Web Design and Development
4COSC011W

Report

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Group D4
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Link(s) to WebSite

URLs:

General - https://w1809994.users.ecs.westminster.ac.uk/

Quiz - https://w1809994.users.ecs.westminster.ac.uk/quiz.html

Student Details - https://w1809994.users.ecs.westminster.ac.uk/studentDetails.html

Page Editor - https://w1809994.users.ecs.westminster.ac.uk/pageEditor.html

1. Introduction

| Team Members	Tasks
Noorul Amaanie Yoosuf	Student I
Dankoluwage Minoshi Dulanji	Student II
Rusini Thara Gunarathne	Student III
Mohammed Amjad Rafi	Student IV

The topic of our website is music and the title we chose was Retro Studios.

2. Technical Discussion

Quiz

The goal of this was to get an interactive multiple-choice quiz done about the subject of music with certain limitations. At first, when the user gets directed to the quiz page it is going to load a confirm box with two options namely as Cancel and OK.

When the user clicks OK the quiz with a total of 10 questions will be loaded into the page along with the instructions and a timer counting down from 60 seconds.
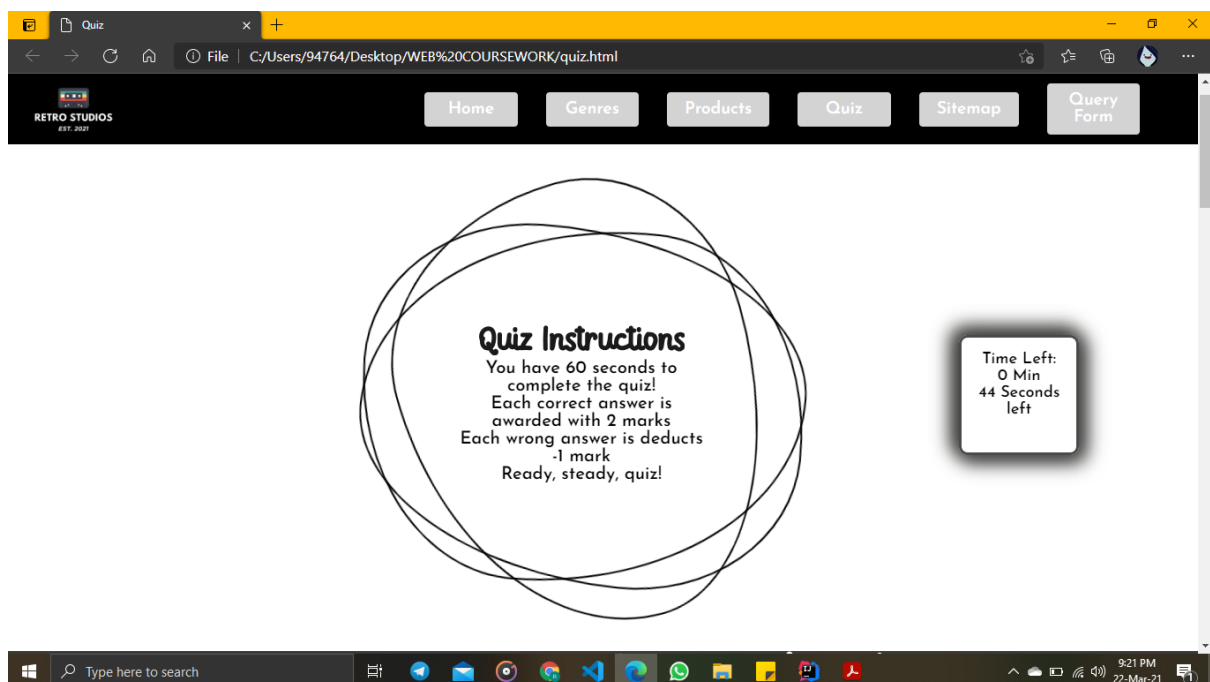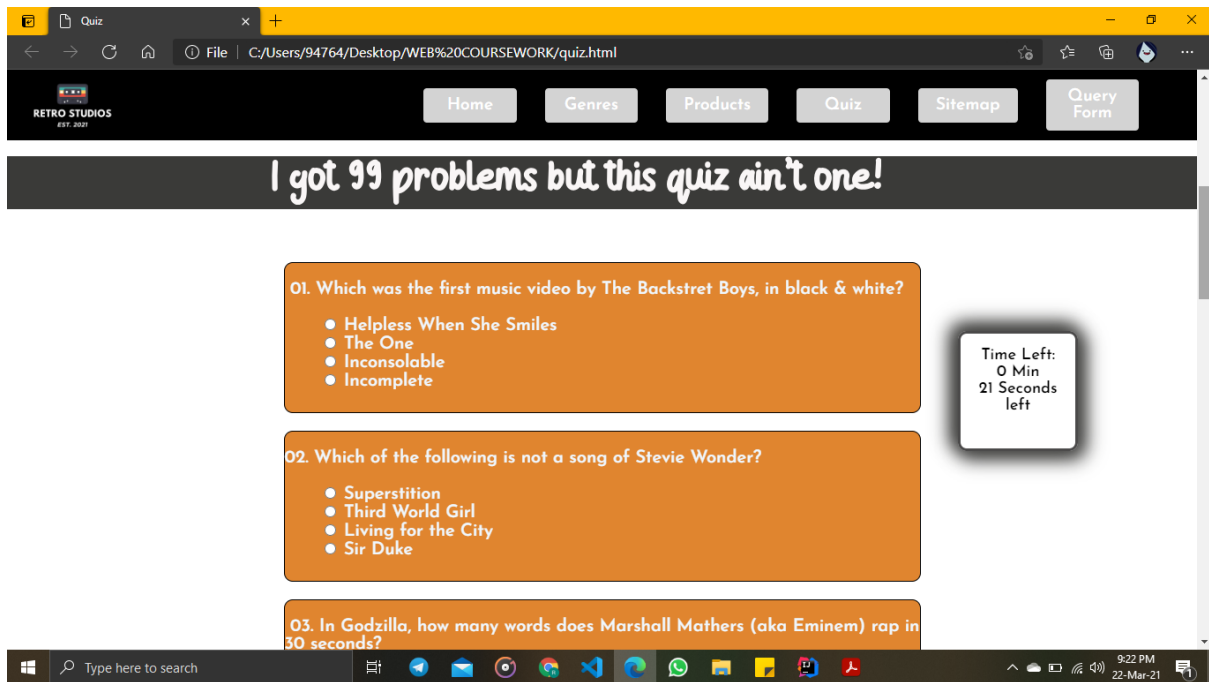
Used JavaScript to get the quiz displayed by giving the confirming button a Boolean value of true and if the user clicks it, the if condition becomes true and the function for displaying the quiz will get called.

```
1    var con =confirm("LET'S GET GROOVY!") //a confirm box will appear as the first thing
2        if (con==true){
3            displayQuiz()//if user clicks 'OK', the quiz will load
4        }
5
6    //display the quiz
7    function displayQuiz(){
8        var x = document.getElementById("Container1");
9        console.log(x.style.display)
10       x.style.display = "block"; //display the quiz
11       console.log(x.style.display)
12       document.getElementById("timer").style.display="block";
13
14       time = setInterval(myTimer, 1000); //call function of timer with milliseconds
15   }
```

The timer will stay fixed around the right corner of the web page when scrolling the page.

When the user scrolls from the top of the quiz page a button will appear around the right corner from the fifth question onwards to the footer which is linked to the header image of the quiz using anchors. Clicking this button, the user will be directed to the first question of the quiz.
The addEventListener() method from the document object model was used to add a scroll event listener.

```
184
185     // function for scroll
186     window.addEventListener("scroll",scrollfun); //using DOM
187
188     function scrollfun(){
189         let backtotop = this.document.getElementById("top_scroll")
190         if (document.documentElement.scrollTop > 1200) {
191             backtotop.style.display = "block";
192         } else {
193             backtotop.style.display = "none";
194         }
195     }
196
```

After the user submits the quiz clicking the submit button the timer will freeze and the div with the id showAnswer will get loaded into the page and it will display how you have attempted each question.

As per request, used radio buttons for the multiple choices with the pre-defined JavaScript function getRadioValue(). The code snippet below is used to check whether if any of the radio buttons are selected and returns their value and if none of the radio buttons are selected the score is null and a value of 0 is given in such cases to ensure that no minus marks are given.

```
53     // get each answer score for each question
54     function getRadioValue (qName) {
55         var radioArray = document.getElementsByName(qName);
56         for (var j = 0, length = radioArray.length; j < length; j++) {
57             if (radioArray[j].checked) {
58     // answer is saved with the checked value
59                 var answerValue = Number(radioArray[j].value);
60             }
61             radioArray[j].disabled = true;
62         }
63         // if nothing is selected its null so we give ita value of 0
64         if (isNaN(answerValue)) {
65             answerValue = -1;
66         }
67         return answerValue;
68     }
69
70
71     // calculate score with getRadioValue function
72         let qname=["q1","q2","q3","q4","q5","q6","q7","q8","q9","q10"]
73         var calcScore
74         for(var i=0; i<10; i++){
75             calcScore=getRadioValue(qname[i])//returns the answer value
76             console.log(calcScore)
77             //the calling of getRadioValue fuction and it will asign a value for calcscore
78             score=calcScore+score
79         }
```

The results of each question are shown inside separate divs. And the marks out of 20 in the fraction form are displayed at the end as a summary along with two buttons to play again and show the answers. Each div will be in Scarlet Orange if the user got it wrong displaying the correct answer, and will be in Corn Orange if it's correct.

In line 43 of the code snippet below, by window.location object it sets the new location of the current window which is a div, and lines 42 and 44 ensures that only the showAnswer div is loaded and not the div with id Container1.

```
35
36      //quiz subimission
37    ⊟function submitQuiz() {
38          var score = 0
39          //if submited the time should freeze
40          clearInterval(time);
41
42          document.getElementById("showAnswer").style.display="block"
43          window.location = '#showAnswer';
44          document.getElementById("Container1").style.display = "none";
45
46
47      //display the answer
48    ⊟document.getElementById("show").addEventListener("click",function(){
49          document.getElementById("Container1").style.display = "block";
50          document.getElementById("submitButton").style.display = "none";
51    └});
52
```

If the score is greater than 10 the background color of the showAnswer div container will be Bahia and if false where the score is less than 10 the background color will be East Bay.
At the end of the page, two responsive buttons namely Play Again and Show Answer will be available.

The Play Again button when clicked reloads or refreshes the page for the user to try again.
The Show Answer button when clicked will make the back-to-question1 button appear along with the selected answers for the questions before submission and clicking that the user can reach the top
Another div will summarize the users' attempts with a score given out of 20 since each correct question is awarded 2 marks and each wrong answer deducts a mark from the total points gotten from the correct answers.

Every correct answer to each question holds two marks and every wrong answer holds a minus mark.
For instance, if the user gets half correct and half wrong the final score will be only 5 since the addition of minus marks gets deducted from the addition of the marks of correct questions.
The score of the user is shown as a fraction out of the maximum mark which is 20.
If the score is less than 0 which is a minus mark the value of this score will get overwritten to 0.

```
164
165    // show the marks as a fraction
166 ⊟     if (score < 0){
167           score = 0;
168  └     }
169        var showScore ="Your Score: " + score +"/" + maxMarks+" & you have completed the quiz in "+(59 - Math.floor(seconds))+" seconds.";
170
171    //if all correct answers it will display this
172 ⊟     if (score === maxMarks) {
173           showScore = showScore + "  <strong>  GREAT, You're a hardcore music enthusiast!</strong>";
174  └     }
175        document.getElementById('userScore').innerHTML = showScore;
176
177    //the background color of the showAnswer div will change according to the score
178 ⊟     if(score>10){
179           document.getElementById("showAnswer").style.backgroundColor="rgba(138,214,34,0.9)"
180        }else{
181           document.getElementById("showAnswer").style.backgroundColor="rgba(76, 81, 109,0.9)"
182  └     }
183 └}
```

If the quiz is not completed within the period of 60 seconds a confirm box with only the option of OK will pop up at the top of the page displaying that the time is up and the page will freeze. After the user clicks the OK in the alert box the page will automatically submit what you have completed in the quiz. And the summary will be shown as explained before.

6

Student Details

The student details page is designed in a way that the four members are fitted into a row. Whenever the user hovers over any image the details of the respective member are displayed on the card. The JavaScript function below ensures that only when the user hovers over an image the details are displayed.

```
125    <script>
126
127    //function to enable the details are only displayed when hovered over the image
128    onload = () => {
129      document.querySelectorAll('.imgBx img').forEach(img => {
130      img.onmouseover = overImg; //sets custom class on parent node
131      img.onmouseout = outImg; // removes custom class from parent node
132      })
133
134      //when hovered over the image
135      function overImg() {
136        this.parentNode.classList.add('over');
137      }
138      function outImg() {
139        this.parentNode.classList.remove('over');
140      }
141    };
142
143      // function for scroll
144      window.addEventListener("scroll",scrollfun); //using DOM
145
146      function scrollfun(){
147      let backtotop = this.document.getElementById("top_scroll")
148        if (document.documentElement.scrollTop > 200) {
149          backtotop.style.display = "block";
150        }else {
151          backtotop.style.display = "none";
152        }
153      }
154
155    </script>
```

The querySelectorAll() method selects all the elements with the class imgBx and accesses the images.
In lines 130 and 131, we define onmouseover and onmouseout to images to set/remove the custom class on the parent node which is the easiest fix to make work the expected behavior.

And lastly, the back-to-top button is set to appear when the user scrolls down the webpage using the function scrollfun().

A back-to-top button will appear when the user scrolls down and when clicked it will be directed to the top of the page.

