

Web Design and Development 4COSC011W

Report

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Group Number G9
Student Role: Student 3

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1.Introduction

Topic: Entertainment (Website for a gaming instrument selling and distributing company (Pixilla.lk))

Role	Name	IIT ID	UOW ID	Completed pages
Student1	Ashen Himeshana	20221717	w1999518	Presentation page Buy products page Main page(contributed) Additional page: ActionGames
Student2	Manusha Upekshana	20221575	w1998738	Query Form Main Page(owner) Navigation Bar Additional page: SportGames
Student3	Himan Welgama	20221109	w1998723	Quiz page Student Details page Main page(contributed) Additional page: RaceGames
Student4	Thaveesha Sonnadara	20222131	w1998729	Diagram SVG (Sitemap page) Thumbnail images page. Main page(contributed) Additional page: HorrorGames

Group Coursework Meetings		
1	Date & Time	2023-07-02 /face to face (After a tutorial)
	Objective:	<ol style="list-style-type: none"> 1. We distributed and discussed our student roles. 2. 2. Allocate students to their roles
	Attended:	All group members attended.
	My Contribution:	1. We only discussed about our roles
2	Date & Time:	2023-07-10/face to face (In a group member's house)
	Objective:	<ol style="list-style-type: none"> 1. We started our coursework by attempting to create a global style sheet
	Attended:	All group members attended.
	My Contribution:	<ol style="list-style-type: none"> 1. I contribute to create the style sheet
3	Date & Time	2023-07-12 /face to face (During lunch break)
	Objective	1. Discussed questions related to coursework and how to solve them.
	Attended:	All members are attended
	My contribution	I reported my progress on the store and presentation page.
4	Date & Time	2023-07-18(Online -6.00 p.m to 7.00 p.m)
	Objective	<ol style="list-style-type: none"> 1. Discussed the development of individual works and new ideas. 2. Start to create the main page and discussed the topics to be added.
	Attended:	All members attended.
	My contribution	<p>I reported my individual progress in creating the presentation webpage.</p> <p>I got some ideas and gave details about new information related to our topic.</p>
5	Date & Time	2023-07-20 /face-to-face (in a group member house)
	Objective	<ol style="list-style-type: none"> 1. Discuss the progress of individual tasks. 2. Finish the work on the main page.

	Attended:	All members attended.
	My contribution	I reported my progress in creating buy products web page and java script part related to my web page.
6	Date & Time	2023-07-21/Face-to-face (In a group member's house)
	Objective	Discuss the tasks competed and yet to complete
	Attended	All members attended.
	My contribution	I finalized my work on the buy productspage.
7	Date & Time	2023-07-22/Face-to-face (In a group member's house)
	Objective	Finalize the project
	Attended	All members attended
	My contribution	I finalized the buy products page, presentation page and additional project

2. Technical Discussion

As Student 3, my responsibilities encompassed crafting the quiz and student details page for our website. Additionally, I designed an extra web page centered on racing games to align with our chosen dark-themed website. The Racing Games page offers an immersive experience, inviting users to participate in thrilling virtual races on diverse tracks. Players can compete against AI opponents or challenge friends in multiplayer mode while relishing the option to customize their racing vehicles for optimal performance.

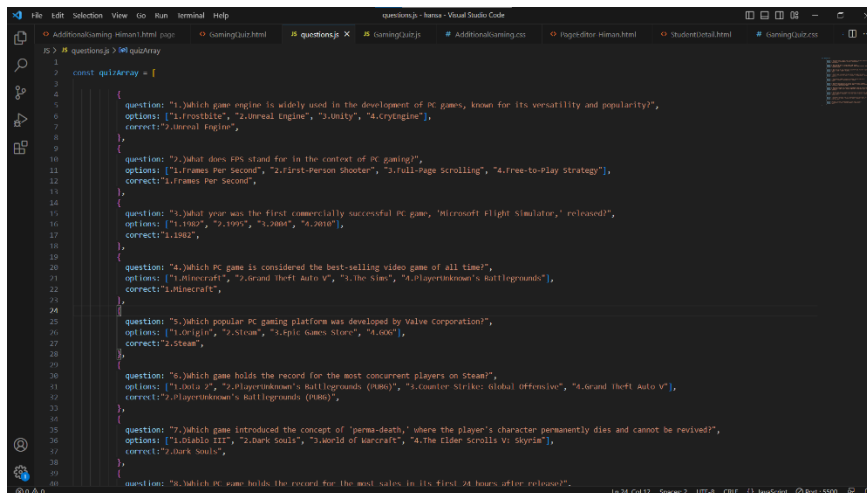
1. Quiz.



The quiz comprises ten questions, encompassing different subjects concerning Games, like well-known Games and recent Games. To initiate the quiz, there is a start button provided, and once it is clicked, the quiz will commence. Furthermore, I have utilized a background image to enhance the visual appeal of the web page.

I have incorporated ten questions with a time limit of 6 seconds per question. A correct answer earns one point. To achieve this, I employed two JavaScript files, along with two CSS files (one for the navigation bar and the other for the quiz), and one HTML file. One of the JavaScript files was used to store the questions, while the other controlled the quiz.

In the JavaScript file shown below, I utilized an object array to store the questions and their corresponding answers. The quiz comprises ten multiple-choice questions focused on music. Each question is represented as an object, containing a question string, an array of options, and the correct answer. The options are listed as an array of strings, and the correct answer is identified by a single string.



The JavaScript code declares various HTML elements as variables to facilitate the quiz's functioning. These variables include the start button, question container, timer element, and score element. Moreover, the code keeps track of several factors to monitor the progress of the quiz, such as the total

time elapsed, the current question count, and the score.

The code is designed to listen for specific events, including clicks on the start button, next button, and restart button. Once the start button is clicked, the quiz game commences, and the first question becomes visible. After the user selects an option, the code verifies if it is the correct answer, updates the score, and disables further options. In case the user selects the wrong answer, the code highlights

```

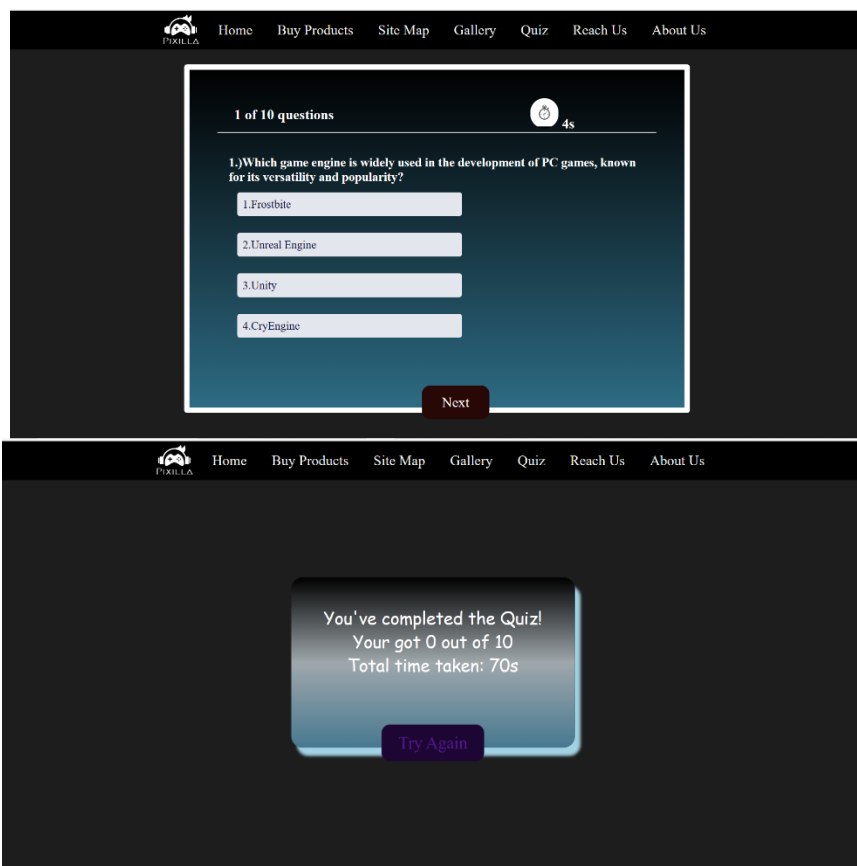
1 // Variables to store references to various HTML elements
2 let resultContainer = document.querySelector("result-container");
3 let restartButton = document.getElementById("restart-button");
4 let startButton = document.getElementById("start-button");
5 let quizContainer = document.getElementById("quiz-container");
6 let resultModal = document.getElementById("result-modal");
7 let timer = document.getElementById("timer");
8 let questionText = document.getElementById("question-text");
9 let questionCount = document.getElementById("question-count");
10 let scoreText = document.getElementById("score-text");
11 let startScreen = document.getElementById("start-screen");
12
13 // Variables to keep track of quiz state
14 let totalTime = 0;
15 let countdown;
16 let questionCount = 0;
17 let scoreCount = 0;
18 let count = 0;
19
20 // Event listener for the start button to display the next question or result
21 startButton.addEventListener("click", () => {
22   // If the start button is clicked, show the start screen
23   startScreen.classList.remove("hide");
24
25   // Check if all questions have been answered
26   if (questionCount === quizArray.length) {
27     // Display the result container with the user's score and total time taken
28     resultContainer.classList.remove("hide");
29     scoreText.innerHTML = "You've completed the Quiz! You've got " + scoreCount + " out of " + questionCount + " questions. Total time taken: " + totalTime + "s";
30     totalTime = 0;
31   } else {
32     // Display the next question and start the timer
33     questionCount++;
34     questionText.innerHTML = quizArray[questionCount - 1].question;
35     // Call the function to display the next question
36     displayNextQuestion(questionCount);
37     // Reset the countdown timer and start it again
38     count = 0;
39   }
40 });

