

Web Design and Development

4COSC011W

Report

Author: Amadee Ranasinghe
Student ID: 20221238

Group Number:
Student Role: Student 1

Link(s) to WebSite

URL:

[Presentation Page](#)

[Shop page](#)

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1. Introduction

Section guidelines:

- List of the team members, allocation of tasks (student 1 to 4), and topic of the website.
- Include the summary table of your contributions to the group meetings.

a)
Amadee Raansinghe : Student 1
Devhan Dodamphala : Student 2
Imasha : Student 3
Ranujitha Sugathadasa : Student 4

Topic : ENGARDE FENCERS

Group Coursework Meeting – 01,02		
1	Date & Time	02/26 – 10.00-11.30a.m.
	Objective:	Leader Appointed. Assigned roles and responsibilities. Brainstormed website ideas
	Attended:	Attended
	Your Contribution:	I made sure to actively participate in our brainstorming meetings for website ideas by offering advice and criticism on various concepts put forth by team members.
2	Date & Time:	02/27 – 8.30p.m – 10.00p.m
	Objective:	Subject selected. Brainstormed website ideas
	Attended:	Attended
	Your Contribution:	I actively engaged in the brainstorming session and contributed my suggestions for the website's topic. I considered the intended audience, the goal of the website, and the overarching message we wanted to get through.

Group Coursework Meeting – 03,04		
3	Date & Time	03/07 – 7.30pm. – 10.00p.m
	Objective:	Finalizing the website concept. Discussing the website content. Deciding on the website's color scheme
	Attended:	Attended
	Your Contribution:	I actively participated in the conversation to choose the website's subject and goal as part of my effort to complete the website concept. To improve the user experience, I also recommended using multimedia components like photographs and videos.
4	Date & Time:	03/12 – 10.30a.m – 12.00a.m
	Objective:	
	Attended:	Absent
	Your Contribution:	

Group Coursework Meeting – 05,06	
5	Date & Time: 03/14- 7.30p.m – 9.00p.m Objective: Reviewing progress on assigned tasks. Discussing the website's navigation menu.
	Attended: Attended
6	Date & Time: 03/21- 10.30p.m. – 12.30p.m Objective: Discussed about a few challenges each one of us faced so far while completing the tasks.
	Attended: Attended
	Your Contribution: To make sure we were on track to reach our objectives, I evaluated the development so far and offered input. When it came time to talk about the website's navigation menu, I gave my suggestions for how we could make it simple and user-friendly.

Group Coursework Meeting – 07,08 – PHYSICAL MEETUPS	
7	Date & Time: 03/31- 9.30a.m – 2.30p.m Objective: Helped each other with the challenges each one of us was facing at the time. Added the navigation bar and footer for each individual page.
	Attended: Attended
	Your Contribution: I actively assisted in helping my team members get beyond the difficulties they encountered while creating the website. In order to make sure the website was user-friendly and simple to browse, I offered input on the design components and made suggestions for enhancements where appropriate.
8	Date & Time: 04/03- 9.30a.m – 1.00p.m Objective: Linked all the web pages and finalized the website
	Attended: Attended
	Objective: Assisting other team members in finalizing their respective pages by providing feedback and suggestions for improvement.

2. Technical Discussion

1000 words (*guidelines*)

Section guidelines

- **For each of your tasks** you will need to explain your choices regarding the page, your approach and defend your decisions regarding which elements and what HTML, CSS or JavaScript techniques you used.
- Explain what problems you faced, how you solved them and what you learnt by completing this task.

- Make references to resources used, whether these are lecture notes or external sources.
- Illustrate your explanation with code snippets and screen shots where appropriate.
- **Discuss only the tasks that you were allocated.**

Student 1 Tasks:

1. Presentation Page
2. Buy products
3. Page Editor Page
4. Extra content page relevant to topic
5. Use of provided navigation bar (adapted).
6. Addition CSS.

1.Presentation page

A list of team members is displayed using the `<div>` and `` tags. The `id` attribute is used to uniquely identify the `div` element, and the `class` attribute is used to apply the CSS styles to the members' list. Each team member's details are displayed inside a `<div>` element with the `class` attribute "member."

Finally, the `<script>` tag is used to execute a JavaScript function that redirects the user to the "shop.html" page after a delay of 4 seconds using the `setTimeout()` inbuilt javascript function.

A problem I came accross when creating the page was incorporating the splash screen and adjusting the box sizes for each student's details. To resolve the issue, I explored built-in JavaScript functions and discovered the `setTimeout()` function, which allowed me to complete the splash screen task. I resolved the issue with the box sizes by adding appropriate margins to each student's box. This task helped me learn more about built-in JavaScript functions.

```

File Edit Selection View Go Run Terminal Help
presentation.html - CW_2_final - Visual Studio Code
EXPLORER ... JS script.js shop.html # common.css \ main (1).html # common.css C:\...\Downloads pageEditor.html # presentation.html style.css checkout ...
presentation.html > html > body > div#member-list > div.member > br
> idea 31 <div class="member">
> images 32 Student 2 <br><br>
> checkout.html 33 Devhan Dodamphala <br><br>
# common.css 34 <span class="uow-id">W1951126 </span>
# pageEditor.html 35 <br><br>
# presentation.css 36 <span class="iit-id">20221394 </span>
</div>
37
38 <div class="member">
39 Student 3 <br><br>
40 Imarsh Udayang 1 <br><br>
41 <span class="uow-id">W1956115 </span>
42 <br><br>
43 <span class="iit-id">20221357 </span>
44 </div>
45
46 <div class="member">
47 Student 4 <br><br>
48 Ranujitha Sugathadasa <br><br>
49 <span class="uow-id">W1956115 </span>
50 <br><br>
51 <span class="iit-id">20221357 </span>
52 </div>
53
54 </div>
55
56 <script>
57   setTimeout(function () { //built in function which allows to execute a function after a specified amount of time
58     window.location.href = "shop.html";
59   }, 4000); //the time should be used in millisecond
60 </script>
61 </body>
62 </html>
63
64
65

```

Ln 51, Col 21 Spaces: 4 UTF-8 CRLF HTML Port: 5500 6:39 PM 4/5/2023

2.Buy Products

To complete this task I have used two separate html pages. 1.shop.html

2.checkout.html

The shop.html includes a navigation bar, a cart section, a top section, a feature section that displays different product categories, the products, and a footer section with a back to top button. I have used separate classes and unique ids, respectively. I used java script for the category filtering functionality shows a specific category of products when its corresponding category button is clicked. When a category button is clicked, the screen smoothly scrolls to the products in the selected category.

The shopping cart functionality allows the user to add products to the cart and view them on a car that slides in from the right when the cart icon is clicked. The cart icon on the page also

displays the number of products in the cart. The user can increase or decrease the quantity of each product in the cart or remove it entirely. When the user clicks the "Buy" button, the cart items' information is stored in the browser's local storage, and the user is redirected to the checkout page. The "Clear Cart" button clears all the items in the cart.

The checkout.html file includes a header and a message, followed by a form with two sections: personal information and payment information. Each section includes input fields. At the end of the form, the user cart is displayed with the items in the cart, the quantity, and the total price, along with an image of the product. The java script I used for this retrieves the cart items and total price from the browser's storage and displays them on the page. It includes a function called "submitForm()" that's called when the user clicks the "proceed to checkout" button. This function checks if the form is valid, submits the form, prompts an alert message indicating the order was placed successfully, and redirects to the "shop.html" page. If the form is not valid, it shows an alert message indicating there are errors on the form.

The CSS code for the two html files is in one style.css page. For instance, the **.fe-box** selector applies styles to boxes that contain images on a section of the page with an ID of "feature". These styles include width, height, text-align, padding, box-shadow, border, border-radius, margin, and cursor properties. It also applies different styles to the **img** and **button** elements within those boxes.

The **#product1** selector applies styles to a section of the page with an ID of "product1", including text-align and padding properties. It also applies styles to elements with the classes "pro-container" and "pro", such as width, padding, border, border-radius, box-shadow, margin, and transition properties. It further applies different styles to the **img**, **h5**, **i**, and **h4** elements within those elements.

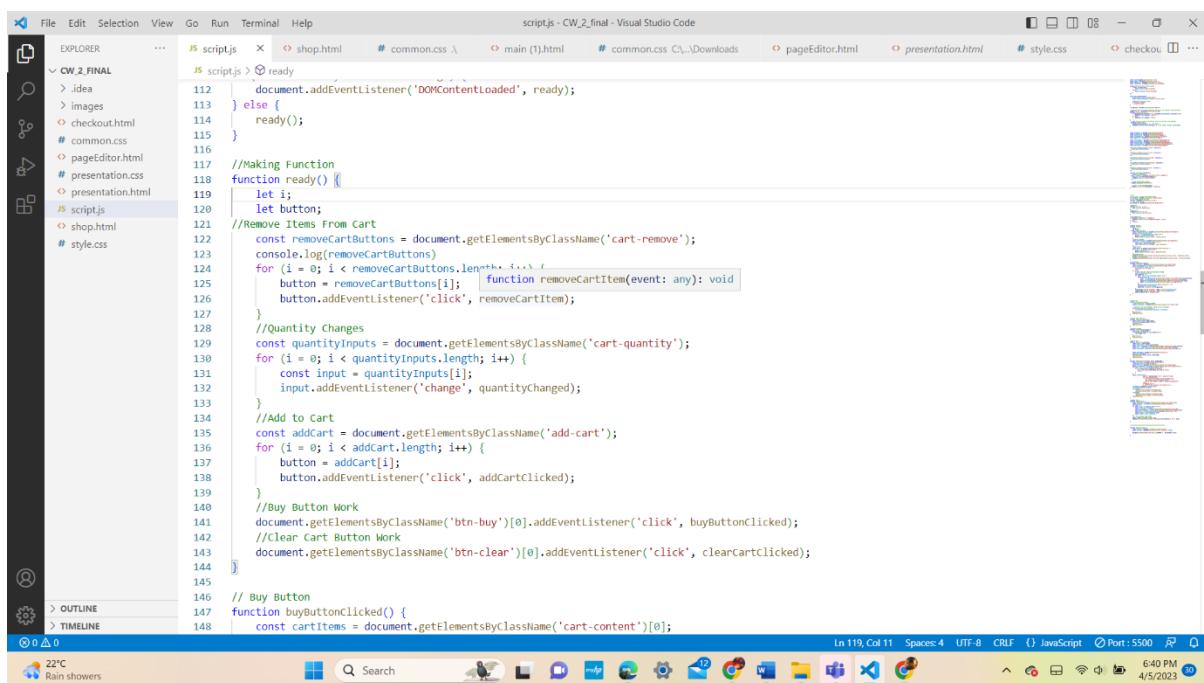
One of the main challenges I was facing while completing this task was making the shopping cart functional, such as buying the products and updating the total. To solve this, I created a function called "ready" which contains several event listeners for various actions related to the cart.

First, I used a for loop to loop through all the "remove from cart" buttons on the page and added an event listener to each button to remove the corresponding item from the cart when clicked.

then did the same for the quantity input fields, adding an event listener to each field to update the cart total when the quantity is changed.

Next, added event listeners to the "add to cart" buttons to add the item to the cart when clicked and to the "buy" button to finalize the purchase by sending the cart data to the server. Finally, you added an event listener to the "clear cart" button to remove all items from the cart when clicked.