Page Editor

The profile card was designed following the concept of Glassmorphism which blurs the area behind the container.
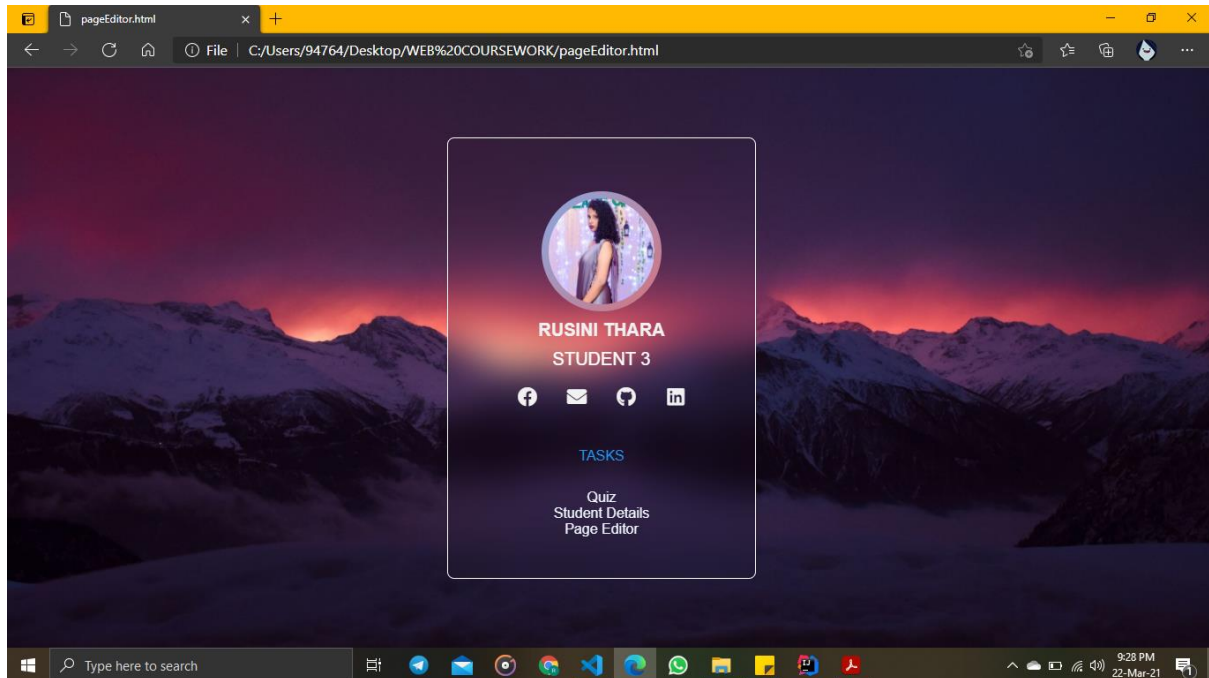
For extra responsiveness added social media icons linking the font-awesome icon set.
A row of four icons will be displayed right after the student role and when each icon is clicked the user will get directed to the account of the student of the respective social media platform.
The header for tasks was styled using the transition property and the hovering effect available in CSS.

Once the page editor is loaded a centered profile card will be displayed on the page which contains the image, name, role, and the set of tasks completed by the student.
Around the image, there will be an animated border with two colors this was accomplished using CSS @keyframes rule.

```
56
57  @keyframes animated-gradient{ /*changes style of animation in percentages*/
58      25%{
59          background-position: left bottom;
60      }
61      50%{
62          background-position: right bottom;
63      }
64      75%{
65          background-position: right top;
66      }
67      100%{
68          background-position: left top;
69      }
70  }
```

(996 words)

3. Janet

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(159 words)

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Appendices

Appendix A: Code

Quiz

Filename – quiz.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Quiz</title>
   <link rel="preconnect" href="https://fonts.gstatic.com">
   <link href="https://fonts.googleapis.com/css2?family=Josefin+Sans:wght@600&display=swap" rel="stylesheet">
   <link rel="stylesheet" href="styleQuiz.css">
   <link rel="stylesheet" href="external.css">
</head>

<body>

<!--code snipet containing the codes for the navigation bar-->
<nav class="navbar">
  <!--add image logo to nav bar-->
  <div class="logo">
   <img src="logo.jpg" alt="">
  </div>
  <!--code where the buttons and logo is placed-->
  <div class="navbar_container">
   <div class="navbar_toggle">
    <span class="bar"></span>
    <span class="bar"></span>
    <span class="bar"></span>
   </div>
   <!--
the menu to the naviagtaion bar that contains the buttons and links to other web pages-->
   <ul class="navbar_menu">
    <!--buttons that link webpages together-->
    <li class="navbar_btn">
     <a href="https://w1809953.users.ecs.westminster.ac.uk/main.html" class="button">Home</a>
    </li>
    <li class="navbar_btn">
     <a href="https://w1809993.users.ecs.westminster.ac.uk/thumbnail.html" class="button">Genres</a>
    </li>
    <li class="navbar_btn">
```

```
    <a href="https://w1809992.users.ecs.westminster.ac.uk/buy_products.html" class="butt
on">Products</a>
    </li>
    <li class="navbar_btn">
     <a href="https://w1809994.users.ecs.westminster.ac.uk/quiz.html" class="button">Quiz
</a>
    </li>
    <li class="navbar_btn">
     <a href="https://w1809993.users.ecs.westminster.ac.uk/Sitemap.html" class="button">
Sitemap</a>
    </li>
    <li class="navbar_btn">
     <a href="https://w1809953.users.ecs.westminster.ac.uk/form.html" class="button">Quer
y Form</a>
    </li>
   </ul>
  </div>
</nav>


    <div id="timer"></div>
    <div id="Container1" style="display: none;"><!--
container with the instructions and question set-->

    <br><br><br>
    <div id="square"> <!--animated div containing the instructions-->
     <span></span>
     <span></span>
     <span></span>
     <ul class="instructions">
      <li><img src="letter.png" alt="quiz_instructions_header"></li> <!--
header of the instruction set-->
      <li>You have 60 seconds to complete the quiz!</li> <!--set of instructions-->
      <li>Each correct answer is awarded with <strong>2 marks </strong></li>
      <li>Each wrong answer is deducts <strong>-1 mark</strong></li>
      <li>Ready, steady, quiz!</li>
     </ul>
    </div>
    <br><br><br><br>

    <div class="image">
     <img src="header.png" alt="quiz_heading" class="quizy" id="starting"> <!--
header image of the quiz-->
    </div>
    <br><br><br>

    <form name="form" class="form" ><!--form with the questions and the submit button-->

        <div class='question1' > <!--div with question and the multiple choices-->

          <p class="question" id="startPoint"> 01. Which was the first music video
by The Backstret Boys, in black & white?</p>

          <p class="option">
          <input class="answer" type="radio" name="q1" value="2" id="q11">
```

```
<label for="q11" id="correct1">Helpless When She Smiles</label>
<br>
<input class="answer" type="radio" name="q1" value="-1" id="q12">
<label for="q12">The One</label>
<br>
<input class="answer" type="radio" name="q1" value="-1" id="q13">
<label for="q13">Inconsolable</label>
<br>
<input class="answer" type="radio" name="q1" value="-1" id="q14">
<label for="q14">Incomplete</label>
</p>
</div><br>

<div class='question2'>
<p class="question">02. Which of the following is not a song of Stevie Wonder?</p>

<p class="option">

<input class="answer" type="radio" name="q2" value="-1" id="q21">
<label for="q21">Superstition</label>
<br>
<input class="answer" type="radio" name="q2" value="2" id="q22">
<label id="correct2" for="q22">Third World Girl</label>
<br>
<input class="answer" type="radio" name="q2" value="-1" id="q23">
<label for="q23">Living for the City</label>
<br>
<input class="answer" type="radio" name="q2" value="-1" id="q24">
<label for="q24">Sir Duke</label>
</p>
</div><br>

<div class='question3'>
<p class="question"> 03. In Godzilla, how many words does Marshall Mathers (aka Eminem) rap in 30 seconds?</p>

<p class="option">
<input class="answer" type="radio" name="q3" value="-1" id="q31">
<label for="q31">301</label>
<br>
<input class="answer" type="radio" name="q3" value="-1" id="q32">
<label  for="q32">256</label>
<br>
<input class="answer" type="radio" name="q3" value="-1" id="q33">
<label for="q33">325</label>
<br>
<input class="answer" type="radio" name="q3" value="2" id="q34">
<label  id="correct3" for="q34">224</label>
</p>
</div><br>

<div class='question4'>
<p class="question"> 04. Who is/are the first Sri Lankan artist/s to secure a music publishing contract under Universal Music Publishing?</p>
```

12

```
<p class="option">
<input class="answer" type="radio" name="q4" value="-1" id="q41">
<label for="q41">Umaria Sinhawansa</label>
<br>
<input class="answer" type="radio" name="q4" value="2" id="q42">
<label id="correct4" for="q42">Bathiya and Santhush</label>
<br>
<input class="answer" type="radio" name="q4" value="-1" id="q43">
<label for="q43">Iraj Weeraratne</label>
<br>
<input class="answer" type="radio" name="q4" value="-1" id="q44">
<label for="q44">Asanthi De Alwis</label>
</p>
</div><br>

    <div class='question5'>
        <p class="question"> 05. What was the name of the band Brian May and Roger Taylor played in before Queen?</p>
            <p class="option">
            <input type="radio" class="answer" name="q5" value="-1" id="q51">
            <label for="q51">King</label>
            <br>
            <input type="radio" class="answer" name="q5" value="2" id="q52">
            <label id="correct5" for="q52">Smile</label>
            <br>
            <input type="radio" class="answer" name="q5" value="-1" id="q53">
            <label for="q53">High Barnet</label>
            <br>
            <input type="radio" class="answer" name="q5" value="-1" id="q54">
            <label for="q54">Computer Killers</label>
            </p>
    </div><br>

    <div class='question6'>
        <p class="question"> 06. In 2012, who the Indian singer who was ranked number 10 in Outlook India's poll of the Greatest Indian?</p>
            <p class="option">
            <input type="radio" class="answer" name="q6" value="-1" id="q61">
            <label for="q61">Sonu Nigam</label>
            <br>
            <input type="radio" class="answer" name="q6" value="-1" id="q62">
            <label for="q62">Kishore Kumaron</label>
            <br>
            <input type="radio" class="answer" name="q6" value="-1" id="q63">
            <label for="q63">Asha Bhonsle</label>
            <br>
            <input type="radio" class="answer" name="q6" value="2" id="q64">
            <label id="correct6" for="q64">Lata Mangeshkar</label>
            </p>
    </div><br>

    <div class='question7'>
        <p class="question"> 07. When was the first Grammy awarded?</p>
            <p class="option">
            <input type="radio" class="answer" name="q7" value="2" id="q71">
```

13

```
         <label id="correct7" for="q71">1956</label>
         <br>
         <input type="radio" class="answer" name="q7" value="-1" id="q72">
         <label for="q72">1968</label>
         <br>
         <input type="radio" class="answer" name="q7" value="-1" id="q73">
         <label for="q73">1971</label>
         <br>
         <input type="radio" class="answer" name="q7" value="-1" id="q74">
         <label for="q74">1945</label>
       </p>
   </div><br>

      <div class='question8'>
        <p class="question"> 08. In which country is the world's largest physical mu
sic market at?</p>
           <p class="option">
           <input type="radio" class="answer" name="q8" value="-1" id="q81">
           <label for="q81">South Korea</label>
           <br>
           <input type="radio" class="answer" name="q8" value="-1" id="q82">
           <label for="q82">United States</label>
           <br>
           <input type="radio" class="answer" name="q8" value="2" id="q83">
           <label id="correct8" for="q83">Japan</label>
           <br>
           <input type="radio" class="answer" name="q8" value="-1" id="q84">
           <label for="q84">Germany</label>
         </p>
      </div><br>

      <div class='question9'>
        <p class="question"> 09. Which of the following is not a record label in K-
POP?</p>
           <p class="option">
           <input type="radio" class="answer" name="q9" value="-1" id="q91">
           <label for="q91">YG Entertainment</label>
           <br>
           <input type="radio" class="answer" name="q9" value="2" id="q92">
           <label id="correct9" for="q92">MOA Entertainment</label>
           <br>
           <input type="radio" class="answer" name="q9" value="-1" id="q93">
           <label for="q93">JYP Entertainment</label>
           <br>
           <input type="radio" class="answer" name="q9" value="-1" id="q94">
           <label for="q94">Cre.ker Entertainment</label>
         </p>
      </div><br>

      <div class='question10'>
        <p class="question"> 10. Which of the following is not a British rock band?</
p>
           <p class="option">
           <input type="radio" class="answer" name="q10" value="-1" id="q101">
           <label for="q101">Pink Floyd</label>
```

```
        <br>
        <input type="radio" class="answer" name="q10" value="-1" id="q102">
        <label for="q102">Joy Division</label>
        <br>
        <input type="radio" class="answer" name="q10" value="-1" id="q103">
        <label for="q103">The Kinks</label>
        <br>
        <input type="radio" class="answer" name="q10" value="2" id="q104">
        <label id="correct10" for="q104">Aerosmith</label>
      </p>
    </div><br>

      <div class="submitter">
       <!--this.disable will make the form only submit once-->
       <input class="content_button" id="submitButton" onClick="submitQuiz();this.disabl
ed = true;" type="button" value="Submit"/>
      </div>
      <br><br><br><br>
    </form>
   </div>
   <br><br><br>

   <div id="showAnswer" style="display: none;"> <!--
shows which answers are correct and wrong of the attempted questions-->
     <img src="summary.png" alt="summary_header" id="summary">
     <div class="quizAnswers" id="correctAnswer1"></div>
     <div class="quizAnswers" id="correctAnswer2"></div>
     <div class="quizAnswers" id="correctAnswer3"></div>
     <div class="quizAnswers" id="correctAnswer4"></div>
     <div class="quizAnswers" id="correctAnswer5"></div>
     <div class="quizAnswers" id="correctAnswer6"></div>
     <div class="quizAnswers" id="correctAnswer7"></div>
     <div class="quizAnswers" id="correctAnswer8"></div>
     <div class="quizAnswers" id="correctAnswer9"></div>
     <div class="quizAnswers" id="correctAnswer10"></div>

    <div class="quizScore"> <!--displays the score-->
      <p id="userScore"></p>
    </div>

    <!--button to refresh the page-->
    <input type="button" value="Play Again" onclick="location.reload();" class="content_but
ton" id="resetButton">

    <!--show quiz button-->
    <input type="button" value="Show Answer" class="content_button" id="show">

   </div>

   <a href="#starting"><img src="arrow.png" alt="back to top " id="top_scroll"></a>  <!--
back to first question button-->


  <!--code to the page editor-->
  <div class="editor_container">
```

```html
    <div class="editor">
      <a href = "https://w1809994.users.ecs.westminster.ac.uk/pageEditor.html">Page Editor
</a>
     </div>
    </div>