```

the correct answer in green and the user's answer in red.

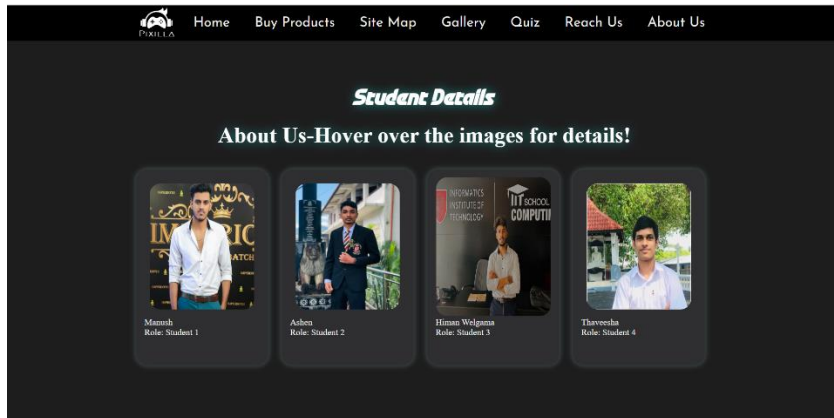
For each question, a separate time limit of 6 seconds is set. If the user fails to answer within this timeframe, the next question is automatically displayed. Once all questions are answered, the final score and the total time taken are presented in the result container.

At the end of the quiz, I programmed it to display both the overall score achieved during the quiz and the total duration spent on the quiz.



2. Student details.

I was given the task of designing a web page that showcases our team members who took part in this coursework, along with their respective assignments. To enhance the web page's appeal, I applied several CSS effects. When hovering over a photograph, it elevates slightly and reduces brightness, revealing both the image and the student's number.

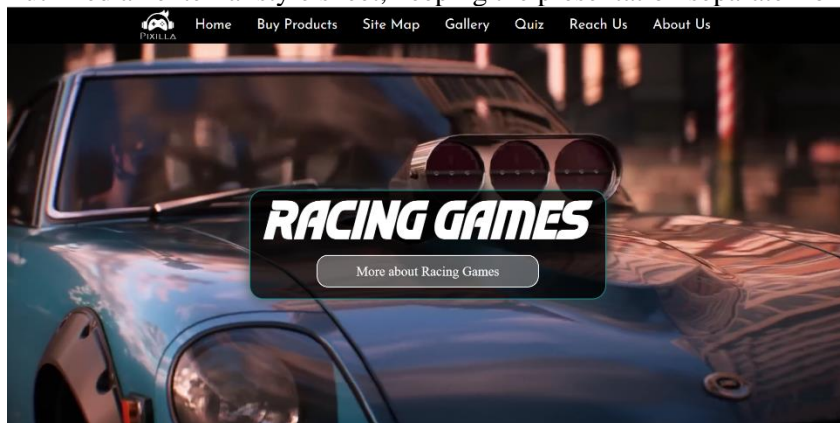


3. Page Editor Page.

On this page, we have integrated links to access each student's assignment and connect to their corresponding pages. Additionally, we have included a brief description of our collaborative efforts during this coursework. Solely utilizing HTML and CSS, we linked this page at the bottom of every individual page that we developed.

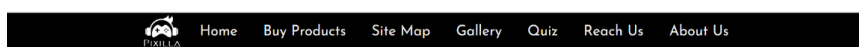
4. Extra content page relevant to the topic

Our primary focus was on Gaming, and consequently, I selected Racing Games as the topic for the supplementary page. To enhance its appeal, I incorporated a short video clip at the page's outset. Additionally, I provided a description of Racing Games and highlighted some of the finest Racing Games on that page. To enrich the content, I integrated a photo album on the webpage. For the design, I utilized an external style sheet, keeping the presentation separate from the content.



5. Use of provided navigation bar (adapted).

I integrated the navigation bar, which was originally designed by student 1, into my web pages. To do this, I copied the HTML code for the navigation bar and placed it within the body section of my web pages. Subsequently, I linked the CSS file associated with the navigation bar to each of my web pages. Additionally, I established links between our web pages through the navigation bar, allowing seamless navigation between our respective pages.



6. Addition CSS.


```
1
2  html{
3      /* SCROLLING SMOOTH */
4      scroll-behavior: smooth;
5      color: white;
6      --big: calc(8rem + 1vw);
7      --header1: calc(5rem + 1vw);
8      --header2: calc(3.5rem + 1vw);
9      --header3: calc(3rem + 1vw);
10     --header4: calc(2rem + 1vw);
11     --header5: calc(1.75rem + 1vw);
12     --text: calc(1rem + 1vw);
13     --par: calc(0.8rem + 1vw);
14     --60color: #1d1d1d;
15     --30color: #3c4748;
16     --10color: #208c8c;
17
18 }
19
20 /* ADDING BACKGROUND COLOR*/
21 body{
22     background-color: var(--60color);
23     animation: opening 1s ease-in-out;
24 }
25 /*ADDING FONTS*/
26 @font-face {
27     font-family: 'heading-font';
28     src: url('/fonts/TechnoRaceItalic-eZRWwe.otf');
29 }
30 @font-face {
31     font-family: 'normal';
32     src: url('/fonts/JosefinSans-VariableFont_wght.ttf');
33 }
34 /* REMOVING BASIC STYLES */
35 *{
36     margin: 0;
37     padding: 0;
38     box-sizing: border-box;
39     /* ADDING COLOR */
40 }
```

3.Webpage Validation Statement

I had only one error

4.Janet

JANET serves as a high-speed computer network utilized by the research and academic communities in the UK. To operate and engage on the Internet through JANET, both individuals and companies must adhere to its specific rules and standards. JANET has a global presence, and obtaining prior approval from JANET is essential before undertaking any projects.

For companies or institutions using the JANET network, compliance with the following policies is mandatory:

- 1.Eligibility Policy
- 2.Acceptable Use Policy
- 3.Security Plan

These policies are designed to ensure that all institutions and groups maintain the security of their networks.

As the author of the project, I am fully capable of clarifying and addressing any queries about my work. This project is entirely original, without any reliance on external sources, and every aspect of the work is properly attributed. I have strictly adhered to all rules and regulations set forth by the community, and the website represents a genuine endeavor. There are no potentially hazardous components in this project .