By completing this task, I have learned how to create and use event listeners in JavaScript to make web pages interactive and functional. And how to use loops to iterate through HTML elements and manipulate their properties.



```

File Edit Selection View Go Run Terminal Help
script.js - CW_2_Final - Visual Studio Code
script.js > $ ready
112 |   document.addEventListener('DOMContentLoaded', ready);
113 | } else {
114 |   ready();
115 |
116 //Making Function
117 function ready() {
118   let i;
119   let button;
120
121 //Remove Items From Cart
122 const removeCartButtons = document.getElementsByClassName('cart-remove');
123 console.log(removeCartButtons)
124 for (i = 0; i < removeCartButtons.length; i++) {
125   button = removeCartButtons[i];
126   button.addEventListener('click', removeCartItem);
127 }
128
129 //Quantity Changes
130 const quantityInputs = document.getElementsByClassName('cart-quantity');
131 for (i = 0; i < quantityInputs.length; i++) {
132   const input = quantityInputs[i];
133   input.addEventListener('change', quantityChanged);
134 }
135
136 //Add to Cart
137 const addCart = document.getElementsByClassName('add-cart');
138 for (i = 0; i < addCart.length; i++) {
139   button = addCart[i];
140   button.addEventListener('click', addCartClicked);
141 }
142
143 //Buy Button Work
144 document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
145
146 //Clear Cart Button Work
147 document.getElementsByClassName('btn-clear')[0].addEventListener('click', clearCartClicked);
148
149 // Buy Button
150 function buyButtonClicked() {
151   const cartItems = document.getElementsByClassName('cart-content')[0];
152
153   const cartHTML = [
154     `

Item 1: Product A (1)

`,
155     `

Item 2: Product B (2)

`,
156     `

Item 3: Product C (3)

`,
157     `

Item 4: Product D (4)

`,
158   ].join('');
159
160   cartItems.innerHTML = cartHTML;
161 }
162
163 // Clear Cart Clicked
164 function clearCartClicked() {
165   const cartItems = document.getElementsByClassName('cart-content')[0];
166
167   cartItems.innerHTML = '';
168 }
169
170 // Add to Cart Clicked
171 function addCartClicked() {
172   const cartItems = document.getElementsByClassName('cart-content')[0];
173
174   const cartHTML = [
175     `

Item 1: Product A (1)

`,
176     `

Item 2: Product B (2)

`,
177     `

Item 3: Product C (3)

`,
178     `

Item 4: Product D (4)

`,
179   ].join('');
180
181   cartItems.innerHTML = cartHTML;
182 }
183
184 // Quantity Change
185 function quantityChanged(event) {
186   const input = event.target;
187   const value = input.value;
188   const item = input.parentElement;
189   const title = item.querySelector('.item-title').innerText;
190   const price = item.querySelector('.item-price').innerText;
191   const quantity = item.querySelector('.item-quantity').innerText;
192
193   const cartItems = document.getElementsByClassName('cart-content')[0];
194
195   const cartHTML = [
196     `

Item 1: Product A (1)

`,
197     `

Item 2: Product B (2)

`,
198     `

Item 3: Product C (3)

`,
199     `

Item 4: Product D (4)

`,
200   ].join('');
201
202   cartItems.innerHTML = cartHTML;
203 }
204
205 // Remove Item
206 function removeCartItem(event) {
207   const button = event.target;
208   const item = button.parentElement;
209
210   item.remove();
211 }
212
213 // Total Price
214 function calculateTotalPrice() {
215   const cartItems = document.getElementsByClassName('cart-content')[0];
216
217   const cartHTML = [
218     `

Item 1: Product A (1)

`,
219     `

Item 2: Product B (2)

`,
220     `

Item 3: Product C (3)

`,
221     `

Item 4: Product D (4)

`,
222   ].join('');
223
224   cartItems.innerHTML = cartHTML;
225 }
226
227 // Click Listener
228 document.addEventListener('click', function(event) {
229   const target = event.target;
230
231   if (target.classList.contains('cart-remove')) {
232     removeCartItem(target);
233   }
234   else if (target.classList.contains('add-cart')) {
235     addCartClicked(target);
236   }
237   else if (target.classList.contains('cart-quantity')) {
238     quantityChanged(target);
239   }
240   else if (target.classList.contains('btn-buy')) {
241     buyButtonClicked(target);
242   }
243   else if (target.classList.contains('btn-clear')) {
244     clearCartClicked(target);
245   }
246 }
247 );
248
249 // DOMContentLoaded
250 document.addEventListener('DOMContentLoaded', ready);
251
252 // Ready Function
253 function ready() {
254   let i;
255   let button;
256
257   //Remove Items From Cart
258   const removeCartButtons = document.getElementsByClassName('cart-remove');
259   for (i = 0; i < removeCartButtons.length; i++) {
260     button = removeCartButtons[i];
261     button.addEventListener('click', removeCartItem);
262   }
263
264   //Quantity Changes
265   const quantityInputs = document.getElementsByClassName('cart-quantity');
266   for (i = 0; i < quantityInputs.length; i++) {
267     const input = quantityInputs[i];
268     input.addEventListener('change', quantityChanged);
269   }
270
271   //Add to Cart
272   const addCart = document.getElementsByClassName('add-cart');
273   for (i = 0; i < addCart.length; i++) {
274     button = addCart[i];
275     button.addEventListener('click', addCartClicked);
276   }
277
278   //Buy Button Work
279   document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
280
281   //Clear Cart Button Work
282   document.getElementsByClassName('btn-clear')[0].addEventListener('click', clearCartClicked);
283
284   // Buy Button
285   function buyButtonClicked() {
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`,
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Item 2: Product B (2)

`,
291       `

Item 3: Product C (3)

`,
292       `

Item 4: Product D (4)

`,
293     ].join('');
294
295     cartItems.innerHTML = cartHTML;
296   }
297
298   // Clear Cart Clicked
299   function clearCartClicked() {
300     const cartItems = document.getElementsByClassName('cart-content')[0];
301
302     cartItems.innerHTML = '';
303   }
304
305   // Add to Cart Clicked
306   function addCartClicked() {
307     const cartItems = document.getElementsByClassName('cart-content')[0];
308
309     const cartHTML = [
310       `

Item 1: Product A (1)

`,
311       `

Item 2: Product B (2)

`,
312       `

Item 3: Product C (3)

`,
313       `

Item 4: Product D (4)

`,
314     ].join('');
315
316     cartItems.innerHTML = cartHTML;
317   }
318
319   // Quantity Change
320   function quantityChanged(event) {
321     const input = event.target;
322     const value = input.value;
323     const item = input.parentElement;
324     const title = item.querySelector('.item-title').innerText;
325     const price = item.querySelector('.item-price').innerText;
326     const quantity = item.querySelector('.item-quantity').innerText;
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328     const cartItems = document.getElementsByClassName('cart-content')[0];
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335     ].join('');
336
337     cartItems.innerHTML = cartHTML;
338   }
339
340   // Remove Item
341   function removeCartItem(event) {
342     const button = event.target;
343     const item = button.parentElement;
344
345     item.remove();
346   }
347
348   // Total Price
349   function calculateTotalPrice() {
350     const cartItems = document.getElementsByClassName('cart-content')[0];
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`,
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`,
357     ].join('');
358
359     cartItems.innerHTML = cartHTML;
360   }
361
362   // Click Listener
363   document.addEventListener('click', function(event) {
364     const target = event.target;
365
366     if (target.classList.contains('cart-remove')) {
367       removeCartItem(target);
368     }
369     else if (target.classList.contains('add-cart')) {
370       addCartClicked(target);
371     }
372     else if (target.classList.contains('cart-quantity')) {
373       quantityChanged(target);
374     }
375     else if (target.classList.contains('btn-buy')) {
376       buyButtonClicked(target);
377     }
378     else if (target.classList.contains('btn-clear')) {
379       clearCartClicked(target);
380     }
381   });
382 }
383
384 // Ready Function
385 function ready() {
386   let i;
387   let button;
388
389   //Remove Items From Cart
390   const removeCartButtons = document.getElementsByClassName('cart-remove');
391   for (i = 0; i < removeCartButtons.length; i++) {
392     button = removeCartButtons[i];
393     button.addEventListener('click', removeCartItem);
394   }
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401   }
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403   //Add to Cart
404   const addCart = document.getElementsByClassName('add-cart');
405   for (i = 0; i < addCart.length; i++) {
406     button = addCart[i];
407     button.addEventListener('click', addCartClicked);
408   }
409
410   //Buy Button Work
411   document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
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428   }
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432     const cartItems = document.getElementsByClassName('cart-content')[0];
433
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Item 3: Product C (3)

`,
445       `

Item 4: Product D (4)

`,
446     ].join('');
447
448     cartItems.innerHTML = cartHTML;
449   }
450
451   // Quantity Change
452   function quantityChanged(event) {
453     const input = event.target;
454     const value = input.value;
455     const item = input.parentElement;
456     const title = item.querySelector('.item-title').innerText;
457     const price = item.querySelector('.item-price').innerText;
458     const quantity = item.querySelector('.item-quantity').innerText;
459
460     const cartItems = document.getElementsByClassName('cart-content')[0];
461
462     const cartHTML = [
463       `

Item 1: Product A (1)

`,
464       `

Item 2: Product B (2)

`,
465       `

Item 3: Product C (3)

`,
466       `

Item 4: Product D (4)

`,
467     ].join('');
468
469     cartItems.innerHTML = cartHTML;
470   }
471
472   // Remove Item
473   function removeCartItem(event) {
474     const button = event.target;
475     const item = button.parentElement;
476
477     item.remove();
478   }
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482     const cartItems = document.getElementsByClassName('cart-content')[0];
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489     ].join('');
490
491     cartItems.innerHTML = cartHTML;
492   }
493
494   // Click Listener
495   document.addEventListener('click', function(event) {
496     const target = event.target;
497
498     if (target.classList.contains('cart-remove')) {
499       removeCartItem(target);
500     }
501     else if (target.classList.contains('add-cart')) {
502       addCartClicked(target);
503     }
504     else if (target.classList.contains('cart-quantity')) {
505       quantityChanged(target);
506     }
507     else if (target.classList.contains('btn-buy')) {
508       buyButtonClicked(target);
509     }
510     else if (target.classList.contains('btn-clear')) {
511       clearCartClicked(target);
512     }
513   });
514 }
515
516 // Ready Function
517 function ready() {
518   let i;
519   let button;
520
521   //Remove Items From Cart
522   const removeCartButtons = document.getElementsByClassName('cart-remove');
523   for (i = 0; i < removeCartButtons.length; i++) {
524     button = removeCartButtons[i];
525     button.addEventListener('click', removeCartItem);
526   }
527
528   //Quantity Changes
529   const quantityInputs = document.getElementsByClassName('cart-quantity');
530   for (i = 0; i < quantityInputs.length; i++) {
531     const input = quantityInputs[i];
532     input.addEventListener('change', quantityChanged);
533   }
534
535   //Add to Cart
536   const addCart = document.getElementsByClassName('add-cart');
537   for (i = 0; i < addCart.length; i++) {
538     button = addCart[i];
539     button.addEventListener('click', addCartClicked);
540   }
541
542   //Buy Button Work
543   document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
544
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546   document.getElementsByClassName('btn-clear')[0].addEventListener('click', clearCartClicked);
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`,
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558
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560   }
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564     const cartItems = document.getElementsByClassName('cart-content')[0];
565
566     cartItems.innerHTML = '';
567   }
568
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570   function addCartClicked() {
571     const cartItems = document.getElementsByClassName('cart-content')[0];
572
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Item 1: Product A (1)

`,
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Item 2: Product B (2)

`,
576       `

Item 3: Product C (3)

`,
577       `

Item 4: Product D (4)

`,
578     ].join('');
579
580     cartItems.innerHTML = cartHTML;
581   }
582
583   // Quantity Change
584   function quantityChanged(event) {
585     const input = event.target;
586     const value = input.value;
587     const item = input.parentElement;
588     const title = item.querySelector('.item-title').innerText;
589     const price = item.querySelector('.item-price').innerText;
590     const quantity = item.querySelector('.item-quantity').innerText;
591
592     const cartItems = document.getElementsByClassName('cart-content')[0];
593
594     const cartHTML = [
595       `

Item 1: Product A (1)

`,
596       `

Item 2: Product B (2)

`,
597       `

Item 3: Product C (3)

`,
598       `

Item 4: Product D (4)

`,
599     ].join('');
600
601     cartItems.innerHTML = cartHTML;
602   }
603
604   // Remove Item
605   function removeCartItem(event) {
606     const button = event.target;
607     const item = button.parentElement;
608
609     item.remove();
610   }
611
612   // Total Price
613   function calculateTotalPrice() {
614     const cartItems = document.getElementsByClassName('cart-content')[0];
615
616     const cartHTML = [
617       `

Item 1: Product A (1)

`,
618       `

Item 2: Product B (2)

`,
619       `

Item 3: Product C (3)

`,
620       `

Item 4: Product D (4)

`,
621     ].join('');
622
623     cartItems.innerHTML = cartHTML;
624   }
625
626   // Click Listener
627   document.addEventListener('click', function(event) {
628     const target = event.target;
629
630     if (target.classList.contains('cart-remove')) {
631       removeCartItem(target);
632     }
633     else if (target.classList.contains('add-cart')) {
634       addCartClicked(target);
635     }
636     else if (target.classList.contains('cart-quantity')) {
637       quantityChanged(target);
638     }
639     else if (target.classList.contains('btn-buy')) {
640       buyButtonClicked(target);
641     }
642     else if (target.classList.contains('btn-clear')) {
643       clearCartClicked(target);
644     }
645   });
646 }
647
648 // Ready Function
649 function ready() {
650   let i;
651   let button;
652
653   //Remove Items From Cart
654   const removeCartButtons = document.getElementsByClassName('cart-remove');
655   for (i = 0; i < removeCartButtons.length; i++) {
656     button = removeCartButtons[i];
657     button.addEventListener('click', removeCartItem);
658   }
659
660   //Quantity Changes
661   const quantityInputs = document.getElementsByClassName('cart-quantity');
662   for (i = 0; i < quantityInputs.length; i++) {
663     const input = quantityInputs[i];
664     input.addEventListener('change', quantityChanged);
665   }
666
667   //Add to Cart
668   const addCart = document.getElementsByClassName('add-cart');
669   for (i = 0; i < addCart.length; i++) {
670     button = addCart[i];
671     button.addEventListener('click', addCartClicked);
672   }
673
674   //Buy Button Work
675   document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
676
677   //Clear Cart Button Work
678   document.getElementsByClassName('btn-clear')[0].addEventListener('click', clearCartClicked);
679
680   // Buy Button
681   function buyButtonClicked() {
682     const cartItems = document.getElementsByClassName('cart-content')[0];
683
684     const cartHTML = [
685       `

Item 1: Product A (1)

`,
686       `

Item 2: Product B (2)

`,
687       `

Item 3: Product C (3)

`,
688       `

Item 4: Product D (4)

`,
689     ].join('');
690
691     cartItems.innerHTML = cartHTML;
692   }
693
694   // Clear Cart Clicked
695   function clearCartClicked() {
696     const cartItems = document.getElementsByClassName('cart-content')[0];
697
698     cartItems.innerHTML = '';
699   }
700
701   // Add to Cart Clicked
702   function addCartClicked() {
703     const cartItems = document.getElementsByClassName('cart-content')[0];
704
705     const cartHTML = [
706       `

Item 1: Product A (1)

`,
707       `

Item 2: Product B (2)

`,
708       `

Item 3: Product C (3)

`,
709       `

Item 4: Product D (4)

`,
710     ].join('');
711
712     cartItems.innerHTML = cartHTML;
713   }
714
715   // Quantity Change
716   function quantityChanged(event) {
717     const input = event.target;
718     const value = input.value;
719     const item = input.parentElement;
720     const title = item.querySelector('.item-title').innerText;
721     const price = item.querySelector('.item-price').innerText;
722     const quantity = item.querySelector('.item-quantity').innerText;
723
724     const cartItems = document.getElementsByClassName('cart-content')[0];
725
726     const cartHTML = [
727       `

Item 1: Product A (1)

`,
728       `

Item 2: Product B (2)

`,
729       `

Item 3: Product C (3)

`,
730       `

Item 4: Product D (4)

`,
731     ].join('');
732
733     cartItems.innerHTML = cartHTML;
734   }
735
736   // Remove Item
737   function removeCartItem(event) {
738     const button = event.target;
739     const item = button.parentElement;
740
741     item.remove();
742   }
743
744   // Total Price
745   function calculateTotalPrice() {
746     const cartItems = document.getElementsByClassName('cart-content')[0];
747
748     const cartHTML = [
749       `

Item 1: Product A (1)

`,
750       `

Item 2: Product B (2)

`,
751       `

Item 3: Product C (3)

`,
752       `

Item 4: Product D (4)

`,
753     ].join('');
754
755     cartItems.innerHTML = cartHTML;
756   }
757
758   // Click Listener
759   document.addEventListener('click', function(event) {
760     const target = event.target;
761
762     if (target.classList.contains('cart-remove')) {
763       removeCartItem(target);
764     }
765     else if (target.classList.contains('add-cart')) {
766       addCartClicked(target);
767     }
768     else if (target.classList.contains('cart-quantity')) {
769       quantityChanged(target);
770     }
771     else if (target.classList.contains('btn-buy')) {
772       buyButtonClicked(target);
773     }
774     else if (target.classList.contains('btn-clear')) {
775       clearCartClicked(target);
776     }
777   });
778 }
779
780 // Ready Function
781 function ready() {
782   let i;
783   let button;
784
785   //Remove Items From Cart
786   const removeCartButtons = document.getElementsByClassName('cart-remove');
787   for (i = 0; i < removeCartButtons.length; i++) {
788     button = removeCartButtons[i];
789     button.addEventListener('click', removeCartItem);
790   }
791
792   //Quantity Changes
793   const quantityInputs = document.getElementsByClassName('cart-quantity');
794   for (i = 0; i < quantityInputs.length; i++) {
795     const input = quantityInputs[i];
796     input.addEventListener('change', quantityChanged);
797   }
798
799   //Add to Cart
800   const addCart = document.getElementsByClassName('add-cart');
801   for (i = 0; i < addCart.length; i++) {
802     button = addCart[i];
803     button.addEventListener('click', addCartClicked);
804   }
805
806   //Buy Button Work
807   document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
808
809   //Clear Cart Button Work
810   document.getElementsByClassName('btn-clear')[0].addEventListener('click', clearCartClicked);
811
812   // Buy Button
813   function buyButtonClicked() {
814     const cartItems = document.getElementsByClassName('cart-content')[0];
815
816     const cartHTML = [
817       `

Item 1: Product A (1)

`,
818       `

Item 2: Product B (2)

`,
819       `

Item 3: Product C (3)

`,
820       `

Item 4: Product D (4)

`,
821     ].join('');
822
823     cartItems.innerHTML = cartHTML;
824   }
825
826   // Clear Cart Clicked
827   function clearCartClicked() {
828     const cartItems = document.getElementsByClassName('cart-content')[0];
829
830     cartItems.innerHTML = '';
831   }
832
833   // Add to Cart Clicked
834   function addCartClicked() {
835     const cartItems = document.getElementsByClassName('cart-content')[0];
836
837     const cartHTML = [
838       `

Item 1: Product A (1)

`,
839       `

Item 2: Product B (2)

`,
840       `

Item 3: Product C (3)

`,
841       `

Item 4: Product D (4)

`,
842     ].join('');
843
844     cartItems.innerHTML = cartHTML;
845   }
846
847   // Quantity Change
848   function quantityChanged(event) {
849     const input = event.target;
850     const value = input.value;
851     const item = input.parentElement;
852     const title = item.querySelector('.item-title').innerText;
853     const price = item.querySelector('.item-price').innerText;
854     const quantity = item.querySelector('.item-quantity').innerText;
855
856     const cartItems = document.getElementsByClassName('cart-content')[0];
857
858     const cartHTML = [
859       `

Item 1: Product A (1)

`,
860       `

Item 2: Product B (2)

`,
861       `

Item 3: Product C (3)

`,
862       `

Item 4: Product D (4)

`,
863     ].join('');
864
865     cartItems.innerHTML = cartHTML;
866   }
867
868   // Remove Item
869   function removeCartItem(event) {
870     const button = event.target;
871     const item = button.parentElement;
872
873     item.remove();
874   }
875
876   // Total Price
877   function calculateTotalPrice() {
878     const cartItems = document.getElementsByClassName('cart-content')[0];
879
880     const cartHTML = [
881       `

Item 1: Product A (1)

`,
882       `

Item 2: Product B (2)

`,
883       `

Item 3: Product C (3)

`,
884       `

Item 4: Product D (4)

`,
885     ].join('');
886
887     cartItems.innerHTML = cartHTML;
888   }
889
890   // Click Listener
891   document.addEventListener('click', function(event) {
892     const target = event.target;
893
894     if (target.classList.contains('cart-remove')) {
895       removeCartItem(target);
896     }
897     else if (target.classList.contains('add-cart')) {
898       addCartClicked(target);
899     }
900     else if (target.classList.contains('cart-quantity')) {
901       quantityChanged(target);
902     }
903     else if (target.classList.contains('btn-buy')) {
904       buyButtonClicked(target);
905     }
906     else if (target.classList.contains('btn-clear')) {
907       clearCartClicked(target);
908     }
909   });
910 }
911
912 // Ready Function
913 function ready() {
914   let i;
915   let button;
916
917   //Remove Items From Cart
918   const removeCartButtons = document.getElementsByClassName('cart-remove');
919   for (i = 0; i < removeCartButtons.length; i++) {
920     button = removeCartButtons[i];
921     button.addEventListener('click', removeCartItem);
922   }
923
924   //Quantity Changes
925   const quantityInputs = document.getElementsByClassName('cart-quantity');
926   for (i = 0; i < quantityInputs.length; i++) {
927     const input = quantityInputs[i];
928     input.addEventListener('change', quantityChanged);
929   }
930
931   //Add to Cart
932   const addCart = document.getElementsByClassName('add-cart');
933   for (i = 0; i < addCart.length; i++) {
934     button = addCart[i];
935     button.addEventListener('click', addCartClicked);
936   }
937
938   //Buy Button Work
939   document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
940
941   //Clear Cart Button Work
942   document.getElementsByClassName('btn-clear')[0].addEventListener('click', clearCartClicked);
943
944   // Buy Button
945   function buyButtonClicked() {
946     const cartItems = document.getElementsByClassName('cart-content')[0];
947
948     const cartHTML = [
949       `

Item 1: Product A (1)

`,
950       `

Item 2: Product B (2)

`,
951       `

Item 3: Product C (3)

`,
952       `

Item 4: Product D (4)

`,
953     ].join('');
954
955     cartItems.innerHTML = cartHTML;
956   }
957
958   // Clear Cart Clicked
959   function clearCartClicked() {
960     const cartItems = document.getElementsByClassName('cart-content')[0];
961
962     cartItems.innerHTML = '';
963   }
964
965   // Add to Cart Clicked
966   function addCartClicked() {
967     const cartItems = document.getElementsByClassName('cart-content')[0];
968
969     const cartHTML = [
970       `

Item 1: Product A (1)

`,
971       `

Item 2: Product B (2)

`,
972       `

Item 3: Product C (3)

`,
973       `

Item 4: Product D (4)

`,
974     ].join('');
975
976     cartItems.innerHTML = cartHTML;
977   }
978
979   // Quantity Change
980   function quantityChanged(event) {
981     const input = event.target;
982     const value = input.value;
983     const item = input.parentElement;
984     const title = item.querySelector('.item-title').innerText;
985     const price = item.querySelector('.item-price').innerText;
986     const quantity = item.querySelector('.item-quantity').innerText;
987
988     const cartItems = document.getElementsByClassName('cart-content')[0];
989
990     const cartHTML = [
991       `

Item 1: Product A (1)

`,
992       `

Item 2: Product B (2)

`,
993       `

Item 3: Product C (3)

`,
994       `

Item 4: Product D (4)

`,
995     ].join('');
996
997     cartItems.innerHTML = cartHTML;
998   }
999
1000 // Remove Item
1001 function removeCartItem(event) {
1002   const button = event.target;
1003   const item = button.parentElement;
1004
1005   item.remove();
1006 }
1007
1008 // Total Price
1009 function calculateTotalPrice() {
1010   const cartItems = document.getElementsByClassName('cart-content')[0];
1011
1012   const cartHTML = [
1013     `

Item 1: Product A (1)

`,
1014     `

Item 2: Product B (2)

`,
1015     `

Item 3: Product C (3)

`,
1016     `

Item 4: Product D (4)

`,
1017   ].join('');
1018
1019   cartItems.innerHTML = cartHTML;
1020 }
1021
1022 // Click Listener
1023 document.addEventListener('click', function(event) {
1024   const target = event.target;
1025
1026   if (target.classList.contains('cart-remove')) {
1027     removeCartItem(target);
1028   }
1029   else if (target.classList.contains('add-cart')) {
1030     addCartClicked(target);
1031   }
1032   else if (target.classList.contains('cart-quantity')) {
1033     quantityChanged(target);
1034   }
1035   else if (target.classList.contains('btn-buy')) {
1036     buyButtonClicked(target);
1037   }
1038   else if (target.classList.contains('btn-clear')) {
1039     clearCartClicked(target);
1040   }
1041 });
1042 }
1043
1044 // Ready Function
1045 function ready() {
1046   let i;
1047   let button;
1048
1049   //Remove Items From Cart
1050   const removeCartButtons = document.getElementsByClassName('cart-remove');
1051   for (i = 0; i < removeCartButtons.length; i++) {
1052     button = removeCartButtons[i];
1053     button.addEventListener('click', removeCartItem);
1054   }
1055
1056   //Quantity Changes
1057   const quantityInputs = document.getElementsByClassName('cart-quantity');
1058   for (i = 0; i < quantityInputs.length; i++) {
1059     const input = quantityInputs[i];
1060     input.addEventListener('change', quantityChanged);
1061   }
1062
1063   //Add to Cart
1064   const addCart = document.getElementsByClassName('add-cart');
1065   for (i = 0; i < addCart.length; i++) {
1066     button = addCart[i];
1067     button.addEventListener('click', addCartClicked);
1068   }
1069
1070   //Buy Button Work
1071   document.getElementsByClassName('btn-buy')[0].addEventListener('click', buyButtonClicked);
1072
1073   //Clear Cart Button Work
1074   document.getElementsByClassName('btn-clear')[0].addEventListener('click', clearCartClicked);
1075
1076   // Buy Button
1077   function buyButtonClicked() {
1078     const cartItems = document.getElementsByClassName('cart-content')[0];
1079
1080     const cartHTML = [
1081       `

Item 1: Product A (1)

`,
1082       `

Item 2: Product B (2)

`,
1083       `

Item 3: Product C (3)

`,
1084       `

Item 4: Product D (4)

`,
1085     ].join('');
1086
1087     cartItems.innerHTML = cartHTML;
1088   }
1089
1090   // Clear Cart Clicked
1091   function clearCartClicked() {
1092     const cartItems = document.getElementsByClassName('cart-content')[0];
1093
1094     cartItems.innerHTML = '';
1095   }
1096
1097   // Add to Cart Clicked
1098   function addCartClicked() {
1099     const cartItems = document.getElementsByClassName('cart-content')[0];
1100
1101     const cartHTML = [
1102       `

Item 1: Product A (1)

`,
1103       `

Item 2: Product B (2)

`,
1104       `

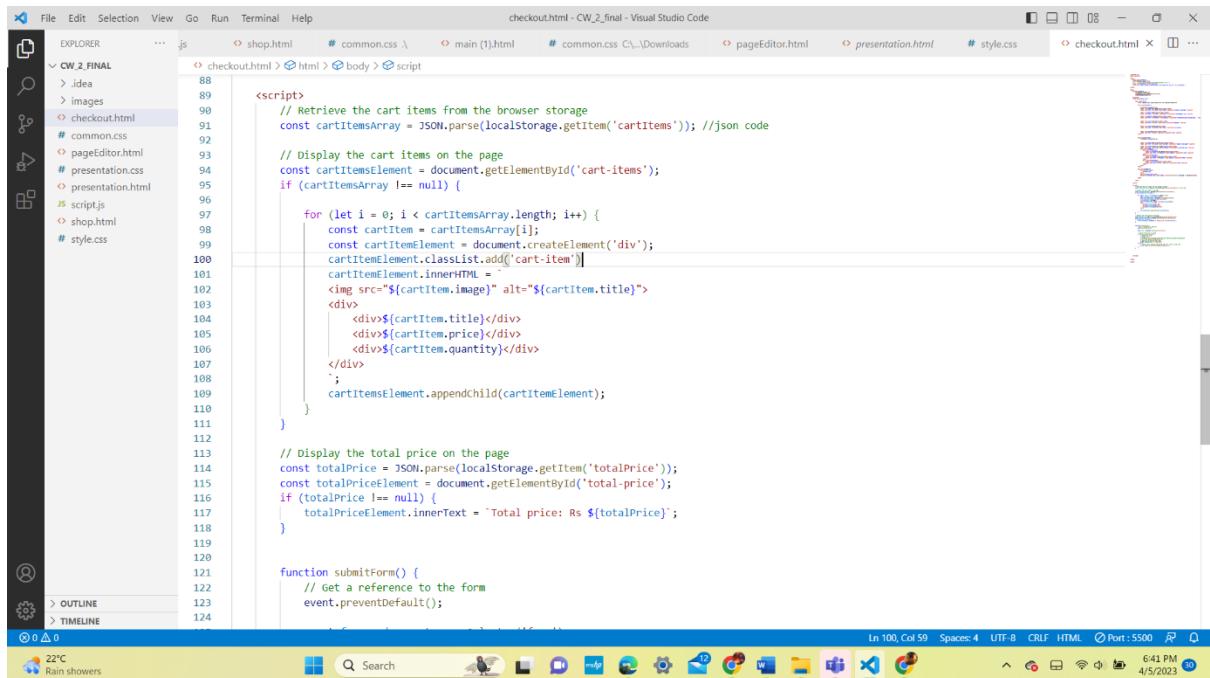
Item 3: Product C (3)

`,
1105       `

Item 4: Product D (4)

`,
1106     ].join('');
1107
1108     cartItems.innerHTML = cartHTML;
1109   }
1110
1111   // Quantity Change
1112   function quantityChanged(event) {
1113     const input = event.target;
1114     const value = input.value;
1115     const item = input.parentElement;
1116     const title = item.querySelector('.item-title').innerText;