    <!--
the footer contains the code to the footer of the web page as well as the student details-->
    <div class="footer_container">
      <div class="footer_links">
       <div class="logo">
        <img src="logo.jpg" alt="web_page_logo">
       </div>
       <div class="footer_link-wrapper">
        <div class="footer_link-items">
          <h2>About Us</h2>
          <ul><li class="footer_btn1">
           <a href="https://w1809994.users.ecs.westminster.ac.uk/studentDetails.html" class=
"button1">Student Details</a>
          </li>
          </ul>
         </div>
        </div>
       </div>
     </div>

     <script src="quiz.js"></script>
</body>
</html>
```

Filename – styleQuiz.css

```css
body{
  color:aliceblue;
  box-sizing: border-box;
  font-family: 'Josefin Sans', sans-serif;
  font-size: 20px;
  margin: 0%;
}

.question1, .question2, .question3, .question4, .question5,
.question6, .question7, .question8, .question9, .question10{
  text-align: center;
  border: 1px solid black;
  border-radius: 10px;
  margin-top: 5px;
  margin-left: 15%;
  margin-right: 15%;
  margin-bottom: 5px;
  padding-bottom: 5px;
  position: relative;
  top: 30%;
  margin: 0 auto;
  max-width: 720px;
  text-align: justify;
  background-color:rgb(224, 133, 47) ;
}

#square{ /*styling for the quiz instructions*/
  position: relative;
  width: 400px;
  height: 400px;
  display: flex;
  justify-content: center;
  align-items: center;
  padding-left: 50px;
  padding-right: 50px;
  margin-left: 400px;
  margin-right: 400px;
  margin-top: 70px;
}

#square span:nth-child(1){ /*number of the child of its parent*/
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  border: 2px solid rgb(0, 0, 0);
  border-radius: 38% 62% 63% 37% / 41% 44% 56% 59%; /*defines the radius of the border
as percentage*/
  transition: 0.5s;
```

```css
  animation: animate 6s linear infinite;
}

#square:hover span:nth-child(1){
  border: none;
  background: rgba(218, 146, 15, 0.8);
}

#square span:nth-child(2){
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  border: 2px solid rgb(0, 0, 0);
  border-radius: 38% 62% 63% 37% / 41% 44% 56% 59%;
  transition: 0.5s;
  animation: animate 4s linear infinite;
}

#square:hover span:nth-child(2){
  border: none;
  background: rgba(209, 111, 30, 0.8);
}

#square span:nth-child(3){
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  border: 2px solid rgb(0, 0, 0);
  border-radius: 38% 62% 63% 37% / 41% 44% 56% 59%;
  transition: 0.5s;
  animation: animate 10s linear infinite;
}

#square:hover span:nth-child(3){
  border: none;
  background: rgba(231, 88, 31, 0.8);
}

@keyframes animate{ /*animate the borders to rotate*/
0%{
  transform: rotate(0deg);
}
100%{
  transform: rotate(360deg);
}
}

@keyframes animate{
  0%{
    transform: rotate(360deg);
}
}
```

```
  100%{
   transform: rotate(0deg);
}
}

.instructions{
 position: relative;
 padding: 40px 60px;
 color:#000;
 text-align: center;
 transition: 0.5s;
 z-index: 1;
 list-style-type: none;
}

#submitButton { /*styling for submit button*/
 background-color: #d6561a;
 color: white;
 padding: 15px 32px;
 text-align: center;
 text-decoration: none;
 display: inline-block;
 font-size: 16px;
 cursor: pointer;
 margin-left: 600px;
 margin-top: 50px;
 position: relative;
 top: 30%;
 max-width: 900px;
 text-align: center;
 border-radius: 10px;
 font-weight: bold;
 box-shadow: 5px 5px 20px  black;
}

#resetButton{ /*styling for play again button*/
 position: relative;
 background-color: transparent;
 font-size: 20px;
 padding: 10px  20px;
 font-family: 'Oswald', sans-serif;
 color: white;
 border-color: transparent;
 background-color: rgba(0,0,0, 0.5);
 transition: 0.3s;
 border-radius: 10px;
 box-shadow: 5px 5px 20px  black;
 margin-left: 25%;
 margin-right: 75%;
 margin-top: 90px;
 cursor: pointer;
}

#show{ /*styling for show answer button*/
 position: relative;
```

```
    right: 8%;
    bottom: 20%;
    background-color: transparent;
    font-size: 20px;
    padding: 10px  20px;
    font-family: 'Oswald', sans-serif;
    color: white;
    border-color: transparent;
    background-color: rgba(0,0,0, 0.5);
    transition: 0.3s;
    border-radius: 10px;
    box-shadow: 5px 5px 20px  black;
    margin-top: 135px;
    margin-left: 65%;
    margin-right: 25%;
    cursor: pointer;
}

.quizy{ /*positioning for the header image of the quiz*/
    margin-left: 300px;
}

.Container1{
    position: relative;
    top: 30%;
    margin: 0 auto;
    max-width: 720px;
    text-align: center;
}

.quizAnswers{
    position: relative;
    top: 30%;
    margin: 0 auto;
    max-width: 720px;
    text-align: center;
}

#timer{ /*design and positioning of the timer */
    display: none;
    padding: 15px;
    position: fixed;
    top: 45%;
    right: 10%;
    font-size: 18px;
    color: black;
    font-weight: bold;
    float: right;
    text-align: center;
    background-color: rgba(255, 255, 255,0.9);
    border: #4b4a4a 3px solid;
    box-shadow: 5px 5px 20px 5px #474745  , -5px -5px 20px 5px #3a3a38 ;
    height: 100px;
    width: 100px;
    border-radius: 10px;
```

```css
}

#showAnswer{
  margin: 2%;
  width: 60%;
  height: 900px;
  padding: 10px;
  margin: 20%;
  margin-top: -70px;
}

#correctAnswer1,#correctAnswer2,#correctAnswer3,#correctAnswer4,#correctAnswer5,
#correctAnswer6,#correctAnswer7,#correctAnswer8,#correctAnswer9,#correctAnswer10{
  padding: 20px;
  margin-bottom: 10px;
  border-radius: 5px;
  font-size: 20px;
  justify-content: space-between;
  border:1px solid whitesmoke;
}

#top_scroll{ /*styling for the back to question 1 button*/
  z-index: 99;
  width: 50px;
  height: 50px;
  display: none;
  position: fixed;
  bottom: 20px;
  right: 30px;
  cursor: pointer;
  background-color: rgb(89, 99, 99);
  border-radius: 25px;
  transition: 0.5s;
}

#top_scroll:hover{ /*hovering effect on back to question 1 button*/
  background-color: #fda172;
  border-radius: 25px;
  transform: scale(1.1);
}

.quizScore{
  width: 50%;
  text-align: center;
  margin-top: 250px;
  padding-left: 60px;
  margin-left: 24%;
  padding: 20px;
  background-color:#e34234;
  box-shadow: 5px 5px 20px  black;
  border-radius: 5px;
}

#correctAnswer1{
  margin-top: -250px;
```

```
}

#summary{/*positioning of the header for showAnswer div*/
  margin-top: 20px;
  margin-left: 250px;

}

.image{
  background: #3a3a38;
  align-items: center;
}

.editor_container{
  border-bottom: 2px solid grey;
  border-top: 2px solid grey;
}

#userScore{ /*styling for the final score*/
  font-weight: bold;
  font-size: 30px;
}
```

Filename – quiz,js

```javascript
var con =confirm("LET'S GET GROOVY!") //a confirm box will appear as the first thing
   if (con==true){
      displayQuiz()//if user clicks 'OK', the quiz will load
   }

//display the quiz
function displayQuiz(){
   var x = document.getElementById("Container1");
   console.log(x.style.display)
     x.style.display = "block"; //display the easy quiz
     console.log(x.style.display)
     document.getElementById("timer").style.display="block";

   time = setInterval(myTimer, 1000); //call fuction of timer with millisec
}

//this is the timer
var time;
var sec = 60; //time in seconds
var min = parseInt(sec/60)   //get the minutes
var seconds = parseInt(sec%60) //get the remaining seconds
function myTimer() {
   document.getElementById('timer').innerHTML = "Time Left: <br>"+min+" Min<br>
"+seconds + " Seconds left";
   sec--;  //counting down to 0 from 60 seconds
   min = parseInt(sec/60)
   seconds = parseInt(sec%60)
   console.log(sec)
   if (sec === -1) {
      clearInterval(time); //freeze the time
      alert("Time out!!! :("); //timeout and call the submitQuiz function
      document.getElementById("submitButton").disabled = true; //disable the button if time
exceeds
      submitQuiz();
   }
}

// quiz subimission
function submitQuiz() {
   var score = 0
   //if submited the time should freeze
   clearInterval(time);

   document.getElementById("showAnswer").style.display="block"
   window.location = '#showAnswer'; // loads what's in the div with id = showAnswer
   document.getElementById("Container1").style.display = "none";


// display the answer
document.getElementById("show").addEventListener("click",function(){
```

```javascript
    document.getElementById("Container1").style.display = "block";
    document.getElementById("submitButton").style.display = "none";
});


// get each answer score for each question
    function getRadioValue (qName) {
        var radioArray = document.getElementsByName(qName);
        for (var j = 0, length = radioArray.length; j < length; j++) {
            if (radioArray[j].checked) {
             // answer is saved with the checked value
             var answerValue = Number(radioArray[j].value);
          }
          radioArray[j].disabled = true;
        }
        // if nothing is selected its null so we give it a value of 0
        if (isNaN(answerValue)) {
          answerValue = -1;
        }
        return answerValue;
    }


// calculate score with getRadioValue function
    let qname=["q1","q2","q3","q4","q5","q6","q7","q8","q9","q10"]
    var calcScore
    for(var i=0; i<10; i++){
        calcScore=getRadioValue(qname[i])//returns the answer value
        console.log(calcScore)
        //the calling of getRadioValue function and it will assign a value for calcscore
        score=calcScore+score
    }

// function to return correct answer
    function correctAnswer (correctNo, qNumber) {
        return ("The correct answer for question " + qNumber + ":  <strong>" +
          (document.getElementById(correctNo).textContent) + "</strong>");
        }
    function correct(number){
        return("Your answer for question number : "+number+" is correct! ")
        }

// print correct answers only if wrong (calls correctAnswer function)
    if (getRadioValue('q1') === -1) {
        document.getElementById('correctAnswer1').innerHTML = correctAnswer('correct1',
1);//id of div to show the correct answer
        document.getElementById('correctAnswer1').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer1').innerHTML = correct(1);
        document.getElementById('correctAnswer1').style.backgroundColor="rgb(225,173,1)"
    }
    if (getRadioValue('q2') === -1) {
        document.getElementById('correctAnswer2').innerHTML = correctAnswer('correct2', 2);
        document.getElementById('correctAnswer2').style.backgroundColor="rgb(255,36,0)"
    }else{
```

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```javascript
        document.getElementById('correctAnswer2').innerHTML = correct(2);
        document.getElementById('correctAnswer2').style.backgroundColor="rgb(225,173,1)"
    }
    if (getRadioValue('q3') === -1) {
        document.getElementById('correctAnswer3').innerHTML = correctAnswer('correct3', 3);
        document.getElementById('correctAnswer3').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer3').innerHTML = correct(3);
        document.getElementById('correctAnswer3').style.backgroundColor="rgb(225,173,1)"
    }
    if (getRadioValue('q4') === -1) {
        document.getElementById('correctAnswer4').innerHTML = correctAnswer('correct4', 4);
        document.getElementById('correctAnswer4').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer4').innerHTML = correct(4);
        document.getElementById('correctAnswer4').style.backgroundColor="rgb(225,173,1)"
    }
    if(getRadioValue('q5') === -1){
        document.getElementById('correctAnswer5').innerHTML = correctAnswer('correct5', 5);
        document.getElementById('correctAnswer5').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer5').innerHTML = correct(5);
        document.getElementById('correctAnswer5').style.backgroundColor="rgb(225,173,1)"
    }
    if(getRadioValue('q6') === -1){
        document.getElementById('correctAnswer6').innerHTML = correctAnswer('correct6', 6);
        document.getElementById('correctAnswer6').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer6').innerHTML = correct(6);
        document.getElementById('correctAnswer6').style.backgroundColor="rgb(225,173,1)"
    }
    if(getRadioValue('q7') === -1){
        document.getElementById('correctAnswer7').innerHTML = correctAnswer('correct7', 7);
        document.getElementById('correctAnswer7').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer7').innerHTML = correct(7);
        document.getElementById('correctAnswer7').style.backgroundColor="rgb(225,173,1)"
    }
    if(getRadioValue('q8') === -1){
        document.getElementById('correctAnswer8').innerHTML = correctAnswer('correct8', 8);
        document.getElementById('correctAnswer8').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer8').innerHTML = correct(8);
        document.getElementById('correctAnswer8').style.backgroundColor="rgb(225,173,1)"
    }
    if(getRadioValue('q9') === -1){
        document.getElementById('correctAnswer9').innerHTML = correctAnswer('correct9', 9);
        document.getElementById('correctAnswer9').style.backgroundColor="rgb(255,36,0)"
    }else{
        document.getElementById('correctAnswer9').innerHTML = correct(9);
        document.getElementById('correctAnswer9').style.backgroundColor="rgb(225,173,1)"
    }
    if(getRadioValue('q10') === -1){
        document.getElementById('correctAnswer10').innerHTML = correctAnswer('correct10', 10);
```

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```javascript
      document.getElementById('correctAnswer10').style.backgroundColor="rgb(255,36,0)"
   }else{
      document.getElementById('correctAnswer10').innerHTML = correct(10);
      document.getElementById('correctAnswer10').style.backgroundColor="rgb(225,173,1)"
   }

   var maxMarks = 20;


// show the marks as a fraction
   if (score < 0){
      score = 0;
   }
   var showScore ="Your Score: " + score +"/" + maxMarks+" & you have completed the quiz
in "+(59 - Math.floor(seconds))+" seconds.";

//if all correct answers it will display this
   if (score === maxMarks) {
      showScore = showScore + "  <strong>  GREAT, You're a hardcore music
enthusiast!</strong>";
   }
   document.getElementById('userScore').innerHTML = showScore;

//the background color of the showAnswer div will change according to the score
   if(score>10){

document.getElementById("showAnswer").style.backgroundColor="rgba(138,214,34,0.9)"
   }else{
      document.getElementById("showAnswer").style.backgroundColor="rgba(76, 81,
109,0.9)"
   }
}