References

- W3 schools: www.w3schools.com
- Stack Overflow

Appendices

Appendix A: Code

- Filename: GamingQuiz.html
- Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <!-- Metadata -->
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- Page title -->
  <title>Main page</title>
  <!-- External stylesheets -->
  <link rel="stylesheet" href="../Style/GamingQuiz.css">
  <link rel="stylesheet" href="../Style/global-style.css">
  <link rel="stylesheet" type="text/css"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css">

  <!-- Font Awesome Kit -->
  <script src="https://kit.fontawesome.com/a076d05399.js"></script>
</head>
<body>
  <!-- Details in the side-panel -->
  <section class="dev flex flex-center">
    <div class="panel-close"><i class="fas fa-times"></i></div>
    <div class="dev-wrapper">
      <div class="dev-image flex flex-center">
        
      </div>
      <div class="dev-name">
        <h3>Hinan Welgama</h3>
      </div>
      <div class="dev-description">
        <div class="student-details">
          <p>IIT ID: 20221109</p>
          <p>UOW ID: w1998723</p>
          <p>Student-3</p>
        </div>
        <p>List of tasks completed</p>
        <hr>
        <p>Task-2b</p>
        <p>Task-6</p>
        <p>Task-8</p>
        <p>Tasks-9b to 15</p>
      </div>
    </div>
  </section>
</body>
</html>
```

```

        </div>
    </div>
</section>
<!-- Navigation bar -->
<nav>
    <!-- Logo -->
    <div class="logo"></div>
    <!-- Navigation links -->
    <ul>
        <li><a href="tester.html">Home</a></li>
        <li><a href="queryform.html">Buy Products</a></li>
        <li><a href="tester.html">Site Map</a></li>
        <li><a href="tester.html">Gallery</a></li>
        <li><a href="AdditionalInf.html">Quiz</a></li>
        <li><a href="tester.html">Reach Us</a></li>
        <li><a href="tester.html">About Us</a></li>
    </ul>
</nav>

<!-- Main content container -->
<div class="container">
    <!-- Start screen -->
    <div class="start-screen">
        
        <button id="start-button" class="start-button"></button>
    </div>

    <!-- Quiz main container -->
    <div id="main-container">
        <!-- Header section with question count and timer -->
        <div class="header">
            <div class="number-of-count">
                <span class="number-of-question">
                    1 of 10 questions
                </span>
            </div>
            <div class="timer">
                
                <span class="timer-left"></span>
            </div>
        </div>
        <hr>
        <!-- Quiz container to display questions -->
        <div id="quiz-container">
        </div>
        <!-- Button to move to the next question -->
        <button id="next-button" class="quiz-button">Next</button>
    </div>

```

```
<!-- Result container to display the final score -->
<div class="result-container hide">
  <div id="user-score">Demo Score</div>
  <button id="restart-button" class="restart-button">
    <!-- Link to restart the quiz -->
    <a href="GamingQuiz.html" class="restart-link">Try Again</a>
  </button>
</div>
</div>

<!-- Footer section -->
<div class="footer">
  <!-- Footer column 1 with developer information -->
  <div class="footer-col-1">
    <h3>Page Developer</h3>
    <h3><a class="view-editor">Himan Welgama</a></h3>
  </div>
  <!-- Footer column 2 with copyright and logo -->
  <div class="footer-col-2">
    
    <hr>
    <p>© 2023 Pixilla Corporation.</p>
    <p>All trademarks are property of their respective owners in the Sri Lanka and
other countries.</p>
    <p>All rights reserved.</p>
    <hr>
  </div>
  <!-- Footer column 3 with social media icons -->
  <div class="footer-col-3">
    <h3>Follow Us On</h3>
    <div class="social icons">
      
      
      
      
      
    </div>
  </div>
</div>

<!-- JavaScript files -->
<script src="../JS/Questions.js"></script>
<script src="../JS/GamingQuiz.js"></script>
<script src="../JS/global.js"></script>

</body>
</html>
```

- Filename: GamingQuiz.css
- Code:

```
*{
  margin-bottom: 70px;
  padding: 0;
  font-family: montserrat;
}

.start-screen img {
  margin-left: 10%;
  width: 900px;
  height: 500px;
  margin-top: 150px;
  position: relative;
  bottom: 0;
  z-index: -1;
}

.hide{
  display: none;
}

.quiz-button{
  width: 120px;
  height: 60px;
  background-color: #280707;
  font-size: 25px;
  color: white;
  border: none;
  position: absolute;
  left: 47%;
  cursor: pointer;
  border-radius: 15px;
}

.quiz-button:hover{
  background-color: rgb(65, 2, 2);
}

.start-button{
  height: 0px;
  width: 0px;
  padding: 0px;
  background-color: black;
}
```

```
.start-button img{
  width: 250px;
  height: 250px;
  margin-top: 50px;
  cursor: pointer;
  z-index: 2;
}

.restart-button{
  position: absolute;
  top: 70%;
  left: 50%;
  transform: translate(-50%, -50%);
  -ms-transform: translate(-50%, -50%);
  font-size: 30px;
  font-weight: 500;
  color: rgb(251, 251, 251);
  padding: 15px 30px;
  outline: none;
  border-radius: 15px;
  background-color: #1e0634;
  border-width: 5px;
  border-color: aliceblue;
  box-shadow: #1e0634;
}

#main-container{
  position: absolute;
  transform: translate(-50%, -50%);
  -ms-transform: translate(-50%, -50%);
  width: 900px;
  height: 50px;
  left: 50%;
  padding: 50px 50px 550px 50px;
  border-radius: 5px;
  border: 1px solid #ffffff;
  margin-top: 405px;
  border-width: 10px;
  background-image: linear-gradient(rgb(1, 1, 1), rgb(46, 108, 132));
}

.header{
  height: 60px;
  width: 100%;
  display: flex;
  align-items: center;
  padding: 30px;
  border-radius: 5px;
  font-size: 25px;
  font-weight: 700;
  color: white;
}

#quiz-container{
```



```
padding: 20px;
width: 100%;
font-size: 25px;
margin-bottom: 50px;
margin-top: 20px;
}

.option-div{
padding: 10px;
width: 400px;
margin: 2%;
border-radius: 5px;
font-size: 20px;
border: none;
text-align: left;
background-color: #e3e6ed;
color: #0f103d;
}

.timer img{
margin-left: 350px;
width: 50px;
border-radius: 50px;
}

#user-score{
position: absolute;
top: 25%;
left: 50%;
transform: translate(-50%, -50%);
-ms-transform: translate(-50%, -50%);
font-size: 30px;
padding: 50px;
text-align: center;
margin: auto;
width: 500px;
margin-top: 200px;
margin-bottom: 0%;
height: 300px;
border-radius: 20px;
box-shadow: 10px 15px 5px #a2d2e4;
background-image: linear-gradient(rgb(1, 1, 1), rgb(160, 168, 172), rgb(72, 121, 144));
font-family: cursive;
color: #ffffff;
}

.message{
font-size: 30px;
text-align: center;
}
```

```
.option-div:disabled{
  padding: 10px;
  width: 400px;
  margin: 2%;
  border-radius: 5px;
  cursor: pointer;
  color: rgb(30, 25, 53);
}

.option-div:hover{
  background-color: #280707;
  color: #ffffff;
}

.question{
  font-size: 22px;
  font-weight: bold;
  color: white;
}

.container{
  display: block;
  height: 100vh;
}

.correct{
  background: #36e15b;
}

.incorrect{
  background: #f43a4d;
}

.background-img{
  z-index: -1;
}

nav ul li a {
  text-decoration: none;
}

.restart-link {
  text-decoration: none;
}
```

- Filename: GamingQuiz.js
- Code:

```
// Variables to store references to various HTML elements
```

```
let resultContainer = document.querySelector(".result-container");
let restartButton = document.getElementById("restart-button");
let startButton = document.getElementById("start-button");
let quizContainer = document.getElementById("quiz-container");
let nextButton = document.getElementById("next-button");
let timeLeft = document.querySelector(".timer-left");
let mainContainer = document.getElementById("main-container");
let countOfQuestion = document.querySelector(".number-of-question");
let userScore = document.getElementById("user-score");
let startScreen = document.querySelector(".start-screen");

// Variables to keep track of quiz state
let totalTime = 0;
let countDown;
let questionCount;
let scoreCount = 0;
let count = 7;

// Event listener for the Next button to display the next question or result
nextButton.addEventListener("click", () => {
  // Increment the questionCount to move to the next question
  questionCount += 1;