```



```

File Edit Selection View Go Run Terminal Help
checkout.html - CW_2_final - Visual Studio Code
EXPLORER ... js shop.html # common.css \ main (1).html # common.css C:\Downloads pageEditor.html presentation.html # style.css checkout.html ...
checkout.html > html > body > script
<script>
    // Retrieve the cart items from the browser storage
    const cartItemsArray = JSON.parse(localStorage.getItem('cartItems')) //json code

    // Display the cart items on the page
    const cartItemsElement = document.getElementById('cart-items');
    if (cartItemsArray !== null) {

        for (let i = 0; i < cartItemsArray.length; i++) {
            const cartItem = cartItemsArray[i];
            const cartItemElement = document.createElement('div');
            cartItemElement.classList.add('cart-item')

            cartItemElement.innerHTML =
                
                <div>
                    <div>${cartItem.title}</div>
                    <div>${cartItem.price}</div>
                    <div>${cartItem.quantity}</div>
                </div>
            ;
            cartItemsElement.appendChild(cartItemElement);
        }
    }

    // Display the total price on the page
    const totalPrice = JSON.parse(localStorage.getItem('totalPrice'));
    const totalPriceElement = document.getElementById('total-price');
    if (totalPrice !== null) {
        totalPriceElement.innerText = 'Total price: Rs ${totalPrice}';
    }

    function submitForm() {
        // Get a reference to the form
        event.preventDefault();
    }