// function for scroll
window.addEventListener("scroll",scrollfun); //using DOM

 function scrollfun(){
   let backtotop = this.document.getElementById("top_scroll")
   if (document.documentElement.scrollTop > 1200) {
     backtotop.style.display = "block";
    } else {
     backtotop.style.display = "none";
    }
}
```

Student Details

Filename – studentDetails.html (JavaScript included)

```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>Student Details</title>
    <link rel="stylesheet" href="styleStudentDetails.css">
    <link rel="stylesheet" href="main.css">
</head>
<body>

  <!--code snipet containing the codes for the navigation bar-->
  <nav class="navbar">
   <!--add image logo to nav bar-->
   <div class="logo">
    <img src="logo.jpg" alt="">
   </div>
   <!--code where the buttons and logo is placed-->
   <div class="navbar_container">
    <div class="navbar_toggle">
     <span class="bar"></span>
     <span class="bar"></span>
     <span class="bar"></span>
    </div>
    <!--
the menu to the naviagtaion bar that contains the buttons and links to other web pages-->
    <ul class="navbar_menu">
     <!--buttons that link webpages together-->
     <li class="navbar_btn">
      <a href="main.html" class="button">Home</a>
     </li>
     <li class="navbar_btn">
      <a href="Thumbnail.html" class="button">Genres</a>
     </li>
     <li class="navbar_btn">
      <a href="buy_products.html" class="button">Products</a>
     </li>
     <li class="navbar_btn">
      <a href="quiz.html" class="button">Quiz</a>
     </li>
     <li class="navbar_btn">
      <a href="Sitemap.html" class="button">Sitemap</a>
     </li>
     <li class="navbar_btn">
      <a href="form.html" class="button">Query Form</a>
     </li>
    </ul>
   </div>
  </nav>
```

```
<p id="starting"></p>
<img src="title.png" alt="team_header" id="team" >  <!--
the image with the main header-->

<div class="container" >
  <div class="card"><!--card containing the image and the box-->
    <div class="imgBx"><!--div with the image of the student-->
      <img src="amaanie.jpeg" alt="amaanie_picture">
    </div>
    <div class="content"><!--div with the details of student-->
      <p>Noorul Amaanie Yoosuf</p>
      <p>Student I</p>
      <p>Following Computer Science</p>
    </div>
  </div>
  <div class="card">
    <div class="imgBx">
      <img src="minoshi.jpeg" alt="minoshi_picture">
    </div>
    <div class="content">
      <p>Dankoluwage Minoshi Dulanji</p>
      <p>Student II</p>
      <p>Following Software Engineering</p>
    </div>
  </div>
  <div class="card">
    <div class="imgBx">
      <img src="rusini.jpeg" alt="rusini_picture">
    </div>
    <div class="content">
      <p>Rusini Thara Gunarathne</p>
      <p>Student III</p>
      <p>Following Software Engineering</p>
    </div>
  </div>
  <div class="card">
    <div class="imgBx">
      <img src="amjad.jpeg" alt="amjad_picture">
    </div>
    <div class="content">
      <p>Mohammed Amjad Rafi</p>
      <p>Student IV</p>
      <p>Following Software Engineering</p>
    </div>
  </div>
</div>

<br><br><br><br><br><br>
<a href="#starting"><img src="arrow.png" alt="back to top " id="top_scroll"></a>  <!--
back to first question button-->

<!--code to the page editor-->
<div class="editor_container">
  <div class="editor">
```

```html
        <a href = "pageEditor.html">Page Editor</a>
      </div>
    </div>

    <!--
the footer contains the code to the footer of the web page as well as the student details-->
    <div class="footer_container">
      <div class="footer_links">
        <div class="logo">
          <img src="logo.jpg" alt="web_page_logo">
        </div>
        <div class="footer_link-wrapper">
          <div class="footer_link-items">
            <h2>About Us</h2>
            <ul>
            <li class="footer_btn1">
              <a href="studentDetails.html" class="button1">Student Details</a>
            </li>
            </ul>
          </div>
        </div>
      </div>
    </div>
    <script>

    //function to enable the details are only displayed when hovered over the image
    onload = () => {
      document.querySelectorAll('.imgBx img').forEach(img => {
      img.onmouseover = overImg; //onmouseover event occurs when the mouse pointer enter
s the div element, and its child elements
      img.onmouseout = outImg;
      })

      //when hovered over the image
      function overImg() {
        this.parentNode.classList.add('over');
      }
      function outImg() {
        this.parentNode.classList.remove('over');
      }
    };

      // function for scroll
      window.addEventListener("scroll",scrollfun); //using DOM

      function scrollfun(){
      let backtotop = this.document.getElementById("top_scroll")
        if (document.documentElement.scrollTop > 200) {
          backtotop.style.display = "block";
        }else {
          backtotop.style.display = "none";
        }
      }

    </script>
```

```
</body>
</html>
```

Filename – styleStudentDetails.css

```css
body{
    color:aliceblue;
    box-sizing: border-box;
    font-family: 'Josefin Sans', sans-serif;
    font-size: 20px;
    margin: 0%;
}

.container{ /*positioning the container with the profile cards*/
    display: flex;
    justify-content: space-between; /*keeping space between the cards */
    width: 100%;
    margin: auto;
    padding-top: 135px;
    position: relative;
}

.container .card{ /*styling for the card*/
    position: relative;
    max-width: 300px;
    height: 420px;
    background: #d6670b; /*color of the card*/
    margin: 30px 10px;
    padding: 20px 15px;
    display: flex;
    flex-direction: column;
    box-shadow: 0 20px 50px rgba(0,0,0,0.2);
}

/*seperates the card into 2 parts to have a lighter and a darker shade of the chosen color*/
.container .card::before{
    content: '';
    position: absolute;
    top: 2px;
    left: 2px;
    bottom: 2px;
    width: 50%;
    background: rgba(255,255,255,0.1);
    pointer-events: none;
}

/*when hovered ONLY over the image*/
.container .imgBx.over + .card{
    height: 420px;
}

.container .card .imgBx{ /*styling for the div containing the image*/
    position: relative;
    top: -60px;
```

```css
    left: 5px;
    right: 20px;
    z-index: 1; /*overlap the image on the card*/
    box-shadow: 0 0px 0px rgba(0,0,0,0.2);
}

.container .card .imgBx img{ /*styling the image*/
    max-width: 100%;
    border-radius: 50%;
    border: 1px solid #d6670b;
}

.container .card .content{ /*styling the div with th student details*/
    position: relative;
    margin-top: -140px;
    padding: 10px 15px;
    text-align: center;
    color: #111;
    visibility: hidden;
    opacity: 0;
    transition: 0.3s ease-in-out;
}

/*when hovered over the image the transition of the content*/
.container .imgBx.over + .content{
    visibility: visible;
    opacity: 1;
    margin-top: -40px;
    transition-delay: 0.3s;
}

p{ /*styling the student details*/
    font-weight: bold;
    font-size: medium;
    color: white;
}

#team{ /*positioning the header image of the page*/
    margin-left: 500px;
    margin-top: 30px;
    margin-bottom: -140px;
}

#top_scroll{ /*styling for back to top button*/
    z-index: 99;
    width: 50px;
    height: 50px;
    display: none;
    position: fixed;
    bottom: 20px;
    right: 30px;
    cursor: pointer;
    background-color: rgb(89, 99, 99);
    border-radius: 25px;
    transition: 0.5s;
```

```
}

#top_scroll:hover{ /*hovering effect for back to top button*/
   background-color: #fda172;
   border-radius: 25px;
   transform: scale(1.1);
}

.editor_container{
   border-bottom: 2px solid grey;
   border-top: 2px solid grey;
}
```

Page Editor

Filename – pageEditor.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Page Editor - Rusini</title>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.2/css/all.min.css"/> <!--to get the social media icons-->
    <link rel="stylesheet" href="stylePageEditor.css">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Josefin+Sans:wght@600&display=swap"
rel="stylesheet">

</head>
<body>

    <div class="profile-card">
        <div class="card-header">
            <div class="pic">
                <img src="me_rusini.jpg" alt=""> <!--image of creator-->
            </div>
            <div class="name">RUSINI THARA</div> <!--creator's name-->
            <div class="task">STUDENT 3</div> <!--role-->
            <div class="sm">
                <a href="https://www.facebook.com" class="fab fa-facebook"></a><!--social media
icons-->
                <a href="mailto:rusini.20200205@iit.ac.lk" class="fa fa-envelope"></a>
                <a href="https://github.com/rusini666" class="fab fa-github"></a>
                <a href="https://www.linkedin.com/in/rusini-gunarathne-aa3841192" class="fab fa-
linkedin"></a>
            </div>
            <a href="" class="task-style"><!--animation box for tasks-->
                <span></span>
                <span></span>
                <span></span>
                <span></span>
                Tasks
            </a><br><br>
            <p>Quiz</p>
            <p>Student Details</p>
            <p>Page Editor</p>
        </div>
    </div>

</body>
</html>
```

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Filename – stylePageEditor.css

```css
*{
    margin: 0;
    padding: 0;
    font-family: 'Poppins', sans-serif;
    box-sizing: border-box;
    text-decoration: none;
}

body{
    background: url(mountains.jpg) no-repeat center;
    background-size: cover;
    display: flex;
    align-items: center;
    justify-content: center;
    display: flex;
    -webkit-box-pack: center;
    -ms-flex-pack: center;
    justify-content: center;
    -webkit-box-align: center;
    -webkit-tap-highlight-color: transparent;
}

.profile-card{ /*styling the profile card*/
    width: 400px;
    text-align: center;
    overflow: hidden;
    position: relative;
    padding: 2rem 1rem;
    display: flex;
    min-height: 100vh;
    align-items: center;
}

.card-header{
    padding: 60px 40px;
    position: relative;
    width: 350px;
    height: 500px;
    display: flex;
    flex-direction: column;
    border-radius: 2px solid #00002a;
    backdrop-filter: blur(20px);
    border: 1px solid white;
    border-radius: 8px;
}

.pic{ /*styling the image*/
    display: inline-block;
    padding: 8px;
    background: linear-gradient(130deg, #74b9ff,#e66767);
    margin: auto;
    border-radius: 50%;
```

```css
    background-size: 150% 150%;
    animation: animated-gradient 2s linear infinite;
}

@keyframes animated-gradient{ /*changes style of animation in percentages*/
    25%{
        background-position: left bottom;
    }
    50%{
        background-position: right bottom;
    }
    75%{
        background-position: right top;
    }
    100%{
        background-position: left top;
    }
}

.pic img{
    display: block;
    width: 120px;
    height: 120px;
    border-radius: 50%;
}

.name{
    color: #f2f2f2;
    font-size: 20px;
    font-weight: 600;
    margin: 10px 0;

}

.task{
    font-size: 20px;
    color:#ffffff ;
}

.sm{
    display: flex;
    justify-content: center;
    margin: 20px 0;
}

.sm a{
    color:#f2f2f2 ;
    width: 56px;
    font-size: 22px;
    transition: .3s linear;
}

.sm a:hover{
    color: #1076c9;
}
```

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```css
.task-style{ /*styling the task box*/
    position: relative;
    display: inline-block;
    color: #2196f3;
    text-transform: uppercase;
    border-radius: 6px;
    margin-top: 7px;
    margin-bottom: -9px;
    transition: .3s linear;
    overflow: hidden;
    padding: 20px;
}

.task-style:hover{ /*hovering effect on the task box*/
    color: #255784;
    box-shadow: 0 0 10px #2196f3,0 0 20px #2196f3,0 0 30px #2196f3;
    transition-delay: 1s;
}

a span{
    position: absolute;
    display: block;
}

a span:nth-child(1){/*number of the child of the parent*/
    top: 0;
    left: -100%;
    width: 100%;
    height: 2px;
    background: linear-gradient(90deg,transparent,#2196f3);
}

a:hover span:nth-child(1){
    left: 100%;
    transition: 1s;
}

a span:nth-child(3){
    bottom: 0;
    right: -100%;
    width: 100%;
    height: 2px;
    background: linear-gradient(270deg,transparent,#2196f3);
}

a:hover span:nth-child(3){
    right: 100%;
    transition: 1s;
    transition-delay: 0.5s;
}

a span:nth-child(2){
    top: -100%;
    right: 0;
```

```
    width: 2px;
    height: 100%;
    background: linear-gradient(180deg,transparent,#2196f3);
}

a:hover span:nth-child(2){
    top: 100%;
    transition: 1s;
    transition-delay: 0.25s;
}

a span:nth-child(4){
    bottom: -100%;
    left: 0;
    width: 2px;
    height: 100%;
    background: linear-gradient(360deg,transparent,#2196f3);
}

a:hover span:nth-child(4){
    bottom: 100%;
    transition: 1s;
    transition-delay: 0.75s;
}