  // Check if all questions have been answered
  if (questionCount == quizArray.length) {
    // Display the result container with the user's score and total time taken
    mainContainer.classList.add("hide");
    resultContainer.classList.remove("hide");
    userScore.innerHTML = "You've completed the Quiz!<br>Your got " + scoreCount + "
out of " + questionCount + "<br>Total time taken: " + totalTime + "s";
    totalTime = 0;
  } else {
    // Display the next question and start the timer
    countOfQuestion.innerHTML = questionCount + 1 + " of " + quizArray.length + "
Question";

    // Call the function to display the next question
    quizDisplay(questionCount);

    // Reset the countdown timer and start it again
    count = 7;
    clearInterval(countDown);
    timerDisplay();
  }
});

// Function to display the countdown timer
const timerDisplay = () => {
  countDown = setInterval(() => {
    count--;
```

```

    totalTime++;
    timeLeft.innerHTML = `${count}s`;
    if (count == 0) {
        clearInterval(countDown);
        // Automatically move to the next question when the timer reaches 0
        nextButton.click();
    }
}, 1000);
};

// Function to display a specific question
const quizDisplay = (questionCount) => {
    let quizCard = document.querySelectorAll(".container-mid");
    quizCard.forEach((card) => {
        card.classList.add("hide");
    });
    quizCard[questionCount].classList.remove("hide");
};

// Function to create the quiz from the quizArray
function quizCreator() {
    for (let i of quizArray) {
        // Create a container for each question
        let div = document.createElement("div");
        div.classList.add("container-mid", "hide");

        // Create the question element and add it to the container
        let question_DIV = document.createElement("p");
        question_DIV.classList.add("question");
        question_DIV.innerHTML = i.question;
        div.appendChild(question_DIV);

        // Create the answer options buttons and add them to the container
        div.innerHTML += `
<button class="option-div" onclick="checker(this)">${i.options[0]}</button>
<button class="option-div" onclick="checker(this)">${i.options[1]}</button>
<button class="option-div" onclick="checker(this)">${i.options[2]}</button>
<button class="option-div" onclick="checker(this)">${i.options[3]}</button>`;

        // Add the container to the quizContainer
        quizContainer.appendChild(div);
    }
}

// Function to initialize the quiz
function initial() {
    // Reset various variables and display the first question
    quizContainer.innerHTML = "";
    questionCount = 0;
    scoreCount = 0;

```

```
count = 7;
clearInterval(countDown);
timerDisplay();
quizCreator();
quizDisplay(questionCount);
}

// Function to check the user's answer
function checker(userOption) {
    let userSolution = userOption.innerText;
    let question = document.getElementsByClassName("container-mid")[questionCount];
    let options = question.querySelectorAll(".option-div");

    if (userSolution === quizArray[questionCount].correct) {
        userOption.classList.add("correct");
        scoreCount++;
    } else {
        userOption.classList.add("incorrect");
        // Show the correct option to the user
        options.forEach((element) => {
            if (element.innerText === quizArray[questionCount].correct) {
                element.classList.add("correct")
            }
        });
    }
    clearInterval(countDown);
    // Disable all option buttons to prevent further answers
    options.forEach((element) => {
        element.disabled = true;
    });
}

// Event listener for the Start button to begin the quiz
startButton.addEventListener("click", () => {
    startScreen.classList.add("hide");
    mainContainer.classList.remove("hide");
    initial();
});

// Event listener for the Restart button to restart the quiz
restartButton.addEventListener("click", () => {
    // Reload the quiz page to start over
    window.location.href = "gamingquiz.html";
});

// Function to be executed when the page loads
window.onload = () => {
    startScreen.classList.remove("hide");
    mainContainer.classList.add("hide");
};
```

- Filename: questions.js
- Quiz:

```
const quizArray = [  
  {  
    question: "1.)Which game engine is widely used in the development of PC games,  
known for its versatility and popularity?",  
    options: ["1.Frostbite", "2.Unreal Engine", "3.Unity", "4.CryEngine"],  
    correct:"2.Unreal Engine",  
  },  
  {  
    question: "2.)What does FPS stand for in the context of PC gaming?",  
    options: ["1.Frames Per Second", "2.First-Person Shooter", "3.Full-Page  
Scrolling", "4.Free-to-Play Strategy"],  
    correct:"1.Frames Per Second",  
  },  
  {  
    question: "3.)What year was the first commercially successful PC game,  
'Microsoft Flight Simulator,' released?",  
    options: ["1.1982", "2.1995", "3.2004", "4.2010"],  
    correct:"1.1982",  
  },  
  {  
    question: "4.)Which PC game is considered the best-selling video game of all  
time?",  
    options: ["1.Minecraft", "2.Grand Theft Auto V", "3.The Sims",  
"4.PlayerUnknown's Battlegrounds"],  
    correct:"1.Minecraft",  
  },  
  {  
    question: "5.)Which popular PC gaming platform was developed by Valve  
Corporation?",  
    options: ["1.Origin", "2.Steam", "3.Epic Games Store", "4.GOG"],  
    correct:"2.Steam",  
  },  
  {  
    question: "6.)Which game holds the record for the most concurrent players on  
Steam?",  
    options: ["1.Dota 2", "2.PlayerUnknown's Battlegrounds (PUBG)", "3.Counter-  
Strike: Global Offensive", "4.Grand Theft Auto V"],  
    correct:"2.PlayerUnknown's Battlegrounds (PUBG)",  
  },  
  {  

```

```

        question: "7.)Which game introduced the concept of 'perma-death,' where the
player's character permanently dies and cannot be revived?",
        options: ["1.Diablo III", "2.Dark Souls", "3.World of Warcraft", "4.The Elder
Scrolls V: Skyrim"],
        correct:"2.Dark Souls",
    },
    {
        question: "8.)Which PC game holds the record for the most sales in its first
24 hours after release?",
        options: ["1.World of Warcraft: Shadowlands", "2.The Elder Scrolls V: Skyrim",
"3.Cyberpunk 2077", "4.Red Dead Redemption 2"],
        correct:"3.Cyberpunk 2077",
    },
    {
        question: "9.)Which game franchise is known for its massive open-world
environments and modding community?",
        options: ["1.Fallout", "2.The Witcher", "3.Grand Theft Auto", "4.Assassin's
Creed"],
        correct:"3.Grand Theft Auto",
    },
    {
        question: "10.)What is the name of the protagonist in the 'Portal' series?",
        options: ["1.Alex Mercer", "2.Chell", "3.Gordon Freeman", "4.Lara Croft"],
        correct:"2.Chell",
    },
    },
];

```

- Filename: StudentDetail.html
- Code:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <!-- Metadata -->
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Page title -->
    <title>Main page</title>
    <!-- External stylesheets -->
    <link rel="stylesheet" href="../Style/global-style.css">
    <link rel="stylesheet" href="../Style/StudentDetail.css">
    <link rel="stylesheet" type="text/css"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css">
    <!-- Font Awesome Kit -->

</head>
<body>

```

```

<!-- Details in the side-panel -->
<section class="dev flex flex-center">
  <div class="panel-close"><i class="fas fa-times"></i></div>
  <div class="dev-wrapper">
    <div class="dev-image flex flex-center">
      
    </div>
    <div class="dev-name">
      <h3>Hinan Welgama</h3>
    </div>
    <div class="dev-description">
      <div class="student-details">
        <p>IIT ID: 20221109</p>
        <p>UOW ID: w1998723</p>
        <p>Student-3</p>
      </div>
      <p>List of tasks completed</p>
      <hr>
      <p>Task-2b</p>
      <p>Task-6</p>
      <p>Task-8</p>
      <p>Tasks-9b to 15</p>
    </div>
  </div>
</section>
<!-- Navigation bar -->
<nav>
  <!-- Logo -->
  <div class="logo"></div>
  <!-- Navigation links -->
  <ul>
    <li><a href="tester.html">Home</a></li>
    <li><a href="queryform.html">Buy Products</a></li>
    <li><a href="tester.html">Site Map</a></li>
    <li><a href="tester.html">Gallery</a></li>
    <li><a href="AdditionalInf.html">Quiz</a></li>
    <li><a href="tester.html">Reach Us</a></li>
    <li><a href="tester.html">About Us</a></li>
  </ul>
</nav>
<!-- Header section -->
<div class="header-section">
  <h1 class="topic">Student Details</h1>
  <h2 class="topic">About Us-Hover over the images for details!</h2>
</div>

<!-- Container for student details -->
<div class="container">
  <!-- Student 1 -->
  <div class="student-container">