```

Ln 100, Col 59 Spaces: 4 UTF-8 CRLF HTML ⚡ Port: 5500 ⌂ 6:41 PM 4/5/2023

3. Page Editor Page

For this task, I created a separate html file with internal CSS styles added to it called "pageEditor.html". I have not used any java script to complete the task. The webpage has a title of "Editor's Page" and contains various headings, paragraphs, horizontal rules, and links to different pages. The style of the webpage is defined in the head section using CSS.

The CSS styling includes making the body of the webpage flexbox, aligning items at the centre, and giving a background colour. Paragraph tags have a large font size and a margin of 300px on the left and right. Anchor tags (links) are styled to have a background color, border-radius, and a margin of 50px on the top. The heading tags h3 have a font-size of 2rem.

The body section contains the content of the webpage, which includes different headings h1, h2, and h3, paragraphs p, horizontal rule hr, and links to different web pages. The h1 tag displays the heading "Page Editor," while h2 contains the details of the editor's name, role, and ID. The editor's edited web pages are listed in different h3 tags, followed by paragraphs describing the functionalities of each webpage.

The links to the different web pages are provided using anchor tags (a) and are set to open in a new tab using the target attribute "_blank". Each link provides a description of the functionality of the linked webpage. The first link directs to a presentation page, the second link to a shop page that allows adding products to the cart and checkout, and the third link to an extra content page that contains information about fencing rules. I have used " " – a non-breaking space character in html to create the correct indentation in editor details.

One of the challenges I faced was how to improve the indentation of the "editor-details" section. My initial thought was to use the "text-indent" property in CSS, but I wanted to learn more and find a better solution. I then came across the non-breaking space character " " which can be used in HTML and CSS to add spacing between text elements. By using multiple instances of " ", I was able to create consistent and visually pleasing indentation for the "editor-details" section. This experience taught me the importance of exploring different solutions and not settling for the first option that comes to mind. It also reinforced the idea that there is always something new to learn in web development, even for seemingly simple tasks.

4.Extra content page relevant to topic

The main content is divided into a container and a set of rows and columns. The container holds the main heading and a paragraph explaining the content, while the set of rows and columns

contain a list of rules with headings and paragraphs explaining each rule. Additionally, font awesome icons are used to style the navigation bar and provide social media icons.

```

<div class="set1-row">
  <div class="set1-col">
    <h3>En Garde</h3>
    <p class="set1-colP"> Fencers must start each bout in the en garde position, which involves standing with one foot in front of the other, knees slightly bent. This is the starting position for both fencers.
  </div>
  <div class="set1-col">
    <h3>Priority (Right of Way)</h3>
    <p class="set1-colP"> In fencing, the fencer who initiates the attack first is awarded the "right of way" and has priority to score a point. However, the fencer with priority must make a valid attack.
  </div>
  <div class="set1-col">
    <h3>Touches and Scoring</h3>
    <p class="set1-colP">Fencers score points by hitting their opponent with the tip or edge of their weapon. The target areas for scoring are different depending on the weapon type.
  </div>
</div>
</div>

<div class="set2" id="set2">
  <div class="set2-row">
    <div class="set2-col">
      <h3>On-Guard Distance</h3>
      <p class="set2-colP"> Fencers must maintain a safe distance from each other, known as on-guard distance, to avoid collisions and ensure fair play. The distance varies based on the weapon type.
    </div>
    <div class="set2-col">
      <h3>Penalties</h3>
      <p class="set2-colP">Fencers can receive penalties for various infractions, such as stepping off the strip, covering target areas with their non-weapon hand, or failing to maintain on-guard distance.
    </div>
    <div class="set2-col">
      <h3>Sportsmanship</h3>
      <p class="set2-colP">Fencers are expected to demonstrate good sportsmanship at all times, treating their opponents with respect and adhering to the rules of the sport.
    </div>
  </div>
</div>

```

5. Use of provided navigation bar (adapted)

I adapted the navigation bar using .dropDown{
 overflow-y: scroll;
 overflow-x: hidden;
}

Which means that when the navigation bar exceeds its vertical height due to the dropdown menu, a scrollbar will appear, allowing the user to scroll through the dropdown content.

```

# style.css > .dropdown
1
2
3 /*adapting the common.css */
4 .dropdown{
5   overflow-y: scroll;
6   overflow-x: hidden;
7 }
8
9 /*
10  *{
11    box-sizing: border-box;
12  }
13
14 h1{
15   font-size: 50px;
16   line-height: 64px;
17   color: #222;
18 }
19
20 h2{
21   font-size: 46px;
22   line-height: 54px;
23   color: #121212;
24 }
25
26 h4{
27   font-size: 46px;
28   color: #b6afaf;
29 }
30 .info h4{
31   color: #000;
32   z-index: 999;
33 }
34
35 h6{
36   font-weight: 700;
37 }

```

6.Addition CSS.

font-family:"open sans",'sans-serif'; and set various font sizes and colours for different elements such as h1, h2, h4, h6, and p. '*' selector applies to all html elements and sets their box-sizing property to border box. The padding and borders are included in the element's total width and height. The different selectors apply different styles to the corresponding HTML elements.

The main challenge was to overcome the problem of making the website responsive when the screen size gets smaller. For this I have used flex-wrap property in css. For instance to adjust the layout of different categories in the shop I created a container which has feature as the id and set the flex-wrap property to wrap.

A screenshot of the Visual Studio Code interface. The main area shows a CSS file named 'style.css' with code related to dropdown menus and feature boxes. The file browser on the left shows other files like 'script.js', 'shop.html', 'common.css', 'AdditionalContent.html', 'AdditionalContent.css', 'pageEditor.html', and 'checkout.html'. The bottom taskbar shows various icons for system tasks like search, file explorer, and terminal.

```

    /*Categories*/
    .fe-box img {
        width: 100%;
        height: 100%;
        object-fit: cover;
        object-position: center;
    }

    #feature{
        display: flex;
        align-items: center;
        flex-wrap: wrap;
    }

    #feature.fe-box img{
        width: 100%;
        margin-bottom: 10px;
    }

    #feature .fe-box{
        width: 180px;
        height: 180px;
        text-align: center;
        padding: 25px 15px;
        box-shadow: 20px 20px 34px rgba(0,0,0,0.03) ;
        border: 1px solid #cce7d8;
        border-radius: 4px;
        margin-top: 30px;
        margin-left: 30px;
        margin-bottom: 30px;
        margin-right: 30px;
    }

```

1. Webpage Validation Statement

Briefly state which three of your web pages validated without errors. Put the screen shots of the validation results in Appendix C.

1.presentation.html

2. shop.html

3.pageEditor.html

2. Janet

My social affair and I can make sure that we have complied with the Janet requirements and that our page did not use any illegal tactics by segregating our website from the regulations. Also, specific material was chosen so that it wouldn't interfere with or detract from other students' work, and our website doesn't contain any defamatory images or illegal data.

References

<https://www.w3schools.com/>

<https://youtu.be/18Jvyp60Vbg>

<https://www.freecodecamp.org/news/html-css-and-javascript-explained-for-beginners/>

Lecture notes week-2- week10

Appendices

Appendix A: Code

Provide a full listing of your files, with well indented and commented code in the following format:

- Filename
- Code

1.Presentation.html

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

<head>

    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Presentation Page</title> <!--Css links-->
    <link rel="stylesheet" href="presentation.css">

</head>

<body>
    
    <div id="title">
        <h1>4COSC011C.3 Web Design and Development</h1>
        <h1>Group Coursework</h1>
    </div>
    <h1>Team P-7</h1>
    <div id="member-list">
        <div class="member">
            Student 1 <br><br>
            Amadee Ranasinghe <br><br>
            <span class="uow-id">W1954061 </span>
            <br><br>
        </div>
    </div>
</body>
```

```

        <span class="iit-id">20221238 </span>
    </div>

    <div class="member">
        Student 2 <br><br>
        Devhan Dodamphala <br><br>
        <span class="uow-id">W1951126 </span>
        <br><br>
        <span class="iit-id">20221394 </span>
    </div>

    <div class="member">
        Student 3 <br><br>
        Imasha Udayangi<br><br>
        <span class="uow-id">W1956115 </span>
        <br><br>
        <span class="iit-id">20221357 </span>
    </div>

    <div class="member">
        Student 4 <br><br>
        Ranujitha Sugathadasa<br><br>
        <span class="uow-id">W1956115</span>
        <br><br>
        <span class="iit-id">20221357</span>
    </div>

</div>

<script>
    setTimeout(function () { //built in function which allows to execute
        a function after a specified amount of time
        window.location.href = "shop.html";
    }, 4000); //the time should be used in milliesecond
</script>

</body>

</html>

```

2.shop.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Shop page</title>

```

```

<!--Css links-->
<link rel="stylesheet" href="style.css">
<link rel="stylesheet" href="common.css">

<!--Icons links-->
<link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css'
rel='stylesheet'>    <!--Full cart bar icon-->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css" integrity="sha512-
iecdLmaskl7CVkqkXNQ/ZH/XLlvWZOJyj7Yy7tcenmpD1ypASozpmT/E0iPtmFIB46ZmdtAc9eNBvH
0H/ZpiBw==" crossorigin="anonymous">

</head>
<body>

<nav class="nav">
    <div class="navbar">
        <div class="logo"></div>
        <div class="box">
            <ul class="link">
                <li><a href="#" >Home</a></li>
                <li><a href="shop.html" class="active" aria-
current="page">Shop</a></li>
                <li><a href="#" >Quiz</a></li>
                <li><a href="#" >Site Map</a></li>
                <li><a href="test1.html" >Comment</a></li>
                <li><a href="#" >About us</a></li>
                <li><a href="explore.html" >Explore</a></li>
                <li><a href="#">Gallery</a></li>
            </ul>
        </div>
        <form>
            <div class="input"> <input type="search" placeholder="search...">
            <button type="submit"><i class="fas fa-
search" ></i></button></div>
        </form>
        <div class="tog">
            <i class="fa-solid fa-bars">
            </i>
        </div>
    </div>
    <div class="dropDown ">
        <ul>
            <li><a href="#">Home</a></li>