p{
    color: aliceblue;
}
```

Appendix B: Screenshots

Filename – quiz.html
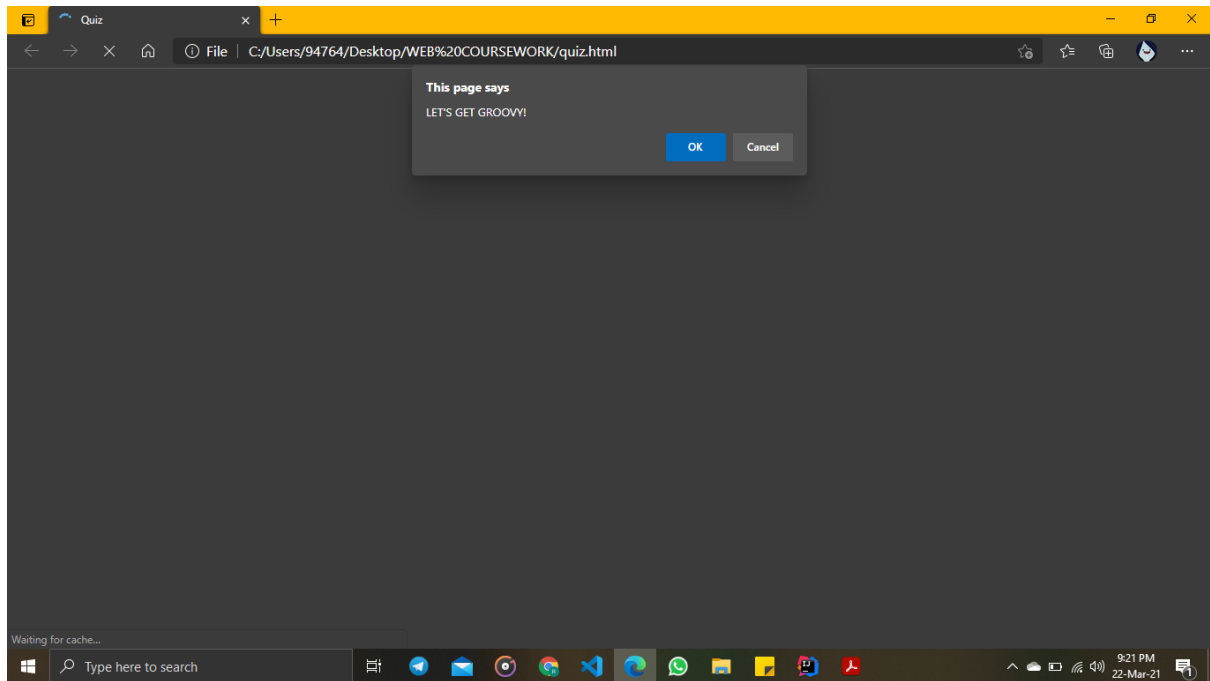
Figure 1: Confirm box when the quiz gets loaded
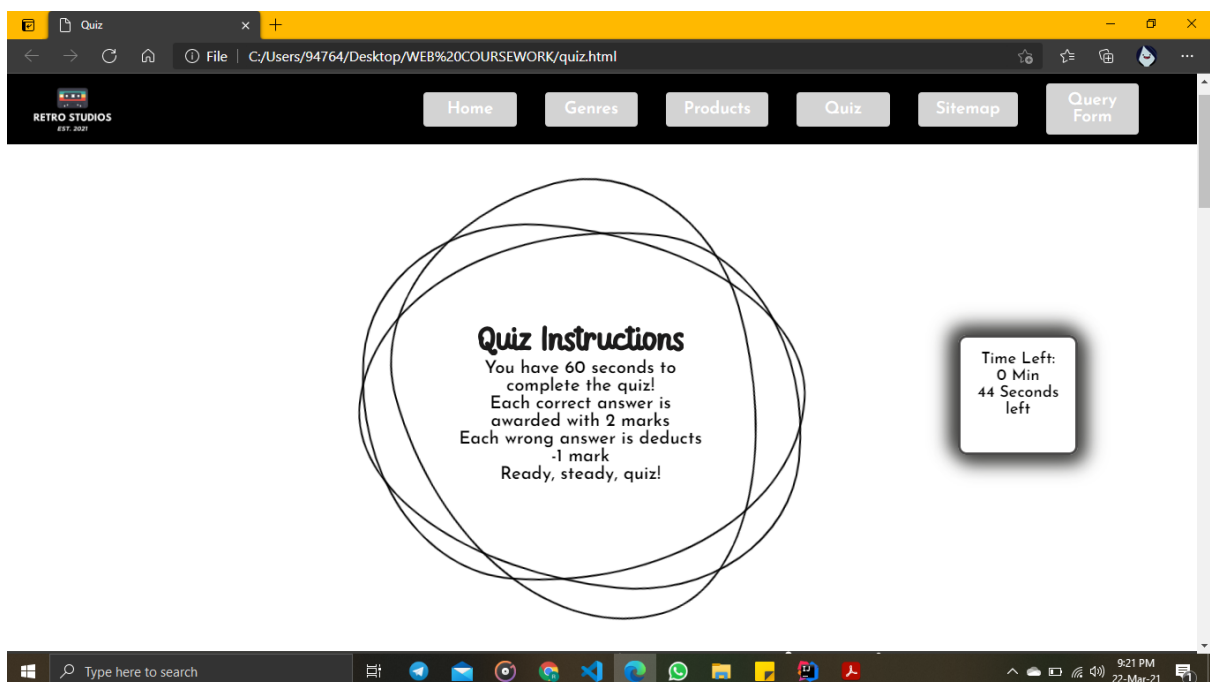
Figure 2: Quiz instructions before hovering
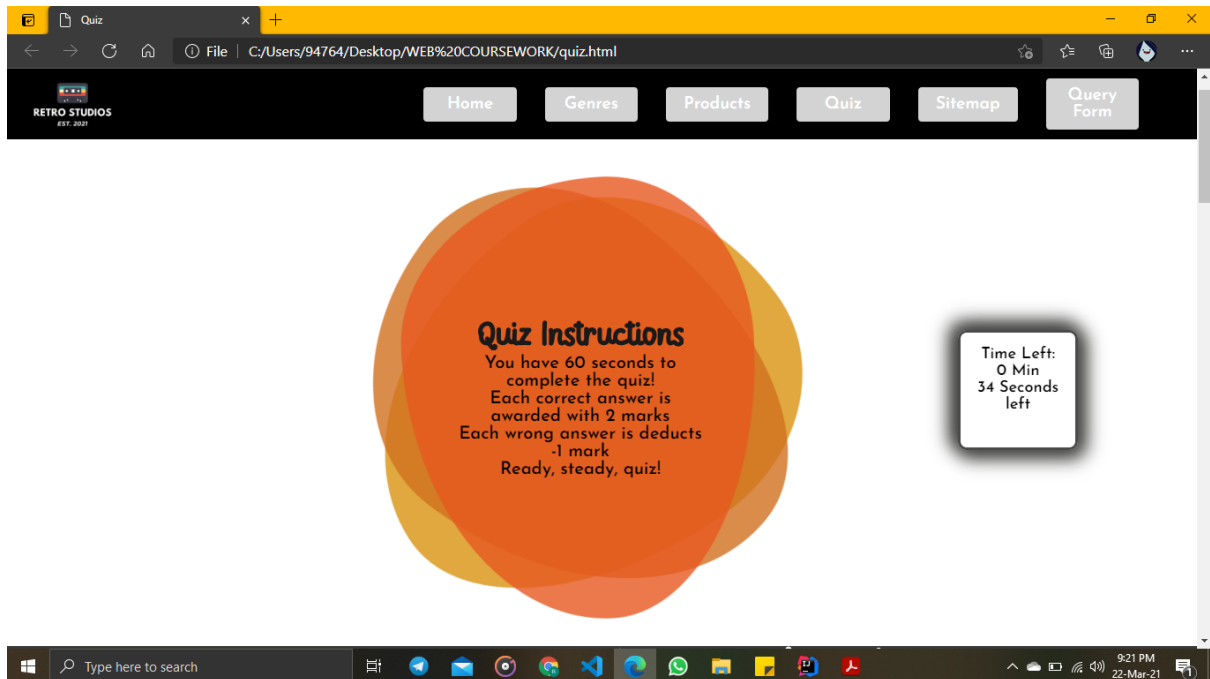
Figure 3: Quiz instructions when hovered
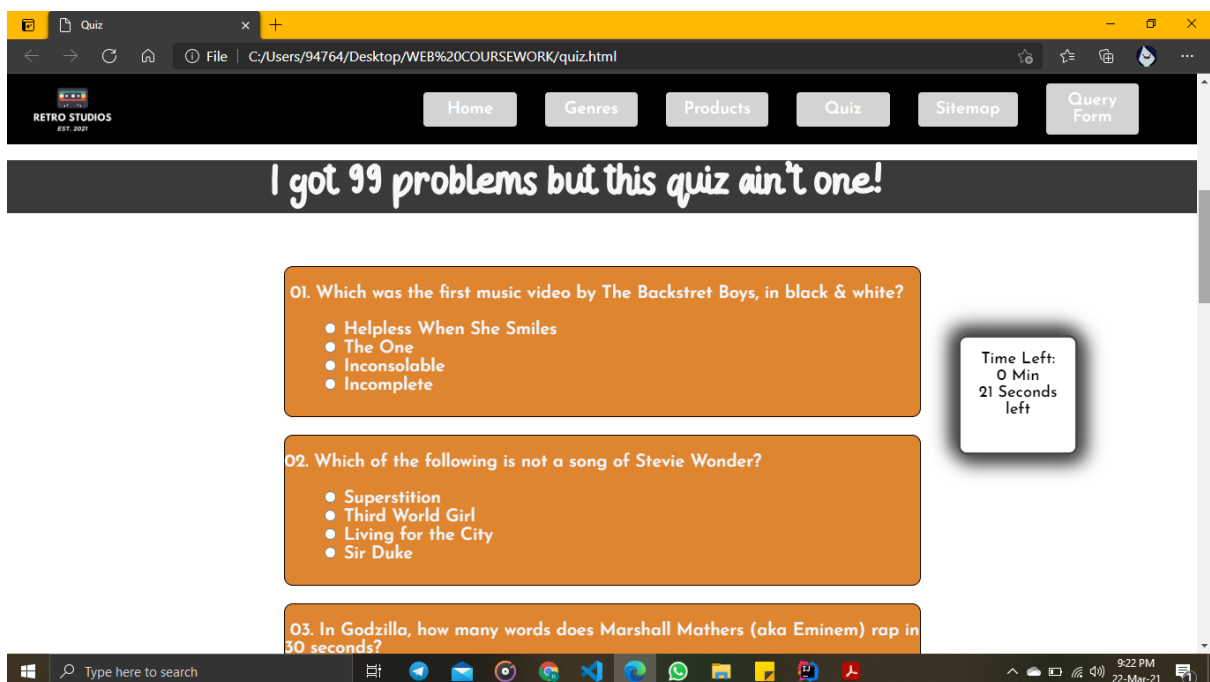
Figure 4: The header and the questions
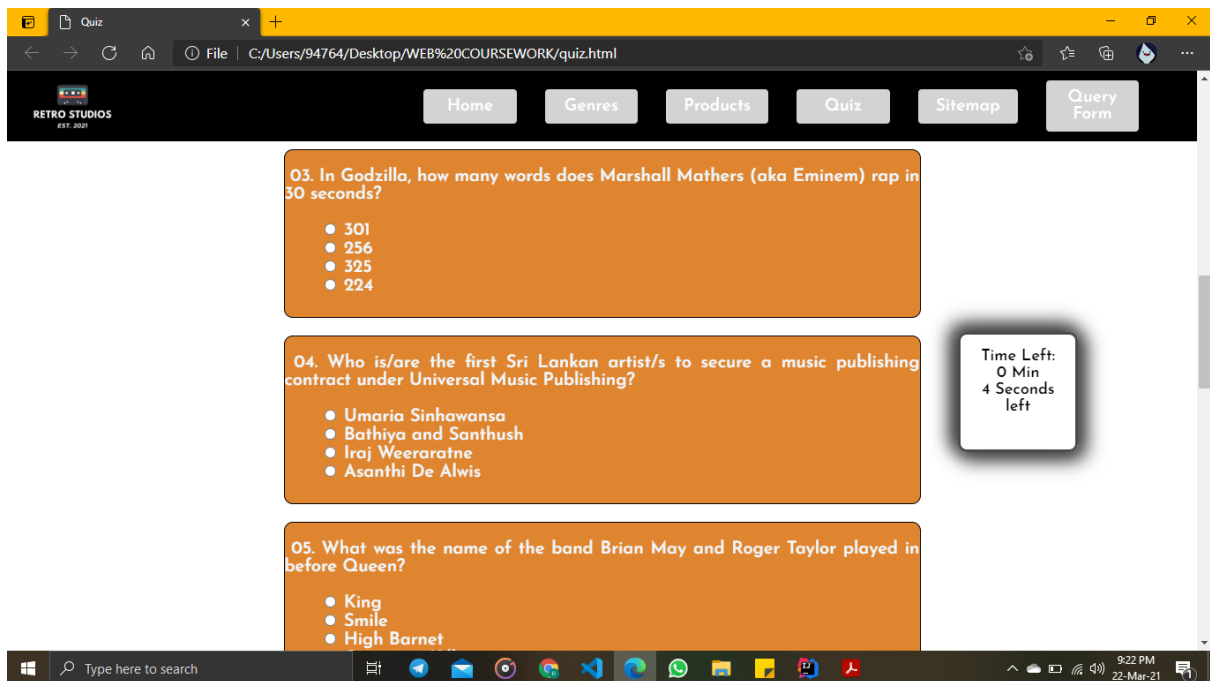
Figure 5: Questions (contd.)
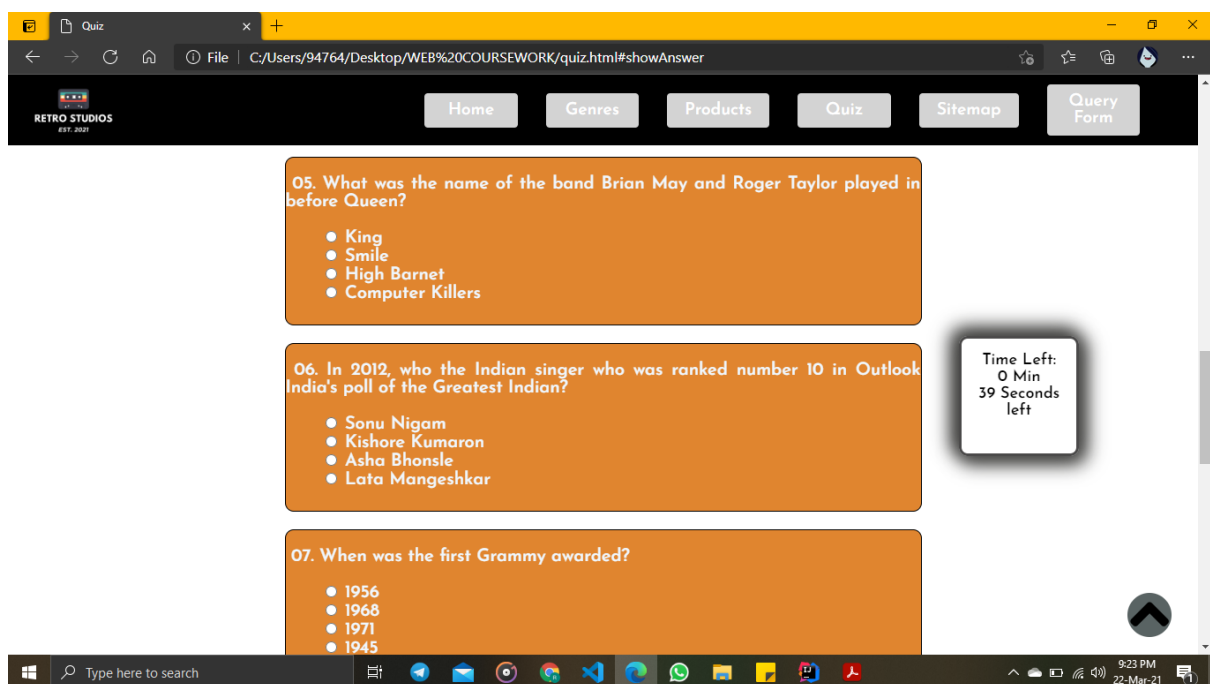
Figure 6: Questions (contd.) and the back-to-question1 button appears from fifth question onwards (before hovered)
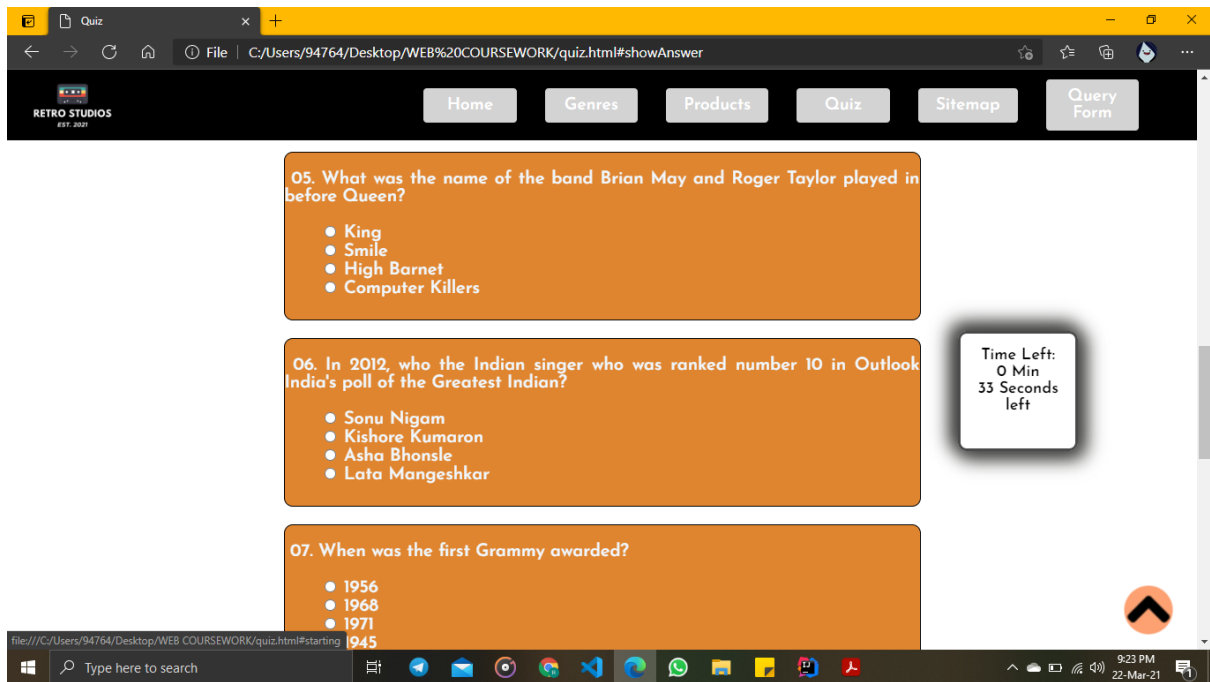
Figure 7: Questions (contd.) and the back-to-question1 button when hovered

Figure 8: Questions (contd.)
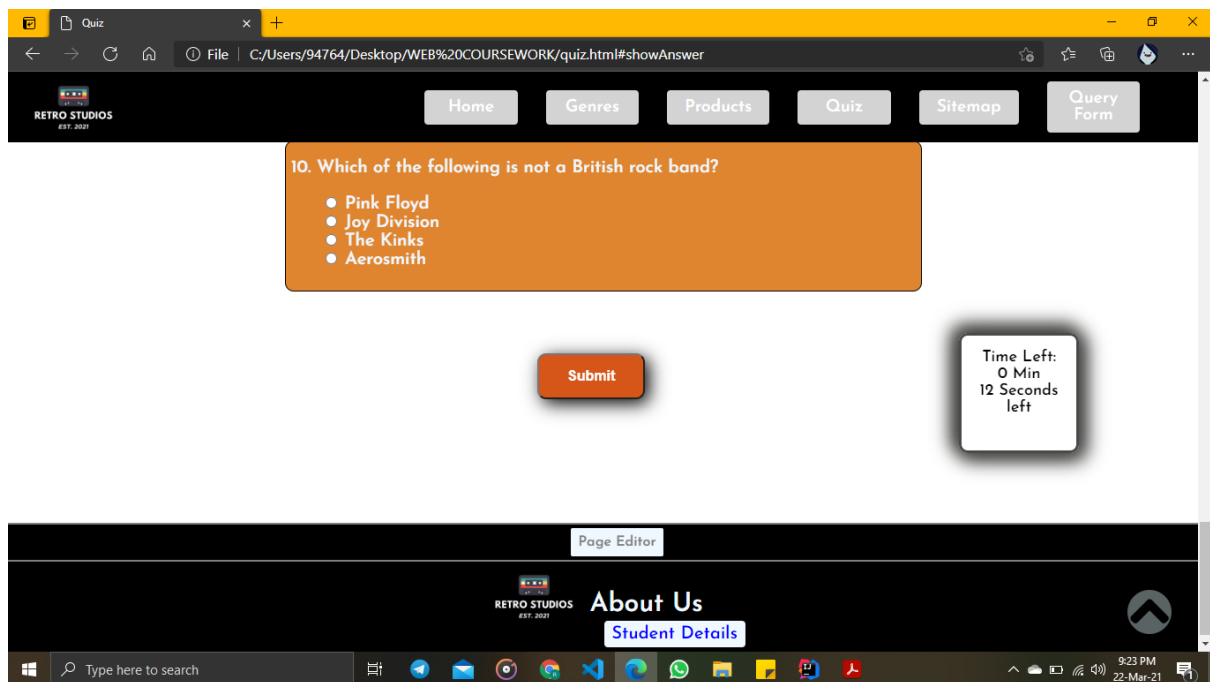
Figure 9: Questions (contd.)
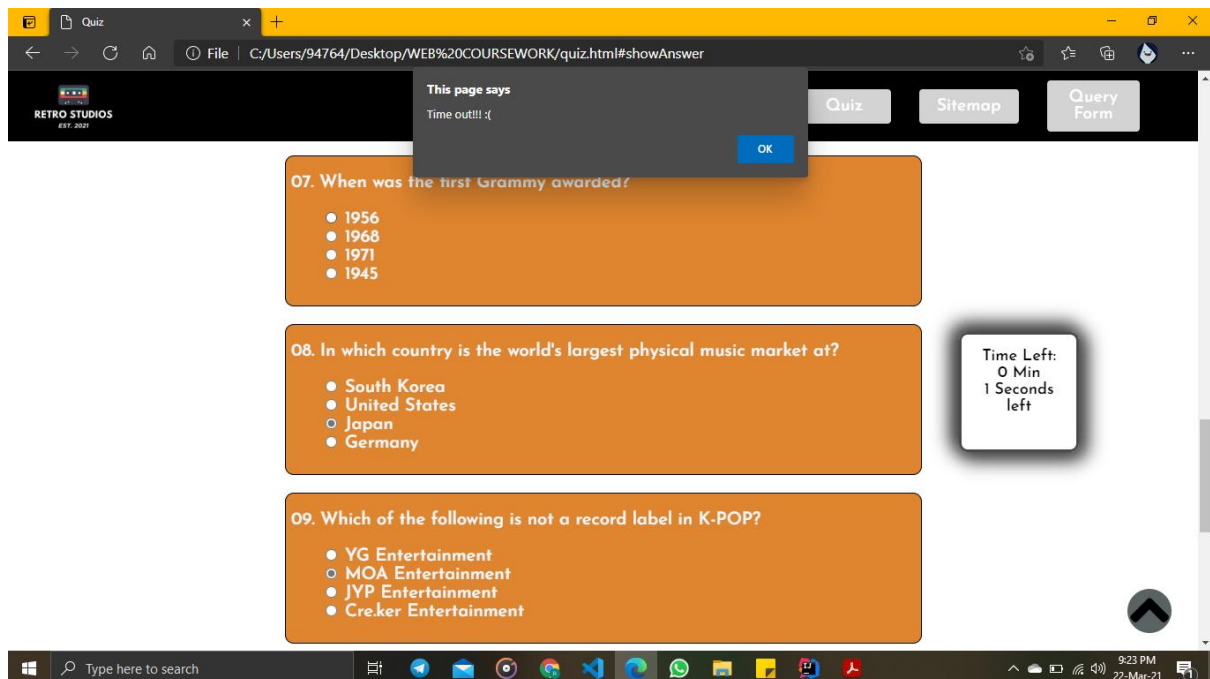
Figure 10: Confirm box when the time is out (when exceeded 1 minute)
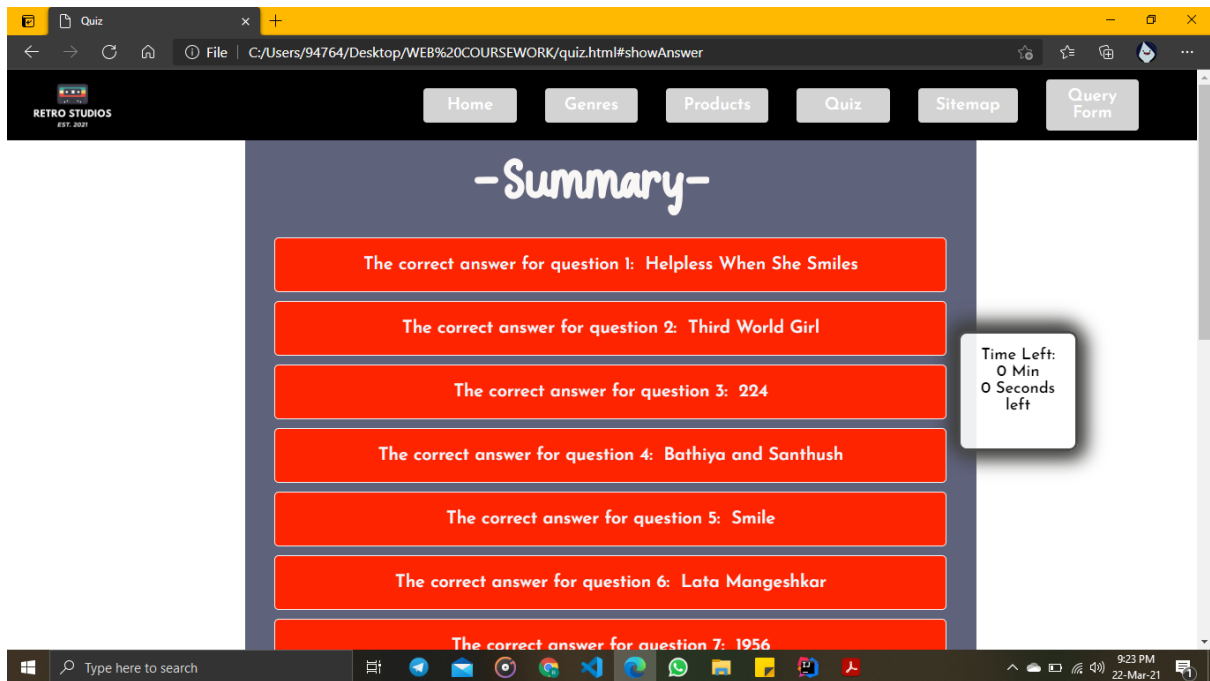
