uploaded to Server	*			