```

```

        <li><a href="shop.html" class="active" aria-
current="page">Shop</a></li>
        <li><a href="#">Quiz</a></li>
        <li><a href="#">Site Map</a></li>
        <li><a href="#">Comment</a></li>
        <li><a href="#">About us</a></li>
        <li><a href="explore.html" >Explore</a></li>
        <li><a href="#">Gallery</a></li>
    </ul>
    <ul class="social ">
        <li><a href="#"><i class="fa-brands fa-facebook" aria-
hidden="true"></i></a></li>
        <li><a href="#"><i class="fa-brands fa-instagram"></i></a></li>
        <li><a href="#"><i class="fab fa-twitter"></i></a></li>
        <li><a href="#"><i class="fab fa-youtube"></i></a></li>
    </ul>
    <form>
        <div class="in"> <input type="search" placeholder="search...">
            <button type="submit"><i class="fas fa-
search" ></i></button></div>
    </form>

</div>
</nav>

<section class="cart-section">

    <!--cart icon in the full cart bar-->
    <div>
        <i class="bx bx-cart" id="cart-icon"> 0 items</i>
    </div>
    <!--cart-->
    <div class="cart">
        <h2 class="cart-title">My Cart</h2>
        <!--content code is in java script-->
        <div class="cart-content">

        </div>
        <!--Clear Cart-->
        <button type="button" class="btn-clear">Clear Cart</button>
        <!--Total-->
        <div class="total">
            <div class="total-title">Total</div>
            <div class="total-price">Rs0</div>
        </div>
    </div>

```

```
<!--Buy Button-->
<button type="button" class="btn-buy">Buy Now</button>
<!--Cart Close-->
<i class="bx bx-x" id="close-cart"></i>
</div>

</section>

<section id="top">
  <h2>Find everything you need to<br>unleash your inner athlete </h2>
  <p>#StayHome#StaySafe</p>

</section>
<div id="feature" class="section-p1"><!--Categories-->
  <div class="fe-box">          <!--Category 1 shoes-->
    
    <button id="shoes">Shoes & Socks</button>
  </div>

  <div class="fe-box">          <!--Category 2 costumes-->
    
    <button id="costumes">Costumes</button>

  </div>

  <div class="fe-box">          <!--Category 3 weapons-->
    
    <button id="weapons">Weapons</button>

  </div>

  <div class="fe-box">          <!--Category 4 bags-->
    
    <button id="bags">Bags</button>

  </div>

  <div class="fe-box">          <!--Category 5 masks-->
    
    <button id="masks">Masks</button>

  </div>
<!--Shop-->
```

```

<div class="shop container">
    <!--Shop content-->
    <div class="shop-content">
        <div id="product1">

            <div id="shoesCategory" class="category"> <!--Category 1 shoes product
details-->
                <section class="section-p1">
                    <div class="pro-container">
                        <div class="product-box">
                            <div class="pro">
                                
                                <div class="des">
                                    <span>Nike</span>
                                    <h5 class="product-title">COLORED FENCING SOCKS</h5>
                                    <div class="star">
                                        <i class="fas fa-star"></i>
                                        <i class="fas fa-star"></i>
                                        <i class="fas fa-star"></i>
                                        <i class="fas fa-star"></i>
                                        <i class="fas fa-star"></i>
                                    </div>
                                    <h4 class="price">Rs12000</h4>
                                </div>
                                <button class="add-cart">Add Cart</button>
                            </div>
                        </div>
                    </div>
                </section>
            <div class="product-box">
                <div class="pro">
                    
                    <div class="des">
                        <span>Nike</span>
                        <h5 class="product-title">WHITE FENCING SOCKS</h5>
                        <div class="star">
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                        </div>
                        <h4 class="price">Rs18000</h4>
                    </div>
                    <button class="add-cart">Add Cart</button>
                </div>
            </div>
        </div>
    </div>
</div>

```

```
</div>

<div class="product-box">
  <div class="pro">
    
    <div class="des">
      <span>Nike</span>
      <h5 class="product-title">HI-TECH RAZOR SHOE</h5>
      <div class="star">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
      </div>
      <h4 class="price">Rs10000</h4>
    </div>
    <button class="add-cart">Add Cart</button>
  </div>
</div>

<div class="product-box">
  <div class="pro">
    
    <div class="des">
      <span>Nike</span>
      <h5 class="product-title">BALLESTRA WHITEGOLD</h5>
      <div class="star">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
      </div>
      <h4 class="price">Rs7500</h4>
    </div>
    <button class="add-cart">Add Cart</button>
  </div>
</div>

</div>
```

```
</section>

</div>

<div id="costumesCategory" class="category"><!--Category 2 costumes
product details-->
    <section class="section-p1">
        <div class="pro-container">
            <div class="product-box">
                <div class="pro">
                    
                    <div class="des">
                        <span>Leon Paul</span>
                        <h5 class="product-title">APEX FIE MENS BREECHE</h5>
                        <div class="star">
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                        </div>
                        <h4 class="price">Rs12000</h4>
                    </div>
                    <button class="add-cart">Add Cart</button>
                </div>
            </div>
        </div>

        <div class="product-box">
            <div class="pro">
                
                <div class="des">
                    <span>Leon Paul</span>
                    <h5 class="product-title">APEX FIE MENS JACKET</h5>
                    <div class="star">
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                    </div>
                    <h4 class="price">Rs18000</h4>
                </div>
                <button class="add-cart">Add Cart</button>
            </div>
        </div>
    </section>
</div>
```

```

<div class="product-box">
    <div class="pro">
        
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title">APEX FIE WOMENS BREECHES</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs10000</h4>
        </div>
        <button class="add-cart">Add Cart</button>
    </div>
</div>

<div class="product-box">
    <div class="pro">
        
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title"> APEX FIE WOMENS JACKET</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs7500</h4>
        </div>
        <button class="add-cart">Add Cart</button>
    </div>
</div>

</div>

</section>

</div>

```

```
<div id="weaponsCategory" class="category"><!--Category 3 weapons product details-->
    <section class="section-p1">
        <div class="pro-container">
            <div class="product-box">
                <div class="pro">
                    
                    <div class="des">
                        <span>Leon Paul</span>
                        <h5 class="product-title">FOIL CREATOR</h5>
                        <div class="star">
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                            <i class="fas fa-star"></i>
                        </div>
                        <h4 class="price">Rs20000</h4>
                    </div>
                    <button class="add-cart">Add Cart</button>
                </div>
            </div>
        </div>
        <div class="product-box">
            <div class="pro">
                
                <div class="des">
                    <span>Leon Paul</span>
                    <h5 class="product-title">PROJECT ZERO EPEE</h5>
                    <div class="star">
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                        <i class="fas fa-star"></i>
                    </div>
                    <h4 class="price">Rs7500</h4>
                </div>
                <button class="add-cart">Add Cart</button>
            </div>
        </div>
        <div class="product-box">
            <div class="pro">
```

```

        
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title">CUSTOM SABRE CREATOR</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs40000</h4>
        </div>
        <button class="add-cart">Add Cart</button>
    </div>
</div>

<div class="product-box">
    <div class="pro">
        
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title">PROJECT ZERO FOIL</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs24000</h4>
        </div>
        <button class="add-cart">Add Cart</button>
    </div>
</div>

</div>

</section>

</div>

<div id="bagsCategory" class="category"><!--Category 4 bags product
details-->
    <section class="section-p1">

```

```
<div class="pro-container">
  <div class="product-box">
    <div class="pro">
      
      <div class="des">
        <span>Leon Paul</span>
        <h5 class="product-title">THE FREEROLLER BAG</h5>
        <div class="star">
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
        </div>
        <h4 class="price">Rs20000</h4>
      </div>
      <button class="add-cart">Add Cart</button>
    </div>
  </div>

  <div class="product-box">
    <div class="pro">
      
      <div class="des">
        <span>Leon Paul</span>
        <h5 class="product-title">THE TEAM BAG</h5>
        <div class="star">
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
        </div>
        <h4 class="price">Rs20000</h4>
      </div>
      <button class="add-cart">Add Cart</button>
    </div>
  </div>

  <div class="product-box">
    <div class="pro">
      
      <div class="des">
        <span>Leon Paul</span>
        <h5 class="product-title">THE APEX BAG</h5>
        <div class="star">
          <i class="fas fa-star"></i>
```

```

        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
    </div>
    <h4 class="price">Rs10000</h4>
</div>
<button class="add-cart">Add Cart</button>
</div>
</div>

<div class="product-box">
    <div class="pro">
        
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title">THE CLASSIC TEAM BAG</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs25000</h4>
        </div>
        <button class="add-cart">Add Cart</button>
        </div>
    </div>
</div>

</section>

</div>

<div id="masksCategory" class="category"><!--Category 5 masks product details-->
    <section class="section-p1">
        <div class="pro-container">
            <div class="product-box">
                <div class="pro">
                    
                    <div class="des">
                        <span>Leon Paul</span>
                        <h5 class="product-title">ARENA CONTOUR EPEE MASK</h5>
                        <div class="star">
                            <i class="fas fa-star"></i>

```

```

        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
    </div>
    <h4 class="price">Rs24000</h4>
</div>
<button class="add-cart">Add Cart</button>
</div>
</div>

<div class="product-box">
    <div class="pro">
        
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title">TRADITIONAL SABRE MASK</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs75000</h4>
        </div>
        <button class="add-cart">Add Cart</button>
        </div>
    </div>
</div>

<div class="product-box">
    <div class="pro">
        
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title">FIE CONTOUR SABRE MASK</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs20000</h4>
        </div>
        <button class="add-cart">Add Cart</button>
    </div>
</div>

```

```

        </div>
    </div>

    <div class="product-box">
        <div class="pro">
            
        <div class="des">
            <span>Leon Paul</span>
            <h5 class="product-title">FIE CONTOUR FOIL MASK</h5>
            <div class="star">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
            <h4 class="price">Rs75000</h4>
        </div>
        <button class="add-cart">Add Cart</button>
    </div>
</div>

        </div>
    </section>
</div>

        </div>
    </div>
</div>

<footer>
    <div class="rowF">
        <div class="colF">
            
            <p>Come join us and unleash your inner athlete.</p>
        </div>
        <div class="colF">
            <h3>Office<div class="underline"><span></span></div></h3>
            <p>GP square</p>
            <p>baudhaloka mawatha</p>
            <p>kollpiti</p>
            <p class="email-id"><a href="mailto:engardefen@gmail.com">engardefen@gmail.com</a> </p>

```

```

</div>
<div class="colF">
    <h3>Links<div class="underline"><span></span></div></h3>
    <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Shop</a></li>
        <li><a href="#">Quiz</a></li>
        <li><a href="#">Comment</a></li>
        <li><a href="#">About us</a></li>
    </ul>
</div>
<div class="colF">
    <h3>Page Editor <div class="underline"><span></span></div></h3>
    <p>Editor:-<span><a href="pageEditor.html">Amadee
Ranasinghe</a></span></p>

    <div class="social-f">
        <ul>
            <li><a href="#"><i class="fa-brands fa-facebook" aria-
hidden="true"></i></a></li>
            <li><a href="#"><i class="fa-brands fa-
instagram"></i></a></li>
            <li><a href="#"><i class="fab fa-twitter"></i></a></li>
            <li><a href="#"><i class="fab fa-youtube"></i></a></li>
        </ul>
    </div>
</div>
<div class="colF">

    <button onclick="topFunction()" href="shop.html" id="back-to-top"
title="Go to top">BACK TO TOP</button>

</div>

</div>
<hr>
<p class="copy-rights">Engard Fencer © 2023-All rights reseverd</p>
</footer>

<!--link to js-->
<script src="script.js"></script>
</body>

</html>

```

checkout.html

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

<head>
    <meta charset="UTF-8">
    <title>Checkout page</title>
    <!--    <link rel="stylesheet" href="ExternalStyle.css">-->
    <link rel="stylesheet" href="style.css">
    <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css'
rel='stylesheet'>

</head>

<body>
    <section id="top">
        <h4>ENGARDE FENCERS</h4>
        <h2>Thank you for shopping with us!</h2>
        <p>#StayHome#StaySafe</p>

    </section>
    <form id="checkout-form">

        <div class="info">
            <h4>To complete your order please fill the required fields</h4>

            <div class="personal">

                <h3>Personal Infomation</h3>
                <label for="fname">Full Name<span>*</span></label>
                <input type="text" id="fname" name="fname" placeholder="amadee
ranasinghe" required>

                <label for="email">Email<span>*</span></label>
                <input type="email" id="email" name="email"
placeholder="amadee@gmail.com" required>

            </div>
        </div>
    </form>
</body>
```

```

        <label for="address">Address<span>*</span></label>
        <input type="text" id="address" name="address"
placeholder="34/B,Pepiliyana rd,Pepiliyana. " required>

        <label for="city">City<span>*</span></label>
        <input type="text" id="city" name="city"
placeholder="Nugegoda" required>

        <label for="state">State(Country)</label>
        <input type="text" id="state" name="state"
placeholder="srilanka">

        <label for="zip">Zip<span>*</span></label>
        <input type="text" id="zip" name="zip" placeholder="zip"
required>
    </div>

    <div class="billing">
        <h3>Payment information</h3>

        <label for="cname">Name on Card<span>*</span></label>
        <input type="text" id="cname" name="cardname"
placeholder="amadee ranasinghe" required>

        <label for="ccnum">Credit card number<span>*</span></label>
        <input type="text" id="ccnum" name="cardnumber"
placeholder="1234-5678-9123" required>
        <div class="flexRow">
            <div class="flexColumn">
                <label for="expmonth">Exp Month<span>*</span></label>
                <input type="text" id="expmonth" name="expmonth"
placeholder="July" required>
            </div>
            <div class="flexColumn">
                <label for="expyear">Exp Year<span>*</span></label>
                <input type="text" id="expyear" name="expyear"
placeholder="2023" required>
            </div>
            <div class="flexColumn">
                <label for="cvv">CVV<span>*</span></label>
                <input type="text" id="cvv" name="cvv"
placeholder="1234" required>
            </div>
        </div>
    </div>

```

```

        </div>
    </div>

    <div class="addCart">
        <div id="cart-items">
            <h3>Cart</h3>
        </div>
        <div id="total-price"></div>
        <button id="checkout-btn" type="submit"
    onclick="submitForm()">proceed to checkout</button>
    </div>
</div>