Figure 11: Summary of correct and wrong questions
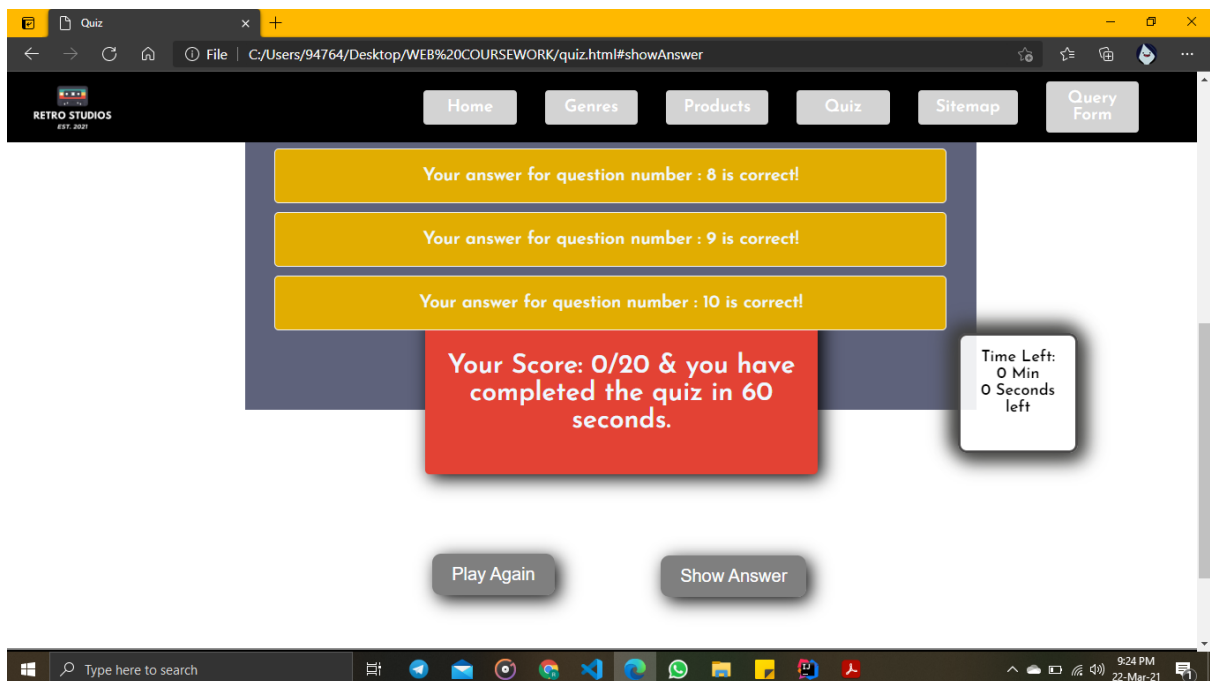
Figure 12: Final score with Play Again and Show Answer buttons
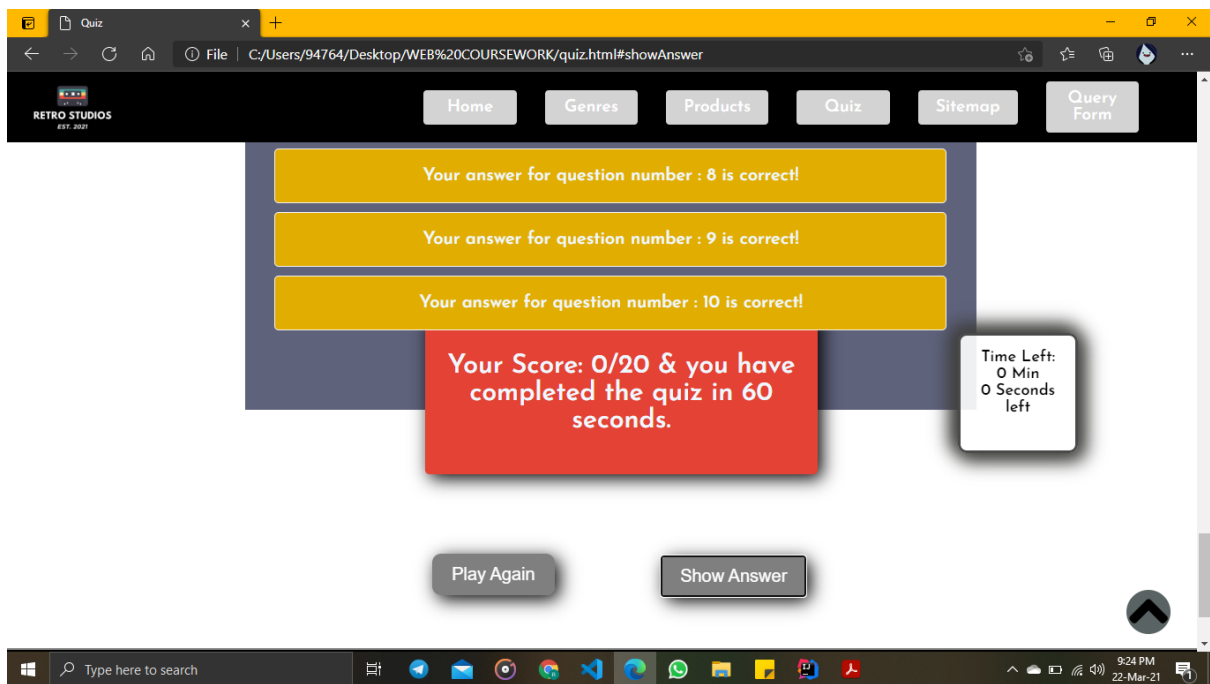
Figure 13: When Show Answer button is clicked back-to-question1 button gets appeared

Figure 14: The checked answers by the user have appeared
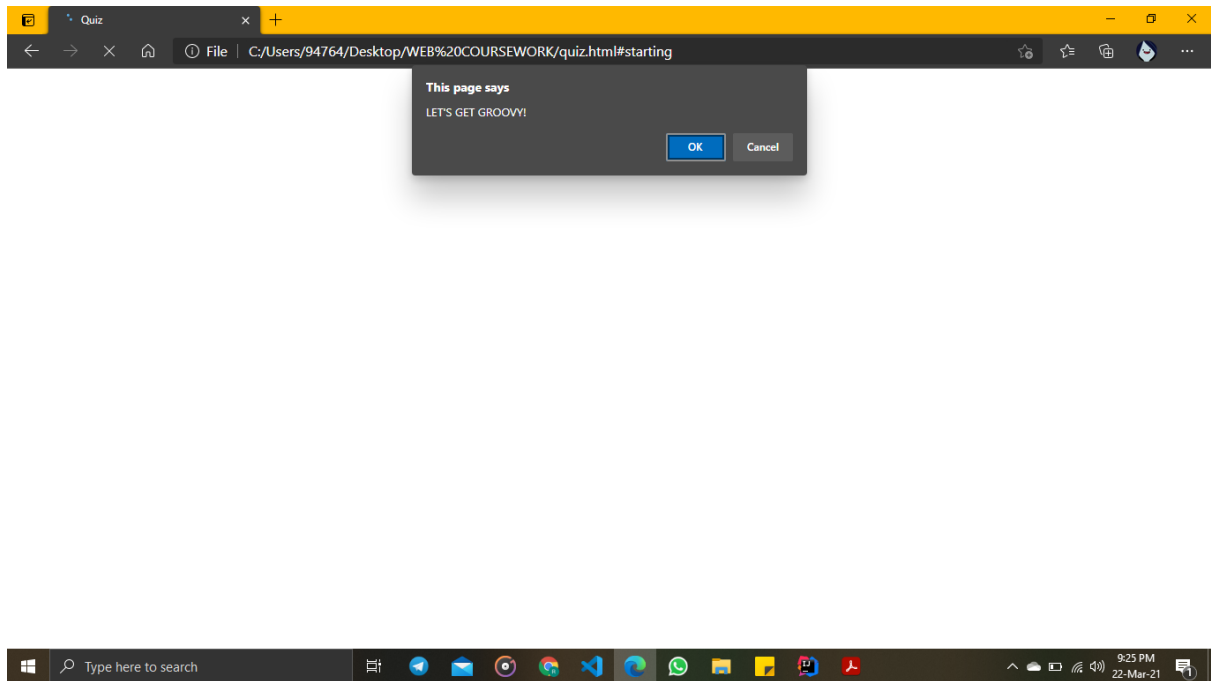
Figure 15: When the Play Again button is clicked the page reloads the quiz (refreshes)

Filename – studentDetails.html
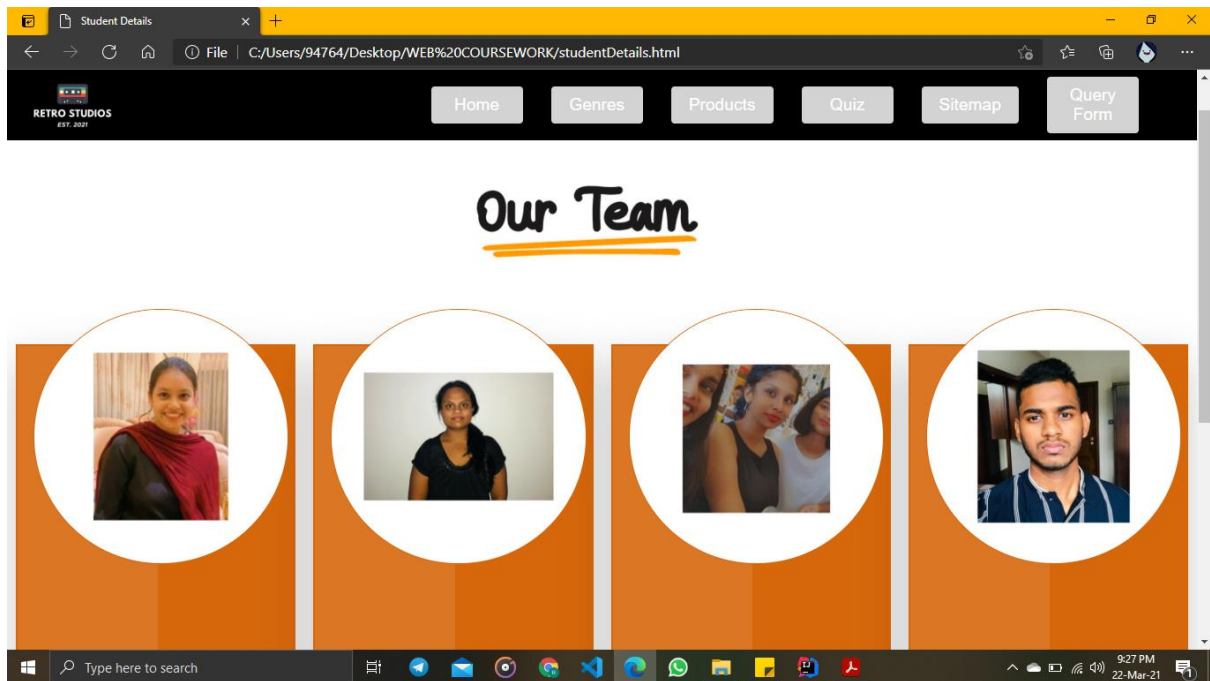
Figure 1: Student Details page
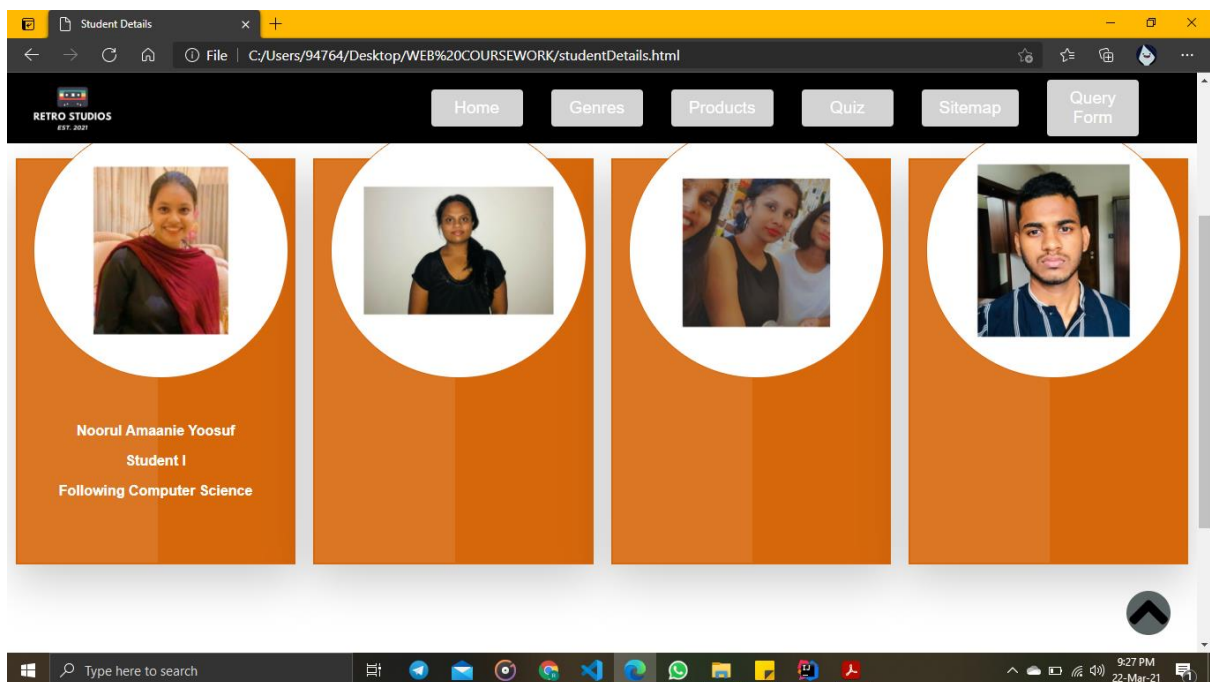
Figure 2: When hovered over the image of Student 1
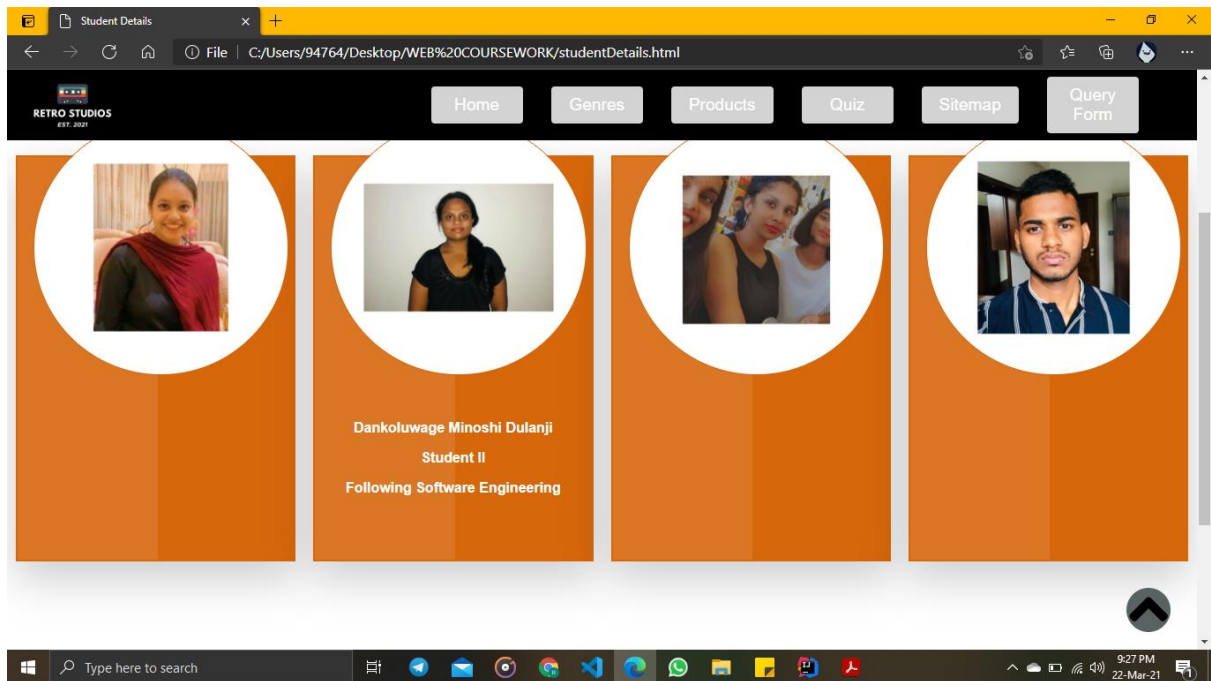
Figure 3: When hovered over the image of Student 2
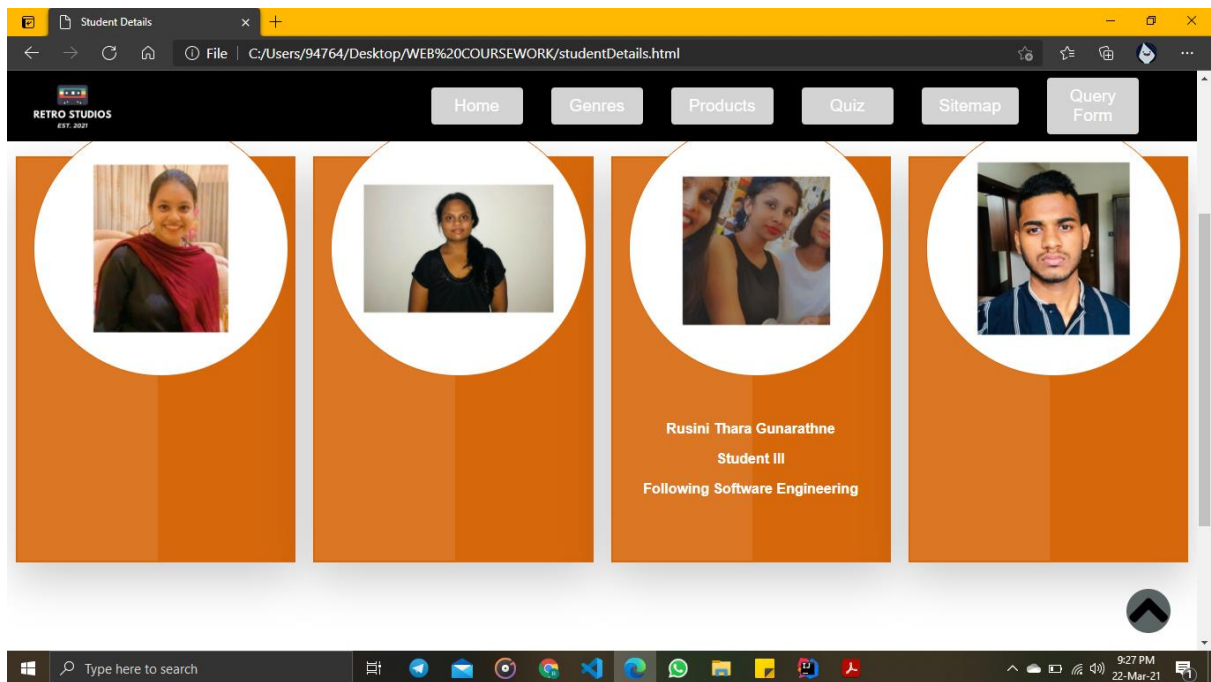
Figure 4: When hovered over the image of Student 3
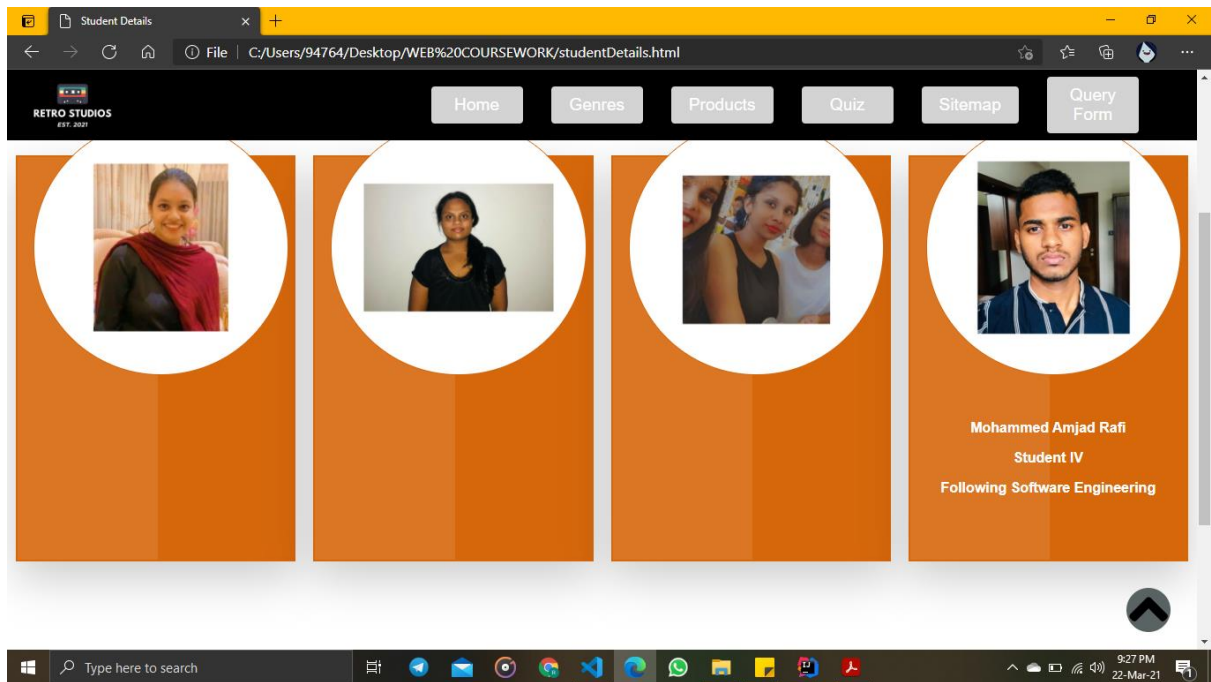
Figure 5: When hovered over the image of Student 4

Filename – pageEditor.html
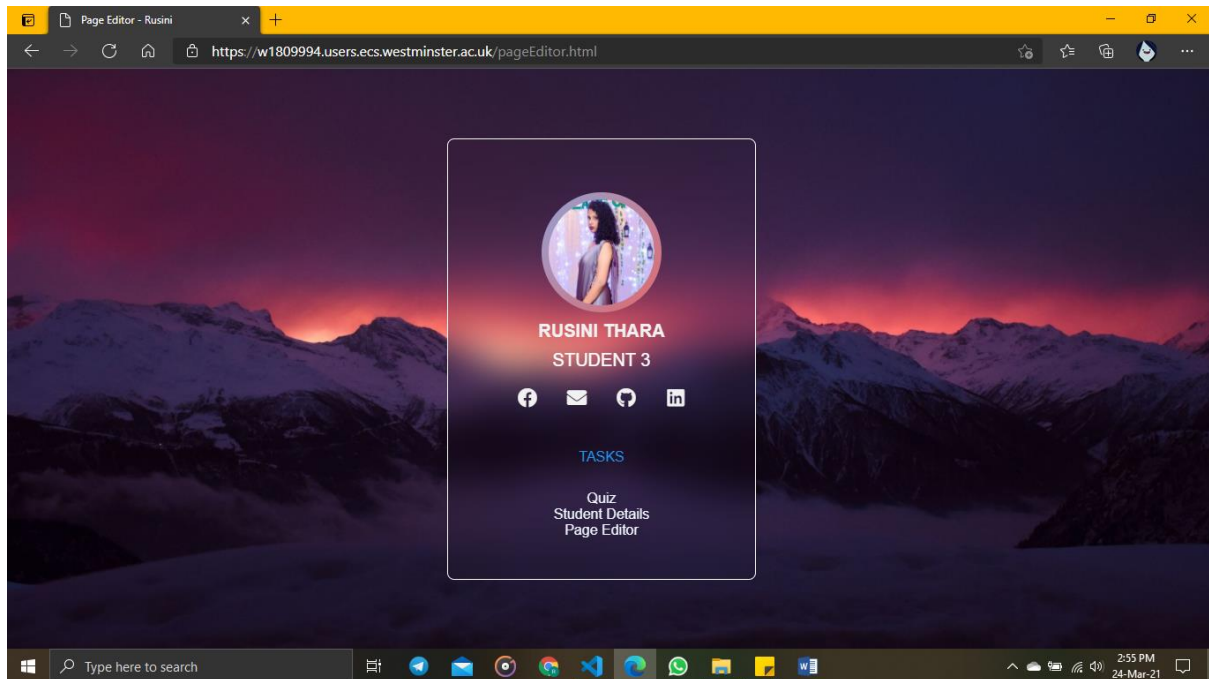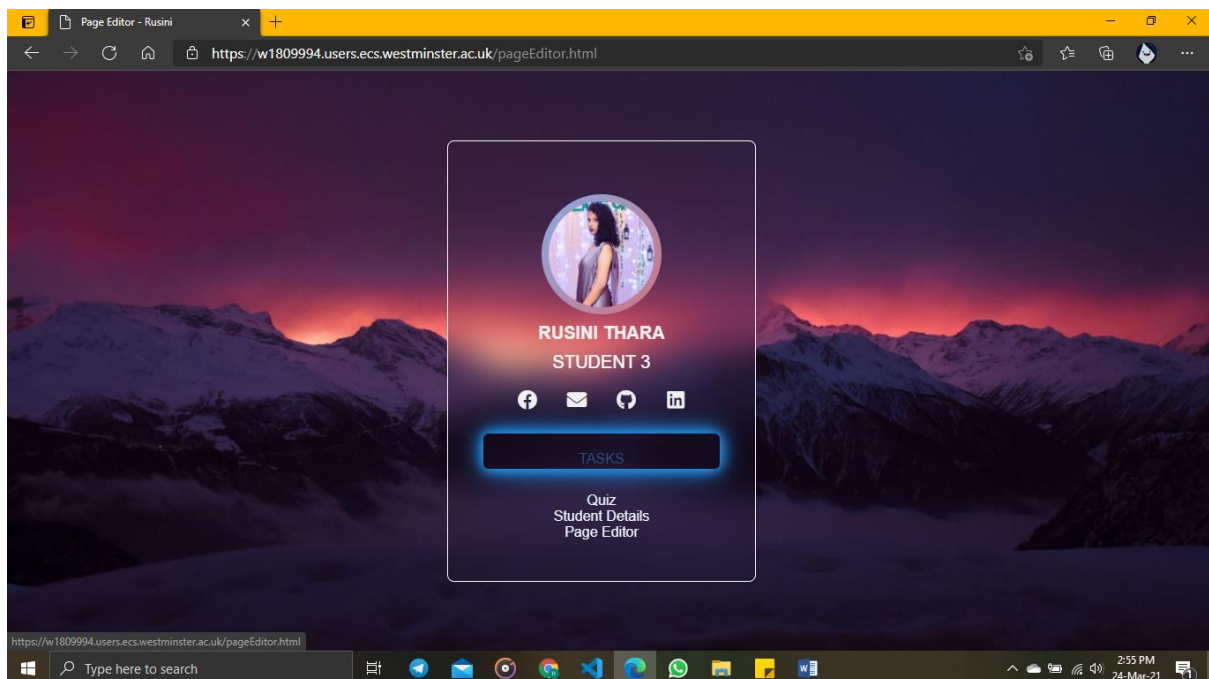