```



```

        
        <div class="stu-details">
            Manush<br>Role: Student 1
        </div>
    </div>
    <!-- Student 2 -->
    <div class="student-container">
        
        <div class="stu-details">
            Ashen<br>Role: Student 2
        </div>
    </div>
    <!-- Student 3 -->
    <div class="student-container">
        
        <div class="stu-details">
            Himan Welgama<br>Role: Student 3
        </div>
    </div>
    <!-- Student 4 -->
    <div class="student-container">
        
        <div class="stu-details">
            Thaveesha<br>Role: Student 4
        </div>
    </div>
</div>

<!-- Footer section -->
<div class="footer">
    <!-- Footer column 1 with developer information -->
    <div class="footer-col-1">
        <h3>Page Developer</h3>
        <h3><a class="view-editor">Himan Welgama</a></h3>
    </div>
    <!-- Footer column 2 with copyright and logo -->
    <div class="footer-col-2">
        
        <hr>
        <p>© 2023 Pixilla Corporation.</p>
        <p>All trademarks are property of their respective owners in the Sri Lanka and
other countries.</p>
        <p>All rights reserved.</p>
        <hr>
    </div>
    <!-- Footer column 3 with social media icons -->
    <div class="footer-col-3">
        <h3>Follow Us On</h3>
        <div class="social icons">
            

```

```

        
        
        
        
    </div>
</div>
</div>
<script src="../../JS/global.js"></script>
</body>
</html>

```

- Filename: StudentDetail.css
- Code:

```

.topic{
    text-align: center;
    color: white;
    margin-top: 20px;
    text-shadow: 1px 1px 20px var(--t0color);
    font-size: 40px;
}
.header-section{
    margin-top: 80px;
}
img:hover{
    filter:brightness(0.7);
}
.st-details{
    opacity: 0;
    color: rgb(255, 255, 255);
    font-size:18px;
    text-align:center;
    margin-top: 15px;
}
img:hover+.st-details{
    opacity: 1;
}
.container{
    padding: 40px;
    margin: auto;
    width: 75%;
}
.student-container{
    padding:15px 15px 50px 15px;
}

```

```

background-color: rgb(47, 47, 48);
border-radius: 20px;
margin-right: 16px;
margin-bottom: 50px;
margin-left: 5px;
box-shadow: 0px 0px 9px 3px var(--30color);
display:inline-table;
}
nav{
  position: relative;
}

.image {
  height: 250px;
  width: 210px;
  border-radius: 30px;
  transition: 1s;
  margin: auto;
  padding: 10px;
  border: none;
}
.image:hover{
  transform: scale(1.1);
}

nav ul li a {
  text-decoration: none;
}

```

- Filename: AdditionalGaming-Himan1.html
- Code:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <!-- Metadata -->
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- Page title -->
  <title>GAMING</title>
  <!-- External stylesheets -->
  <link rel="stylesheet" href="../../Style/global-style.css">
  <link rel="stylesheet" href="../../Style/AdditionalGaming.css">
  <link rel="stylesheet" type="text/css"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css">

```

```

<!-- Font Awesome Kit -->
<script src="https://kit.fontawesome.com/a076d05399.js"></script>
</head>

<body>
  <!-- Details in the side-panel -->
  <section class="dev flex flex-center">
    <div class="panel-close"><i class="fas fa-times"></i></div>
    <div class="dev-wrapper">
      <div class="dev-image flex flex-center">
        
      </div>
      <div class="dev-name">
        <h3>Hinan Welgama</h3>
      </div>
      <div class="dev-description">
        <div class="student-details">
          <p>IIT ID: 20221109</p>
          <p>UOW ID: w1998723</p>
          <p>Student-3</p>
        </div>
        <p>List of tasks completed</p>
        <hr>
        <p>Task-2b</p>
        <p>Task-6</p>
        <p>Task-8</p>
        <p>Tasks-9b to 15</p>
      </div>
    </div>
  </section>
  <!-- Navigation bar -->
  <nav>
    <!-- Logo -->
    <div class="logo"></div>
    <!-- Navigation links -->
    <ul>
      <li><a href="tester.html">Home</a></li>
      <li><a href="queryform.html">Buy Products</a></li>
      <li><a href="tester.html">Site Map</a></li>
      <li><a href="tester.html">Gallery</a></li>
      <li><a href="AdditionalInf.html">Quiz</a></li>
      <li><a href="tester.html">Reach Us</a></li>
      <li><a href="tester.html">About Us</a></li>
    </ul>
  </nav>

  <!-- Main content section -->
  <section>
    <!-- Video background section -->
    <div class="mp4-r flex flex-center">

```

```

    <video autoplay loop muted playsinline class="mp4video-r">
      <!-- Video source -->
      <source src="../Img/video1.mp4" type="video/mp4">
    </video>
    <!-- Text and link on top of the video -->
    <div class="topic-R flex flex-column flex-center">
      <h1>RACING GAMES</h1>
      <a href="#start">More about Racing Games</a>
    </div>
  </div>

  <!-- Description section -->
  <div class="description-container">
    <!-- Content about Racing Games -->
    <p class="topic" id="start">RACING GAMES</p>
    <div class="container flex flex-center">
      <div class="text">
        <p>
          <!-- Description of racing games -->
          Racing games deliver heart-pounding excitement as players take
control of high-speed vehicles on a variety of tracks,
          from real-world circuits to imaginative landscapes. Engage in fierce
competition against AI opponents or challenge friends
          in multiplayer modes. Customize your vehicles for peak performance,
earning rewards and unlocking new content as you progress
          through thrilling championships and challenges. Experience the
ultimate adrenaline rush of racing in this action-packed virtual
          world.
        </p>
      </div>
    </div>
    <!-- Image related to racing games -->
    
  </div>
</div>

<!-- Horizontal line to separate content -->
<hr>

<!-- Album section with best racing games -->
<div class="albums">
  <p class="sub-topic">Best Racing Games</p>
  <div class="flex flex-center">
    <div class="album album1">
      <p class="name">MotoGP 23</p>
    </div>
    <div class="album album2">
      <p class="name">Froza Horizon 5</p>
    </div>
  </div>
</div>

```

```

        <div class="album album3">
            <p class="name">NFS Heat</p>

        </div>
        <div class="album album4">
            <p class="name">F1 22</p>

        </div>
        <div class="album album5">
            <p class="name">The Crew Motor Fast</p>

        </div>

    </div>
</div>
<hr>
</section>
<!-- Footer section -->
<div class="footer">
    <!-- Footer column 1 with developer information -->
    <div class="footer-col-1">
        <h3>Page Developer</h3>
        <h3><a class="view-editor">Himan Welgama</a></h3>
    </div>
    <!-- Footer column 2 with copyright and logo -->
    <div class="footer-col-2">
        
        <hr>
        <p>© 2023 Pixilla Corporation.</p>
        <p>All trademarks are property of their respective owners in the Sri Lanka and
other countries.</p>
        <p>All rights reserved.</p>
        <hr>
    </div>
    <!-- Footer column 3 with social media icons -->
    <div class="footer-col-3">
        <h3>Follow Us On</h3>
        <div class="social icons">
            
            
            
            
            
        </div>
    </div>
</div>
</div>
<script src="../../JS/global.js"></script>
</body>
</html>

```

- Filename: AdditionalGaming.css
- Code:

```
@import url('global-style.css');

.mp4-r {
  width: 100%;
}

.mp4video-r {
  border-radius: 3px;
  width: 100%;
  position: relative;
}

.topic-R {
  position: absolute;
  border: 2px solid var(--10color);
  background: rgba(0, 0, 0, 0.8);
  border-radius: 25px;
  box-shadow: 0 0 30px var(--30color);
}

.topic-R h1 {
  color: #ffffff;
  transition: 0.4s;
  margin-left: 30px;
  margin-right: 30px;
}

nav ul li a {
  text-decoration: none;
}

.topic-R h1:hover {
  color: #fafafa;
  opacity: 80%;
}

p{
  padding-bottom: 50px;
  font-size: 24px;
}

.topic-R a {
  color: #ffffff;
  border: 2px solid #ffffff;
  font-size: 24px;
  padding: 14px 70px;
  border-radius: 20px;
  margin-top: 1px;
  transition: 0.4s;
```