</form>

<script>
    // Retrieve the cart items from the browser storage
    const cartItemsArray = JSON.parse(localStorage.getItem('cartItems'));
//json code

    // Display the cart items on the page
    const cartItemsElement = document.getElementById('cart-items');
    if (cartItemsArray !== null) {

        for (let i = 0; i < cartItemsArray.length; i++) {
            const cartItem = cartItemsArray[i];
            const cartItemElement = document.createElement('div');
            cartItemElement.classList.add('cart-item')
            cartItemElement.innerHTML = `
                
                <div>${cartItem.title}</div>
                <div>${cartItem.price}</div>
                <div>${cartItem.quantity}</div>
            `;
            cartItemsElement.appendChild(cartItemElement);
        }
    }

    // Display the total price on the page
    const totalPrice = JSON.parse(localStorage.getItem('totalPrice'));
    const totalPriceElement = document.getElementById('total-price');
    if (totalPrice !== null) {
        totalPriceElement.innerText = `Total price: Rs ${totalPrice}`;
    }

```

```

        function submitForm() {
            // Get a reference to the form
            event.preventDefault();

            const form = document.querySelector('form');

            // Check if the form is valid
            if (form.checkValidity()) {
                // Submit the form
                form.submit();
                // Prompt an alert message indicating the order was placed
                successfully
                alert('Order placed successfully!');
                // Redirect to the home.html page
                window.location.href = "shop.html";
            } else {
                // Show an alert message indicating there are errors on the
                form
                alert('Please fill all the fields correctly.');
            }
        }

    </script>

</body>

</html>

3.pageEditor.html

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">

        <title>Editor's Page</title>

        <style>

```

```
body{  
    display: flex;  
    justify-content: center;  
    flex-wrap: wrap;  
    text-align: center;  
    flex-direction: column;  
    background-color: #f97eeeca6;  
}  
  
p{  
    font-size: large;  
    margin-left: 300px;  
    margin-right: 300px;  
}  
  
hr{  
    width: 50%;  
}  
  
a{  
    display: inline-block;  
    padding: 2px 4px;  
    background-color: #2d1b2a;  
    color: white;  
    border-radius: 5%;  
    font-size: 1rem;  
    margin-top: 50px;  
}  
  
h3{  
    font-size: 2rem;  
}  
  
</style>  
  
</head>  
  
<body>  
  
<h1>Page Editor</h1>  
  
<hr>
```

```
<h3>Presentation Page</h3>
<p>
    Created a presentation page with basic html, css and
    javascript.<br>
    I have used javascript to directs the webpage to the
    "shop.html"<br>
    page after four seconds, using the built-in function
    setTimeout.<br>
    <a href="presentation.html" target="_blank">Link to Presentation
    Page</a><br>    <!--Open the link in a new tab cuz of the target attribute has
    _blank -->
    </p>
    <hr>
```

```
<h3>Shop Page</h3>
<p>
    Created the shop using html, css, javascript and json(javascript
object notation).<br>
    This features images of different products, and I added hover
effect to display<br>
    product details and product categories. Checkout form was created
in a separate<br>
    html file called "checkout.html." I have used user defined
function, arrays, for<br>
    loops in the javascript to create the functionalities of add to
cart and checkout.<br>
    <a href="shop.html" target="_blank">Link to Shop Page</a><br>
</p>
<hr>
```

```
<h3>Extra Content Page</h3>
<p>
    The extra content page was created only using html and css. I
    added 4 main rules<hr>
```

in fencing using different div tags and styled those using the same class with css


```
<a href="rules.html" target="_blank">Link to Extra Content
Page</a><br>
</p>
</body>
</html>
```

4.additionalContent.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="AdditionalContent.css " >
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css" integrity="sha512-iecdLmaskl7CVkqkXNQ/ZH/XLlvWZOJyj7Yy7tcenmpD1ypASozpmT/E0iPtmFIB46ZmdtAc9eNBvH0H/ZpiBw==" crossorigin="anonymous" referrerPolicy="no-referrer" />

</head>
<a href="main.html">
    <>
</a>

<body>
    <nav class="nav">
        <div class="navbar">
            <div class="logo"></div>
            <div class="box">
                <ul class="link">
                    <li><a href="#">Home</a></li>
                    <li><a href="#">Shop</a></li>
                    <li><a href="#">Quiz</a></li>
                    <li><a href="#">Site Map</a></li>
                    <li><a href="#">Comment</a></li>
                    <li><a href="#">About us</a></li>
                </ul>
            </div>
            <form>
```

```

        <div class="input"> <input type="search"
placeholder="search...">
            <button type="submit"><i class="fas fa-
search" ></i></button></div>
        </form>
        <div class="tog">
            <i class="fa-solid fa-bars">

            </i>
        </div>

    </div>
    <div class="dropDown ">

        <li><a href="#">Home</a></li>
        <li><a href="#">Shop</a></li>
        <li><a href="#">Quiz</a></li>
        <li><a href="#">Site Map</a></li>
        <li><a href="#">Comment</a></li>
        <li><a href="#">About us</a></li>
        <ul class="social ">
            <li><a href="#"><i class="fa-brands fa-facebook" aria-
hidden="true"></i></a></li>
            <li><a href="#"><i class="fa-brands fa-
instagram"></i></a></li>
                <li><a href="#"><i class="fab fa-twitter"></i></a></li>
                <li><a href="#"><i class="fab fa-youtube"></i></a></li>

        </ul>
        <form>
            <div class="in"> <input type="search"
placeholder="search..." />
                <button type="submit"><i class="fas fa-
search" ></i></button></div>
            </form>
            

    </div>
</nav>
```

```
<div class="container">
    <div class="row">
        <div class="col">
            <h1 class="mainH1">Rules</h1>
            <p class="mainP">
                Fencing competitions are regulated by a set of rules that
                are designed to ensure the safety of the fencers, maintain fair play, and
                establish a standard for scoring.
            </p>
        </div>
    </div>

    </div>

    <div class="set1" id="set1">

        <div class="set1-row">
            <div class="set1-col">
                <h3> En Garde</h3>
                <p class="set1-colP"> Fencers must start each bout in the en
                garde position, which involves standing with one foot in front of the other,
                knees slightly bent, with the weapon held in a ready position. Fencers must
                maintain this position throughout the bout and be ready to move and attack at
                any moment.</p>
            </div>
            <div class="set1-col">
                <h3>Priority (Right of Way)</h3>
                <p class="set1-colP"> In fencing, the fencer who initiates the
                attack first is awarded the "right of way" and has priority to score a point.
                However, the opponent has the opportunity to counterattack and take over the
                right of way. This rule encourages strategic timing and precision in attacks
                and defenses.</p>
            </div>
            <div class="set1-col">
                <h3>Touches and Scoring</h3>
                <p class="set1-colP">Fencers score points by hitting their
                opponent with the tip or edge of their weapon. The target areas for scoring
                are different depending on the weapon used (foil, épée, or sabre). Touches are
            </div>
        </div>
    </div>

```

counted electronically, and the first fencer to reach a certain number of points (e.g., 15 points in foil and sabre) wins the bout. </p>

</div>

</div>

</div>

<div class="set2" id="set2">

<div class="set2-row">

<div class="set2-col">

<h3> On-Guard Distance</h3>

Fencers must maintain a safe distance from each other, known as on-guard distance, to avoid collisions and ensure fair play. The distance varies depending on the weapon used and the fencers' skill level, and it is important to constantly adjust and control this distance during the bout.

</p>

</div>

<div class="set2-col">

<h3> Penalties</h3>

Fencers can receive penalties for various infractions, such as stepping off the strip, covering target areas with their non-weapon hand, or showing unsportsmanlike behavior. Penalties can result in points being awarded to the opponent or even disqualification from the bout.</p>

</div>

<div class="set2-col">

<h3> Sportsmanship</h3>

Fencers are expected to demonstrate good sportsmanship at all times, treating their opponents with respect and adhering to the rules of fair play. This includes shaking hands before and after the bout, accepting defeat graciously, and showing respect for the decisions of the referee.</p>

</div>

</div>

</div>

<footer>

<div class="rowF">

<div class="colF">


```

<p>Come join us and unleash your inner athlete.
</p>

</div>
<div class="colF">
    <h3>Office<div class="underline"><span></span></div></h3>
    <p>GP square</p>
    <p>baudhaloka mawatha</p>
    <p>kollpiti</p>
    <p class="email-id">engardefen@gmail.com</p>

</div>
<div class="colF">
    <h3>Links<div class="underline"><span></span></div></h3>
    <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Shop</a></li>
        <li><a href="#">Quiz</a></li>
        <li><a href="#">Comment</a></li>
        <li><a href="#">About us</a></li>
    </ul>
</div>
<div class="colF">
    <h3>Page Editor <div
class="underline"><span></span></div></h3>
    <p>Editor:-<span>name</span></p>

    <div class="social-f">
        <ul>
            <li><a href="#"><i class="fa-brands fa-facebook" aria-
hidden="true"></i></a></li>
            <li><a href="#"><i class="fa-brands fa-
instagram"></i></a></li>
            <li><a href="#"><i class="fab fa-
twitter"></i></a></li>
            <li><a href="#"><i class="fab fa-
youtube"></i></a></li>
        </ul>
    </div>
<div class="colF">

    <button onclick="topFunction()" href="main.html" id="back-to-
top" title="Go to top">BACK TO TOP</button>

</div>

```

```

</div>
<hr>
<p class="copy-rights">Engard Fencer © 2023-All rights reserved</p>
</footer>

<script>
    const navbar=document.querySelector('.nav')
    const togBtn = document.querySelector('.tog')
    const togBtnIcon = document.querySelector('.tog i')
    const dropDownMenu = document.querySelector('.dropDown')

    window.addEventListener('scroll',()=>{
        if(this.scrollY>=100){
            navbar.classList.add('scrolled')
        }else{
            navbar.classList.remove('scrolled')
        }
    })
}

togBtn.onclick=function(){
    dropDownMenu.classList.toggle('open')

    const isOpen=dropDownMenu.classList.contains('open')

    togBtnIcon.classList= isOpen
    ? 'fa-solid fa-xmark'
    :'fa-solid fa-bars'

}

let mybutton = document.getElementById("myBtn");

// When the user scrolls down 20px from the top of the document,
show the button
window.onscroll = function() {scrollFunction()};

function scrollFunction() {
    if (document.body.scrollTop > 20 ||
document.documentElement.scrollTop > 20) {
        mybutton.style.display = "block";
    } else {
        mybutton.style.display = "none";
    }
}

```

```

        }
    }

    // When the user clicks on the button, scroll to the top of the
document
    function topFunction() {
        document.body.scrollTop = 0; // For Safari
        document.documentElement.scrollTop = 0; // For Chrome, Firefox, IE
and Opera
    }
</script>
</body>
</html>

```

Appendix B: Screenshots

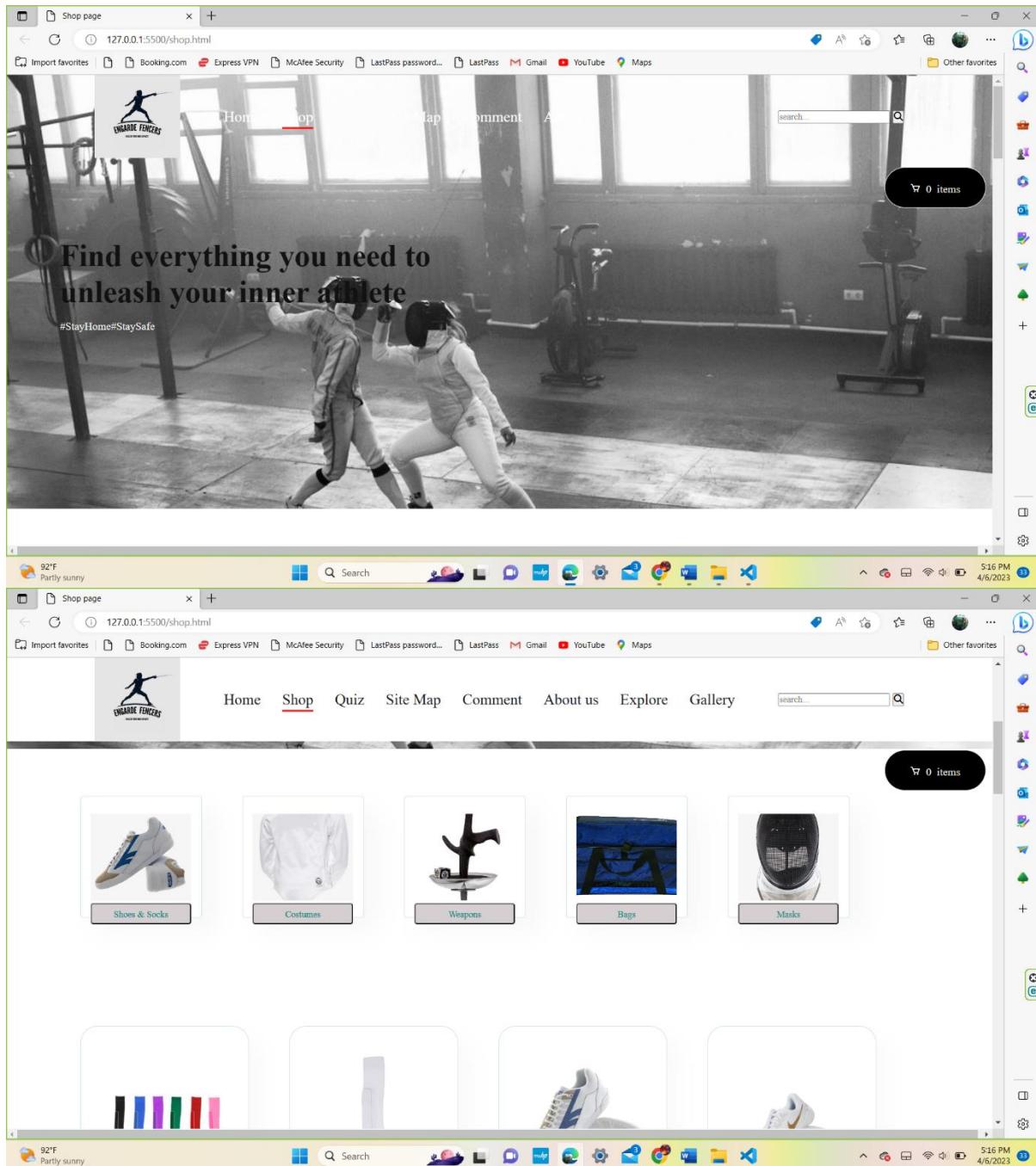
Provide a screenshot of all your web pages, in the following format:

- Filename
- Screenshot(s)

1.presentation.html



2.shop.html



The screenshot shows a web browser window with a shop page for "EPEE FENCERS". The page features a navigation bar with links to Home, Shop, Quiz, Site Map, Comment, About us, Explore, and Gallery. A search bar is also present. The main content area displays four products in a grid:

- FOIL CREATOR** by Leon Paul. Price: Rs20000. Rating: ★★★★☆.
- PROJECT ZERO EPEE** by Leon Paul. Price: Rs7500. Rating: ★★★★☆.
- CUSTOM SABRE CREATOR** by Leon Paul. Price: Rs40000. Rating: ★★★★☆.
- PROJECT ZERO FOIL** by Leon Paul. Price: Rs24000. Rating: ★★★★☆.