Figure 1: Page Editor with a profile card of the creator
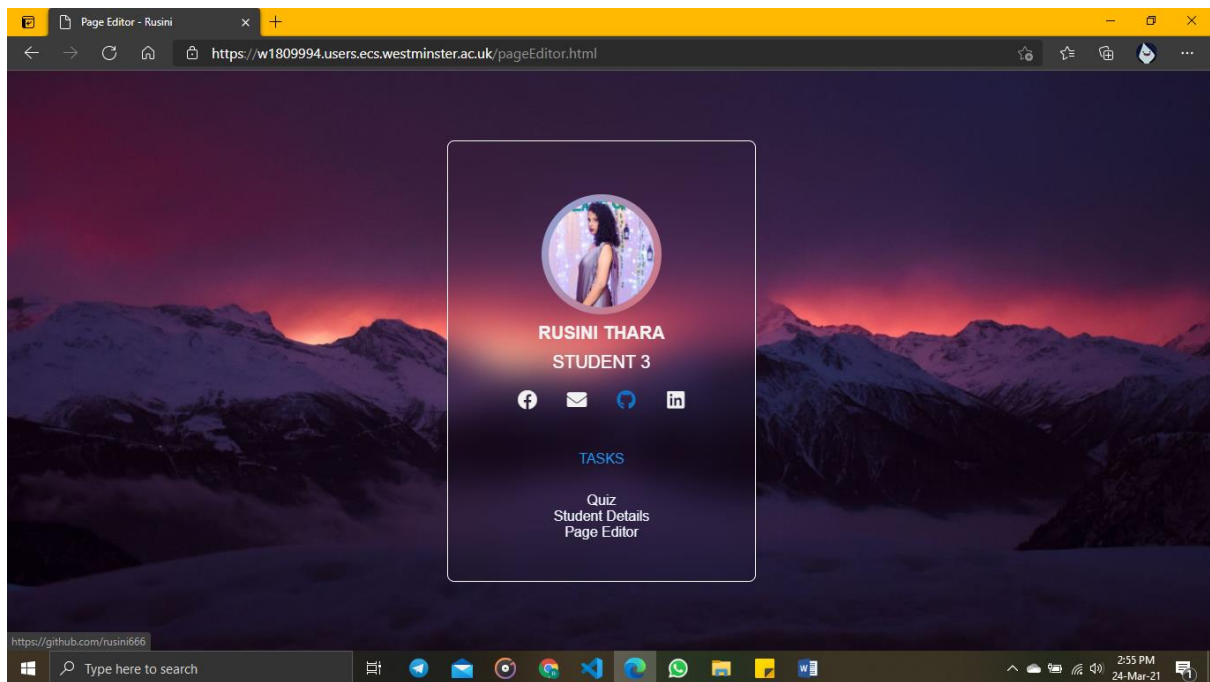

Figure 2: When hovered over tasks

Figure 3: When hovered over the social media icons

Appendix C: Individual Statement

Student Name:	Rusini Thara Gunarathne	Student Id:	18099940

State what tasks you carried out in the project.

- Quiz
- Student Details
- Page Editor

State what you enjoyed and did not enjoy about teamwork.

- I enjoyed the true team spirit and am satisfied with the contribution of each member in making this project successful.
- Everyone was really helpful and worked hard in achieving the end goal of the project.

State what you learned about teamwork.

- With teamwork, everything can be done much faster and the creative ideas of team members can make the tasks much more flexible.
- Different perspectives of each problem can have different solutions which help to share the knowledge among members.

State what skills you gained/learned from undertaking the project.

- Skills in front end web development
- Resourcefulness
- Creativity
- Social skills when it comes to working with team members

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

- The urge to complete the project and give your maximum in making the project successful.
- Creativity
- Focus
- Dedication
- Worked on time and had to plan which made me schedule everything related to the project.

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

- Gaps in knowledge in mainly JavaScript.

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

- I would learn much deeper about JavaScript so that it'll make the web page much more interactive and responsive along with this the wasted time on trial and error methods could be reduced as well.

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Additional general or project-specific comments:			
• The project was really good, got the chance to learn much more about front-end-web development and team spirit.			
Student Signature:	*Rusini*	Date:	22-March-2021