```
background-color: #a3a3a385;
margin-bottom: 20px;
text-decoration: none;
}

.topic-R a:hover {
background-color: #767676;
color: #000000;
opacity: 60%;
}

.topic {
color: var(--white);
background-color: var(--black);
text-align: center;
justify-content: center;
padding: 2%;
font-size: var(--header4);
}

.description-container {
position: relative;
}

.container {
height: 50vh;
padding: 0 5%;
column-gap: 5%;
}

.container img {
width: 40%;
box-shadow: 10px 10px 5px var(--black);
}

.text {
color: var(--white);
text-align: justify;
font-size: 25px;
}

.sub-topic {
font-size: 30px;
margin-left: 100px;
padding: 20px;
color: var(--white);
}

.name {
font-size: 20px;
```



```
    color: var(--white);
}

.albumbs img {
    width: 200px;
    height: 250px;
    padding: 20px 20px 20px 0;
}

.albumbs {
    background-color: var(--30color);
}

.album1 {
    background-image: linear-gradient(rgba(0, 0, 0, 1), rgba(0, 0, 0, 0.2)),
url(../Img/mgp1.jpg);
    background-size: contain;
}

.album2 {
    background-image: linear-gradient(rgba(0, 0, 0, 1), rgba(0, 0, 0, 0.2)),
url(../Img/froza1.png);
    background-size: contain;
}

.album3 {
    background-image: linear-gradient(rgba(0, 0, 0, 1), rgba(0, 0, 0, 0.2)),
url(../Img/nfs.jpg);
    background-size: contain;
}

.album4 {
    background-image: linear-gradient(rgba(0, 0, 0, 1), rgba(0, 0, 0, 0.2)),
url(../Img/f122.png);
    background-size: contain;
}

.album5 {
    background-image: linear-gradient(rgba(0, 0, 0, 1), rgba(0, 0, 0, 0.2)),
url(../Img/THE.png);
    background-size: contain;
}

.album6 {
    background-image: linear-gradient(rgba(0, 0, 0, 1), rgba(0, 0, 0, 0.2)),
url(images/additional-page-images/52168.jpg);
    background-size: contain;
}
```

```

.album:hover {
  transform: translate(-20px);
  box-shadow: 0 0 20px var(--10color);
  transition: all 0.3s;
}

.album {
  display: inline-table;
  width: 200px;
  height: 250px;
  border: .5px rgb(226, 226, 226) solid;
  border-radius: 4px;
  padding: 15px 25px;
  margin: 20px 20px 0px;
  background-position: center;
  background-size: cover;
  transition: transform .8s;
  margin-bottom: 5%;
  box-shadow: 0 0 30px var(--60color);
}

```

We created the page editor using JavaScript. Its html part is included in each code and below is the JavaScript part. Code:

```

// -----Script for editors panel-----//

var sidePanel = document.getElementsByClassName("dev")[0];

var editorPanelLeft = window
  .getComputedStyle(sidePanel, null)
  .getPropertyValue("left");

// Function to open editor panel

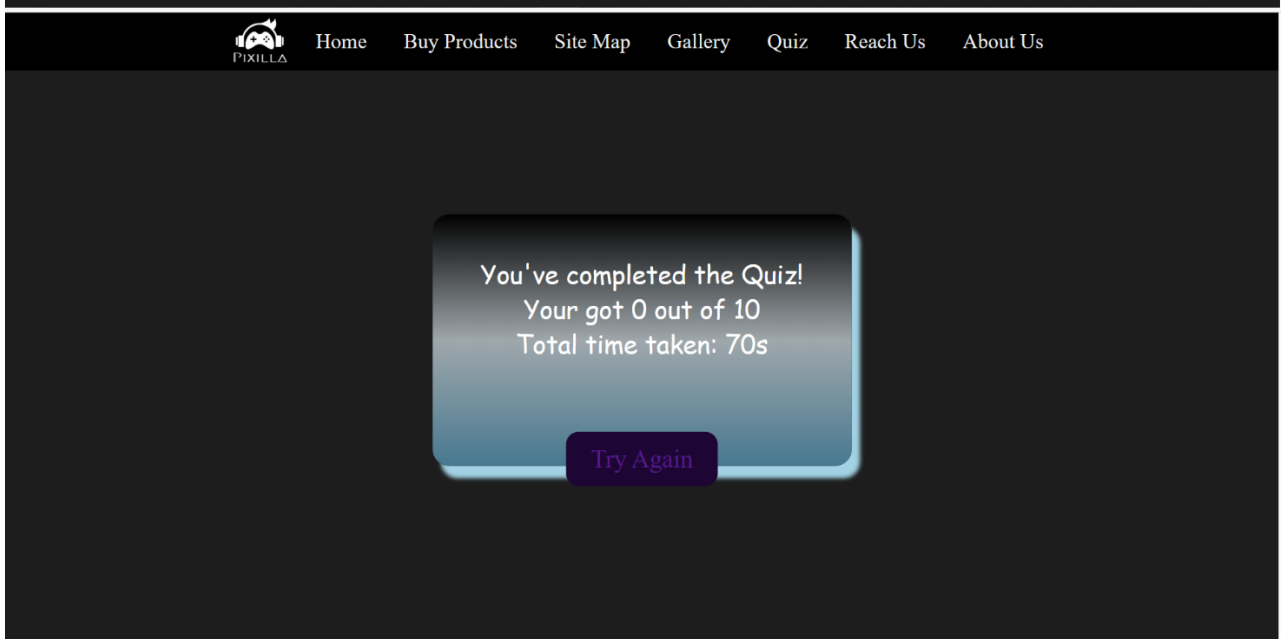
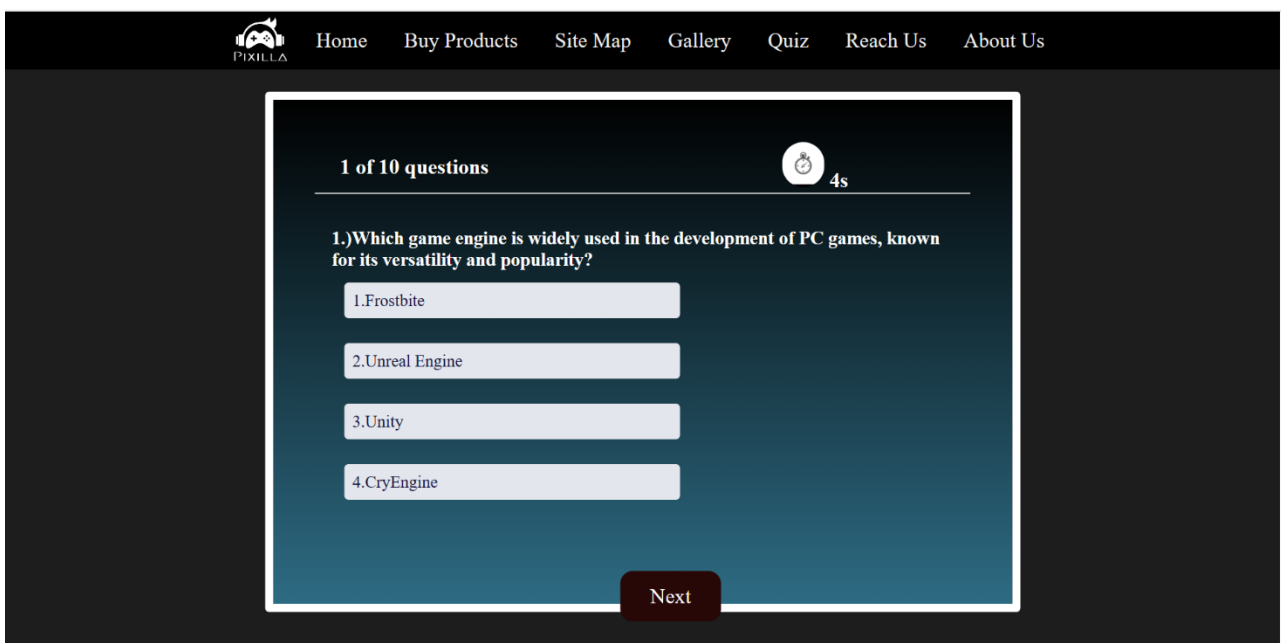
document.getElementsByClassName("view-editor")[0].addEventListener("click", () => {
  sidePanel.style.left = "0px";
  sidePanel.style.opacity = "1";
});