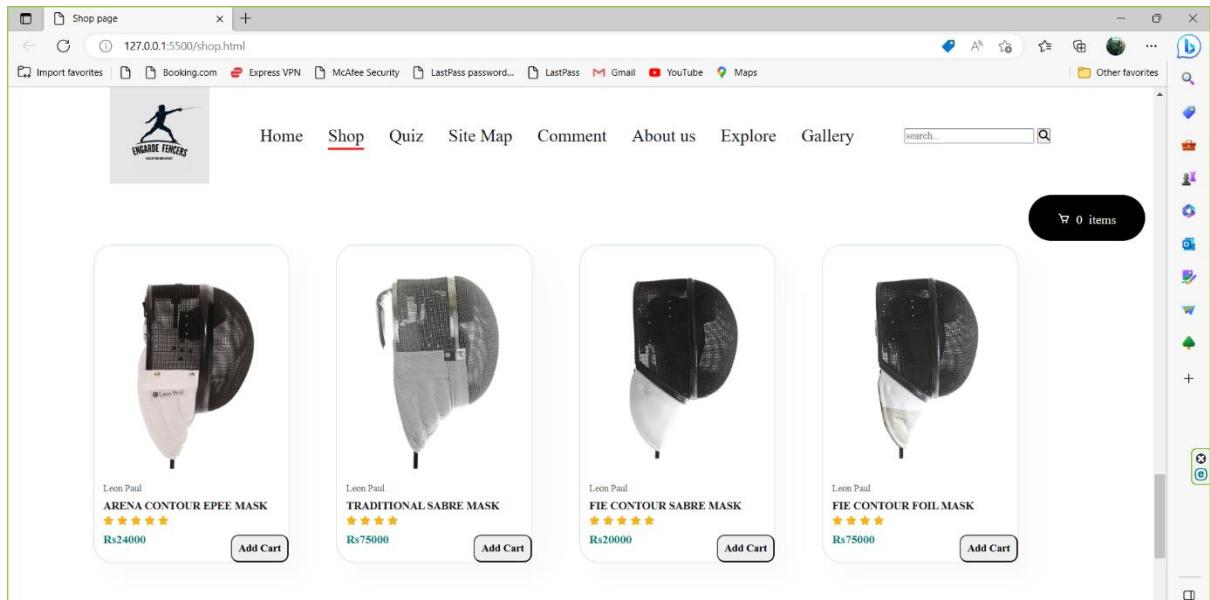
Each product listing includes an "Add Cart" button. A black button in the top right corner indicates "0 items" in the cart. The browser's address bar shows the URL: 127.0.0.1:5500/shop.html.

The screenshot shows a second web browser window with a shop page for "Epee Fencers". The layout is similar to the first one, with a navigation bar and a search bar. The main content area displays four products in a grid:

- THE FREEROLLER BAG** by Leon Paul. Price: Rs20000. Rating: ★★★★☆.
- THE TEAM BAG** by Leon Paul. Price: Rs20000. Rating: ★★★★☆.
- THE APEX BAG** by Leon Paul. Price: Rs10000. Rating: ★★★★☆.
- THE CLASSIC TEAM BAG** by Leon Paul. Price: Rs25000. Rating: ★★★★☆.

Each product listing includes an "Add Cart" button. A black button in the top right corner indicates "0 items" in the cart. The browser's address bar shows the URL: 127.0.0.1:5500/shop.html.

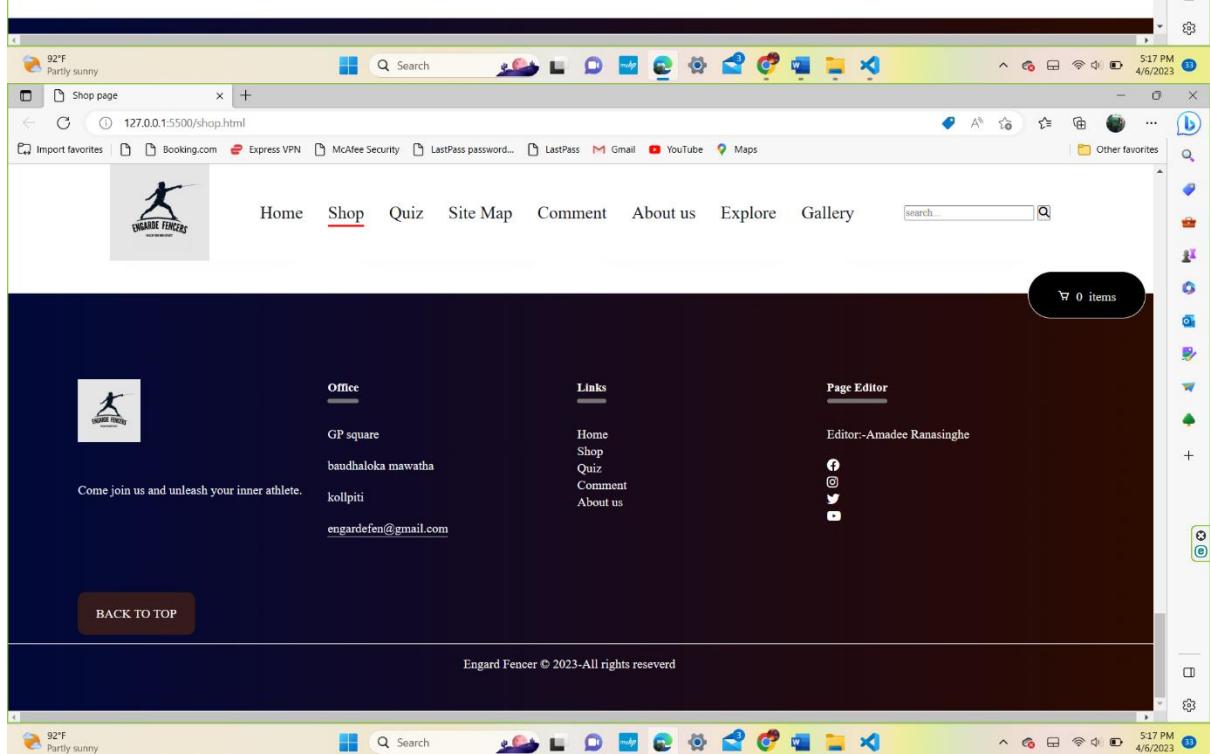
The screenshot shows a third web browser window with a shop page for "Epee Fencers". The layout is identical to the previous ones, displaying the same four products and their details. The browser's address bar shows the URL: 127.0.0.1:5500/shop.html.



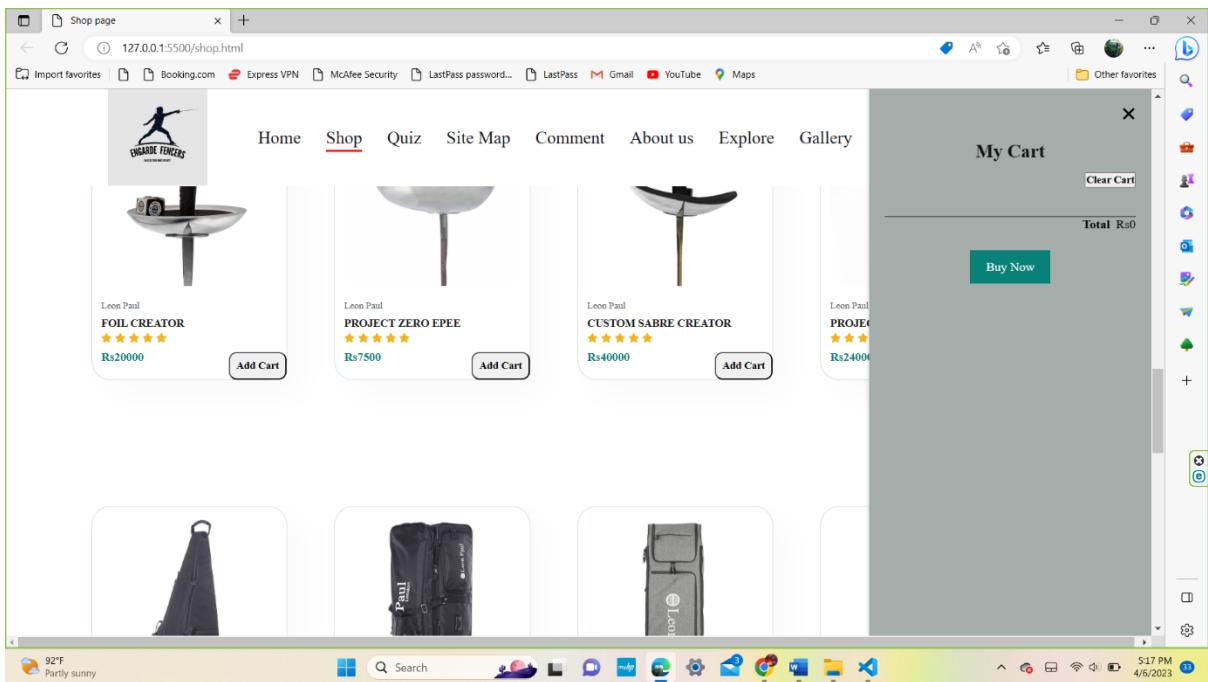
The screenshot shows the 'Shop page' of the Engard Fencer website. The top navigation bar includes links for Home, Shop, Quiz, Site Map, Comment, About us, Explore, and Gallery. A search bar and a cart icon (0 items) are also present. Below the navigation, there are four product cards for different types of fencing masks:

- ARENA CONTOUR EPEE MASK** by Leon Paul, priced at Rs24000, with a 5-star rating.
- TRADITIONAL SABRE MASK** by Leon Paul, priced at Rs75000, with a 5-star rating.
- FIE CONTOUR SABRE MASK** by Leon Paul, priced at Rs20000, with a 5-star rating.
- FIE CONTOUR FOIL MASK** by Leon Paul, priced at Rs75000, with a 5-star rating.

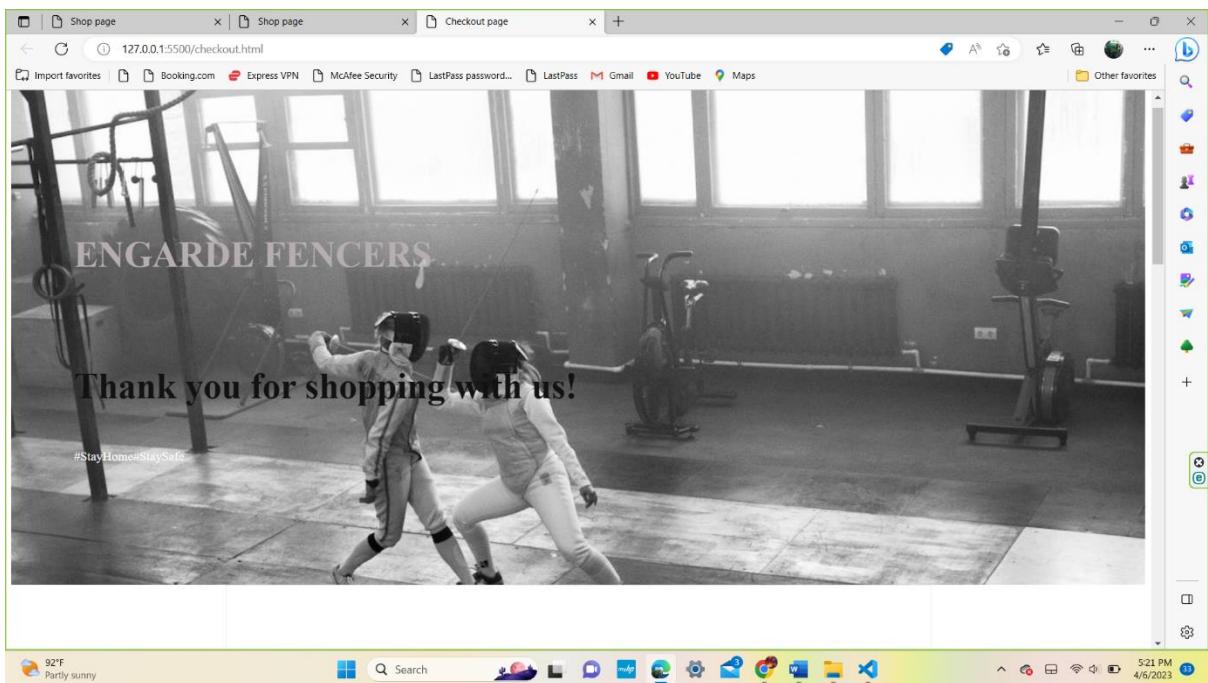
Each card features an image of the mask, the brand name, the product name, the price, a 5-star rating, and an 'Add Cart' button.



The screenshot shows the footer section of the Engard Fencer website. It includes a logo, a call-to-action message ('Come join us and unleash your inner athlete.'), and contact information ('GP square', 'baudhaloka mawatha', 'kollpiti', 'engardefen@gmail.com'). There are also sections for 'Office' (links to Home, Shop, Quiz, Comment, About us) and 'Links' (Facebook, Instagram, Twitter, YouTube). The 'Page Editor' section credits 'Editor:-Amadee Ranasinghe'. At the bottom, there's a 'BACK TO TOP' button and a copyright notice ('Engard Fencer © 2023-All rights reserved').



checkout.html



To complete your order please fill the required fields

Personal Infomation

Full Name*
amadee ranasinghe

Email*
amadee@gmail.com

Address*
34/B,Pepiliyana rd,Pepiliyana.

City*
Nugegoda

State(Country)
srilanka

Credit card number*

1234-5678-9123

Exp Month*

July

Exp Year*

2023

CVV*

1234

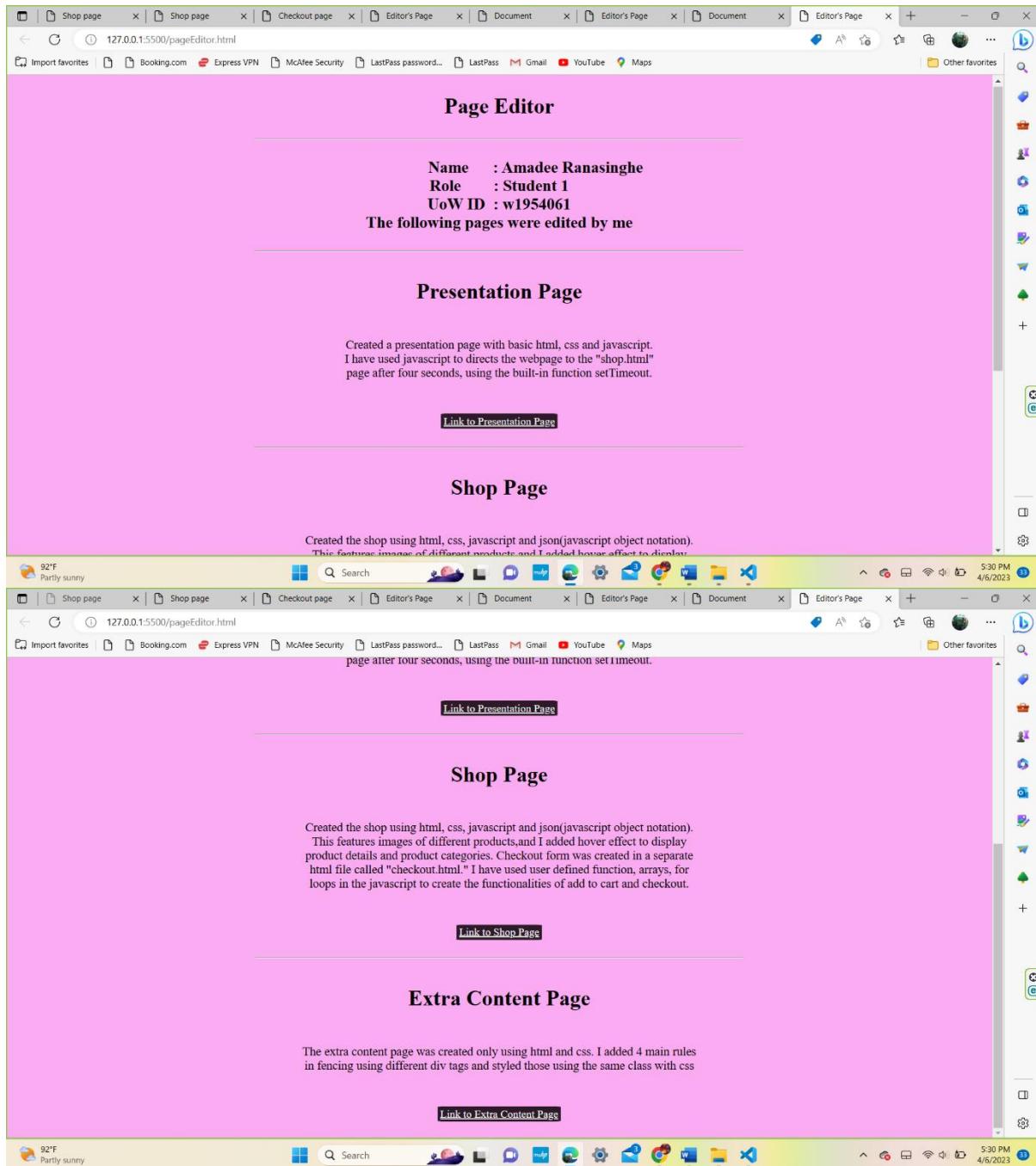
Cart

 CUSTOM SABRE CREATOR
Rs40000
1

Total price: Rs 40000

proceed to checkout

3.pageEditor.html



The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Page Editor". Inside the page editor, there is a section for user information:

Name : Amadee Ranasinghe
Role : Student 1
UoW ID : w1954061

Below this, a message states: "The following pages were edited by me".

There are three main sections displayed:

- Presentation Page**: A brief description stating: "Created a presentation page with basic html, css and javascript. I have used javascript to directs the webpage to the "shop.html" page after four seconds, using the built-in function setTimeout." Below this is a link: [Link to Presentation Page](#).
- Shop Page**: A brief description stating: "Created the shop using html, css, javascript and json(javascript object notation). This features images of different products and I added hover effect to display product details and product categories. Checkout form was created in a separate html file called "checkout.html." I have used user defined function, arrays, for loops in the javascript to create the functionalities of add to cart and checkout." Below this is a link: [Link to Shop Page](#).
- Extra Content Page**: A brief description stating: "The extra content page was created only using html and css. I added 4 main rules in fencing using different div tags and styled those using the same class with css" Below this is a link: [Link to Extra Content Page](#).

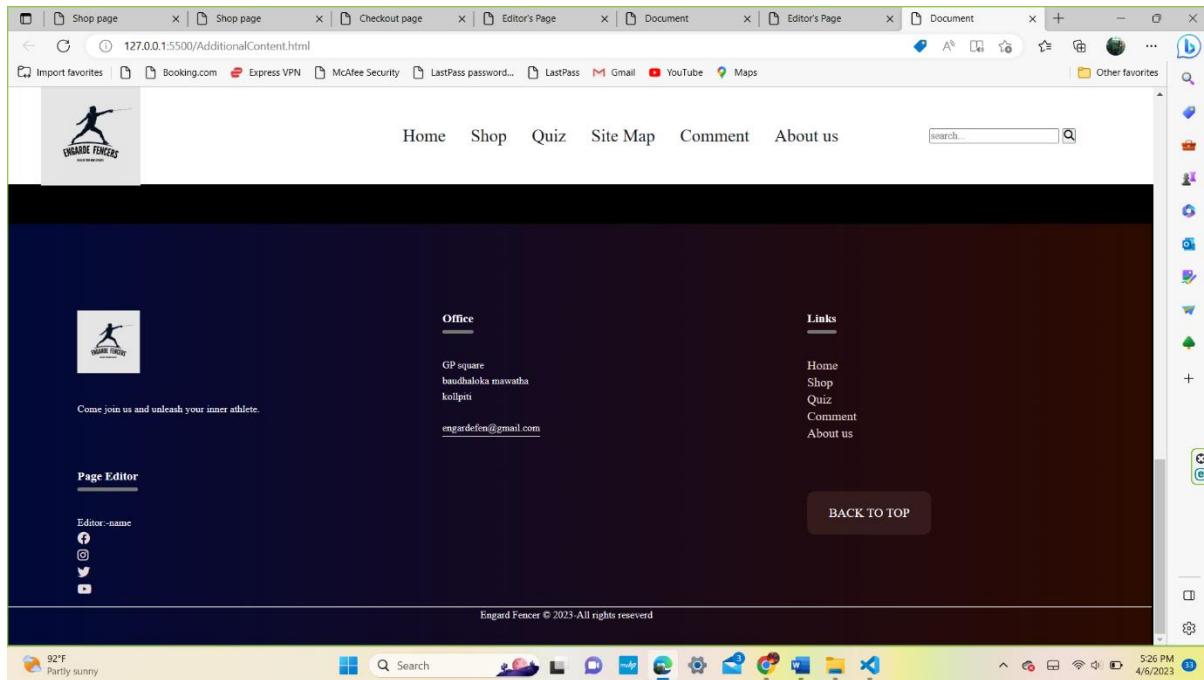
4.additionalContent.html

The screenshot shows a web browser window with a dark theme. At the top, there is a navigation bar with tabs labeled "Shop page", "Checkout page", "Editor's Page", "Document", and "Editor's Page". Below the tabs, there is a header with a logo of a fencer and the text "EN GARDE FENCERS". The main content area features a large, bold title "Rules". Below the title, there is a small paragraph of text: "Fencing competitions are regulated by a set of rules that are designed to ensure the safety of the fencers, maintain fair play, and establish a standard for scoring." The browser's status bar at the bottom shows the temperature as 92°F and the date/time as 5:26 PM 4/6/2023.

The screenshot shows a web browser window with a dark theme, similar to the previous one. The main content area is divided into six sections, each enclosed in a white box with a thin border:

- En Garde**: Fencers must start each bout in the en garde position, which involves standing with one foot in front of the other, knees slightly bent, with the weapon held in a ready position. Fencers must maintain this position throughout the bout and be ready to move and attack at any moment.
- Priority (Right of Way)**: In fencing, the fencer who initiates the attack first is awarded the "right of way" and has priority to score a point. However, the opponent has the opportunity to counterattack and take over the right of way. This rule encourages strategic timing and precision in attacks and defenses.
- Touches and Scoring**: Fencers score points by hitting their opponent with the tip or edge of their weapon. The target areas for scoring are different depending on the weapon used (foil, épée, sabre). Touches are counted electronically, and the first fencer to reach a certain number of points (e.g., 15 points in foil and sabre) wins the bout.
- On-Guard Distance**: Fencers must maintain a safe distance from each other, known as on-guard distance, to avoid collisions and ensure fair play. The distance varies depending on the weapon used and the fencer's skill level, and it is important to constantly adjust and control this distance during the bout.
- Penalties**: Fencers can receive penalties for various actions such as stepping off the strip, covering target areas with their non-weapons hand, or showing unsportsmanlike behavior. Penalties can result in points being awarded to the opponent or even disqualification from the bout.
- Sportsmanship**: Fencers are expected to demonstrate high sportsmanship at all times, treating their opponents with respect and adhering to the rules of the play. This includes shaking hands before and after the bout, accepting defeat graciously, and showing respect for the decisions of the referee.

The browser's status bar at the bottom shows the temperature as 92°F and the date/time as 5:26 PM 4/6/2023.



Appendix C: Screenshots - Webpage Validation Evidence

1.presentation.html

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

2.shop.html

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

Showing results for uploaded file presentation.html

Checker Input –

Show source outline image report

Check by No file chosen

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

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 5 milliseconds.

About this checker • Report an issue • Version: 23.3.31

92°F Partly sunny 5:33 PM 4/6/2023

3.pageEditor.html

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

Check by No file chosen

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

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 5 milliseconds.

About this checker • Report an issue • Version: 23.3.31

28°C Partly cloudy 7:43 PM 4/5/2023

Appendix D: Individual Statement

Student Name:	Amadee Ranasinghe	Student Id:	20221238 W1954061
State what tasks you carried out in the project.			
Presentation page with the splash screen, Buy products page, Personal editor page, Additional content page			
State what you enjoyed and did not enjoy about teamwork.			
Everyone was friendly and actively participated in the meetings.			
State what you learnt about teamwork.			
Learned valuable lessons about Communication, Collaboration, time management and leadership.			
State what skills you gained/learnt from undertaking the project.			
Research skills, leadership skills, communication skills			
State any strengths about yourself that emerged whilst undertaking the project.			
Capability of working under pressure and never giving up on a task was much needed while completing the project.			
State any weaknesses about yourself that emerged whilst undertaking the project.			
State how you would do things better if you were to undertake the project again.			
Develop a project plan and timeline, take time to evaluate the project and team's performance.			
Additional general or project specific comments:			

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	yes			
2a - Main (Home) Page	yes			Worked with student 2
4 - Buy products	yes			
9b - External CSS (9a reused)	yes			
10 - Extra content page/anchors	yes			
11 - Page Editor	yes			
12 - Logo/Page Editor	yes			
13 - Additional Interactivity	yes			
14 - Uploaded to Server	yes			