// Function to close editor panel
document.getElementsByClassName("panel-close")[0].addEventListener("click", () => {
  sidePanel.style.left = editorPanelLeft;
  sidePanel.style.opacity = "0";
});

```

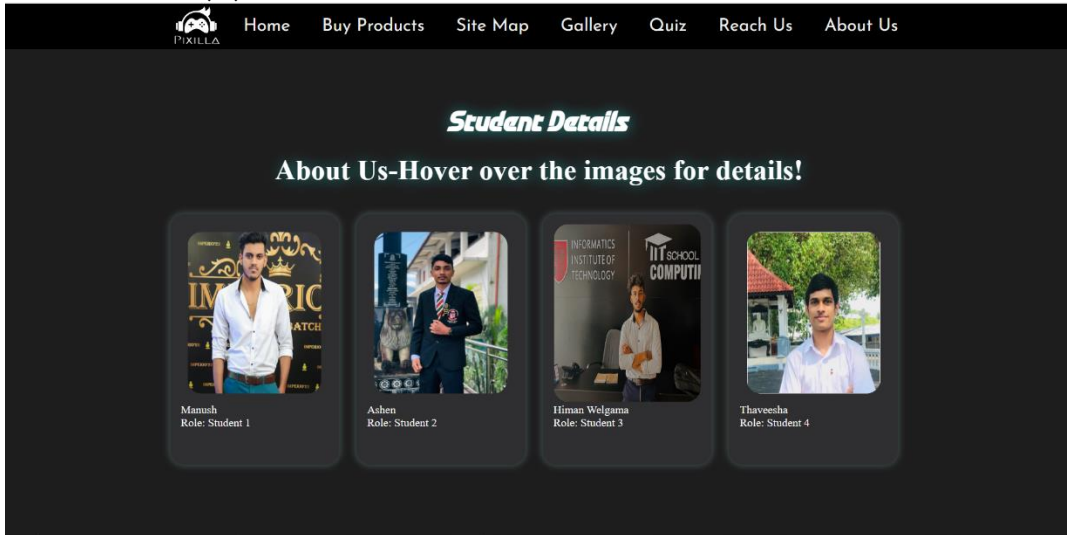
Appendix B: Screenshots Provide a screenshot of all your web pages, in the following format:

- Filename: GamingQuiz.html
- Screenshot

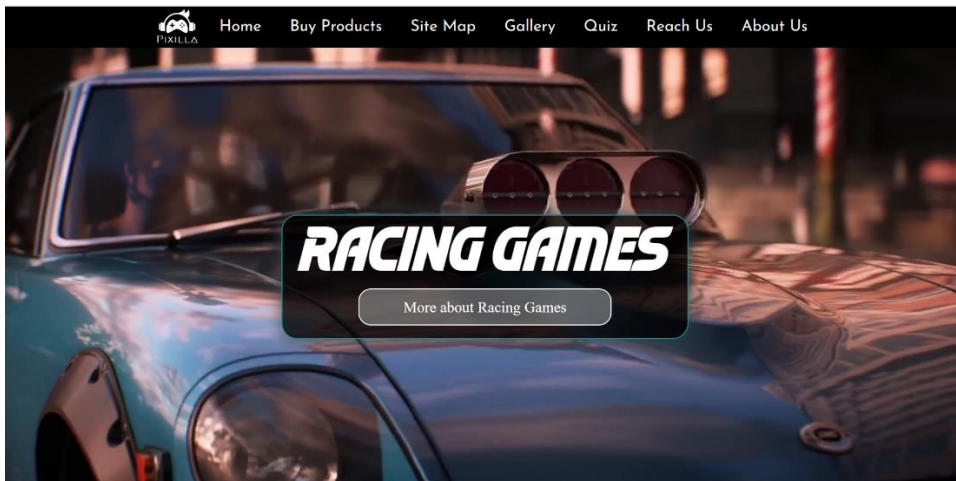


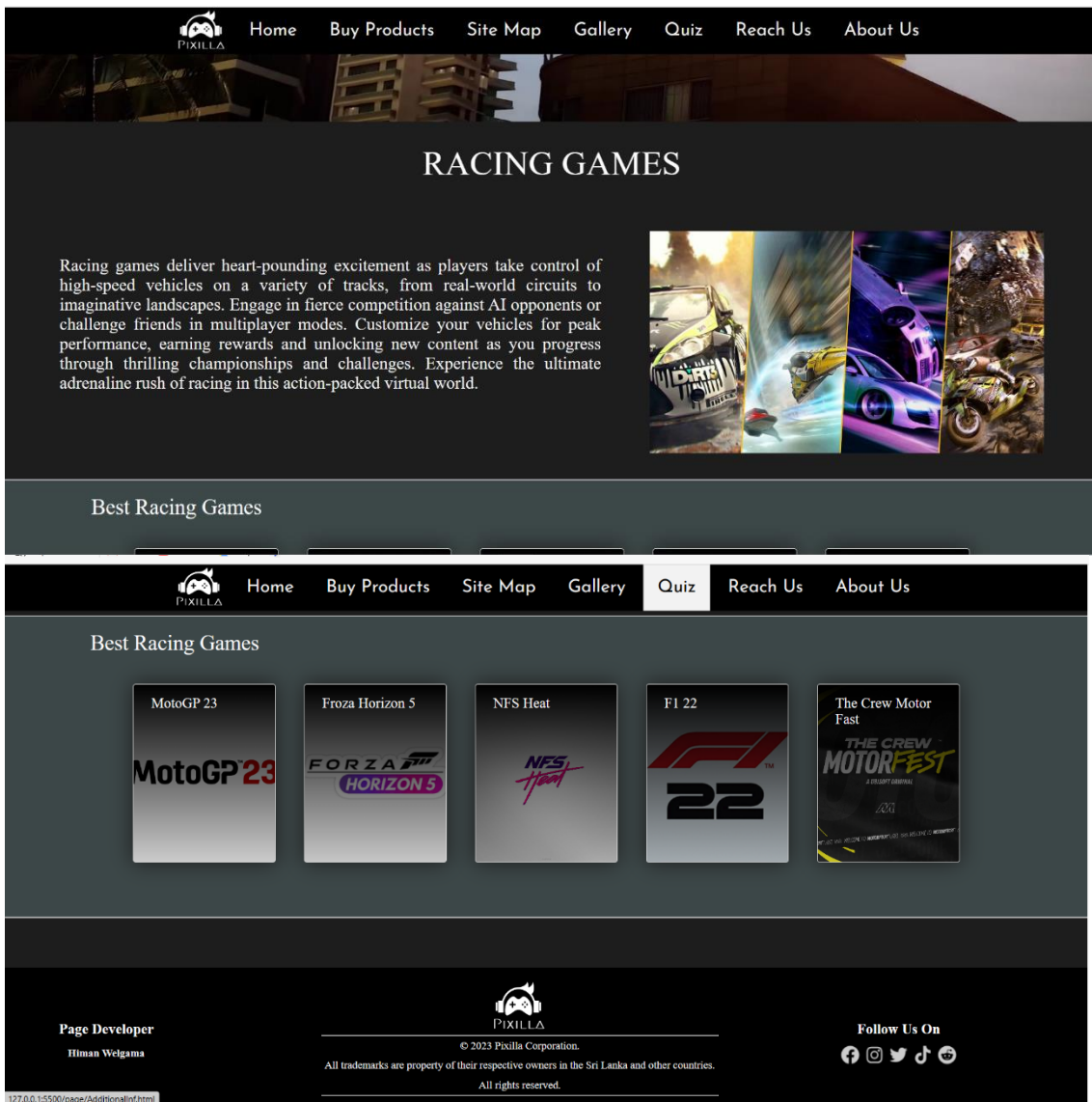


- Filename: StudentDetail.html
- Screenshot(s)

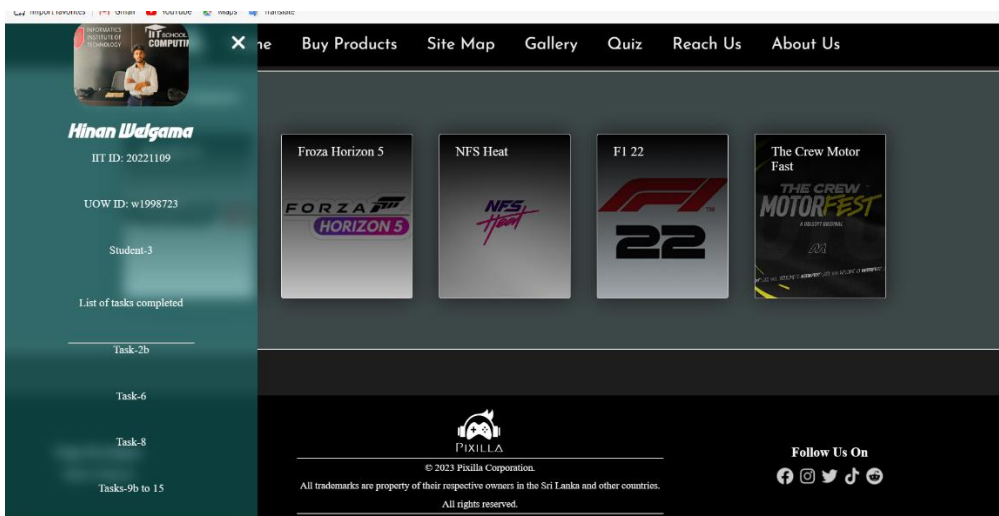


- Filename: AdditionalGaming.html
- Screenshot(s)



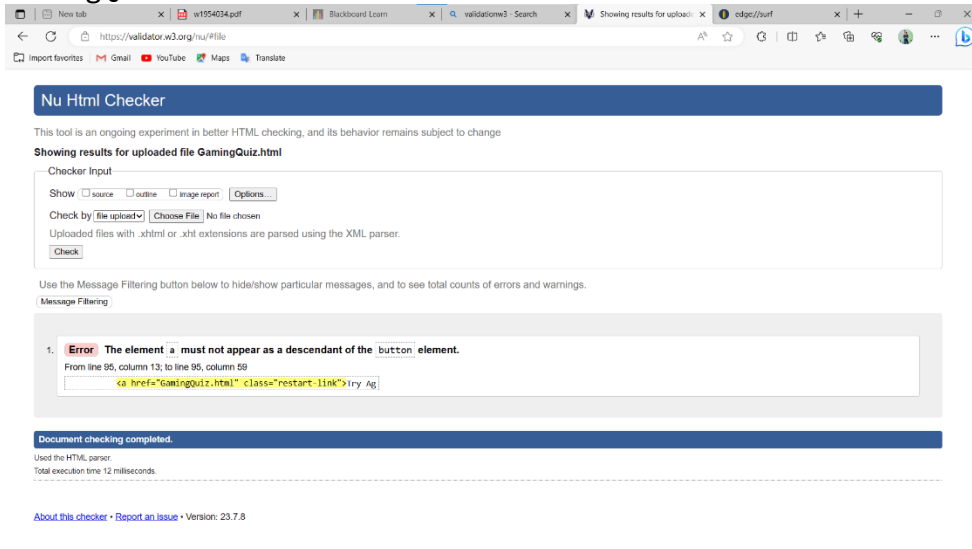


- page editor
- Screenshot(s)

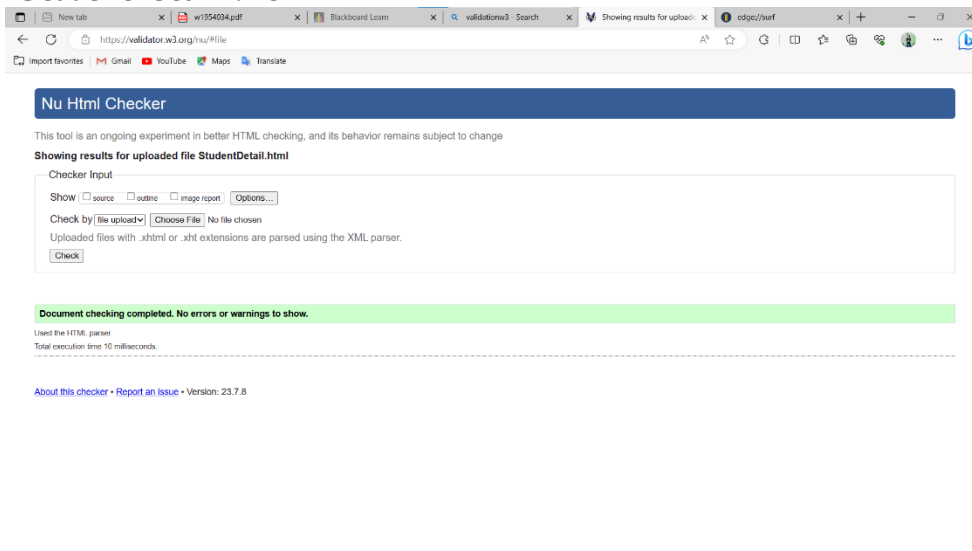


Appendix C: Screenshots - Webpage Validation Evidence

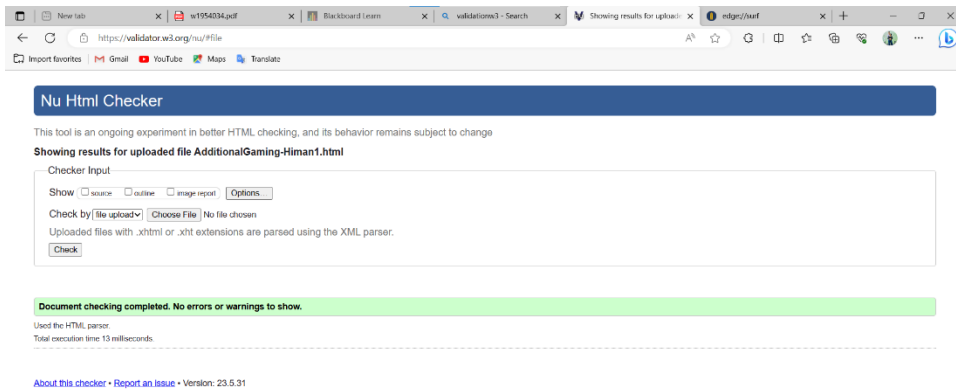
GamingQuiz.html



StudentDetail.html



AdditionalGaming.html



D: Individual Statement

Student Name:	Himan Welgama	Student Id:	20221109 W1998723
State what tasks you carried out in the project.			
<p>Created the presentation page, Store and additional page.</p> <p>Created the additional page.</p> <p>I used HTML, JavaScript, and CSS to create, design and script the buy products page.</p> <p>I contributed to the Main page and side panel creation.</p>			
State what you enjoyed and did not enjoy about teamwork.			
<p>appreciated working with others and having their support.</p> <p>I enjoyed the teamwork.</p>			
State what you learnt about teamwork.			
<p>To effectively complete the task at hand, be aware of each other's advantages and disadvantages.</p> <p>I gained knowledge about crucial communication techniques including effective speaking and active listening.</p> <p>Problem-solving</p> <p>I learned how to manage time.</p>			
State what skills you gained/learnt from undertaking the project.			

HTML
CSS
JavaScript

State any strengths about yourself that emerged whilst undertaking the project.

Adaptability
Self-confidence
Self-learn

State any weaknesses about yourself that emerged whilst undertaking the project.

Time management

State how you would do things better if you were to undertake the project again.

I will start the project as soon as possible.
I will give more effort than this next time.

Student Name:	Himan Welgama	Student Id:	20221109 W1998723
Additional general or project specific comments:			
Because of the extended deadline we got some time to do our project properly			

Appendix E: Task Completion Checklist

Student 3 Tasks	Completed			Student Comments
	Yes	No	Partially	
2a - Main (Home) Page	Yes			Created quiz with a timer
6 - Quiz	Yes			Linked with other pages
8 - Student details	Yes			Linked to the web page as required
9b - External CSS (9a reused)	Yes			Linked it to the main page
10 - Extra content page/anchors	Yes			Added to every page
11 - Page Editor	Yes			Linked to the main page
12 - Logo/Page Editor	Yes			
13 - Additional Interactivity	Yes			Updated and linked all the file
14 - Uploaded to Server		NO		

