**Level 04**

**Web Design And Developement**

**Coursework Report**

Subject code: 4MMCS006C

Lecturer name: Mr Pumudu Fernando

Group name: Group A

Student name: L.R.K.Alwis

IIT ID No: 2016194

UoW ID No: 16266278

Index

1. Workload Distribution 3
2. Discussion 4-5
3. Screenshots Of the Web Page 6-8
4. Information Page 9
5. Janet Regulations 10
6. Appendix

1) Code 11-22

2) Individual Statement 23

**Workload Distribution**

Student 01: Sachini De Zoysa- Presentation Page , Product Page, Font Size Change

Student 02: Suleka Helmini- Main Page, Feedback Form, External CSS

Student 03- Ruvini Alwis - Mcq Quiz , Student Details

Student 04- Hamash Dahalan- Diagrams, Images Page

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Task** | **Student 1** | **Student 2** | **Student 3** | **Student 4** | | 1 - Presentation Page | \* |  |  |  | | 2 - Main Page |  | \* |  |  | | 3 - Font Size Change | \* |  |  |  | | 4 - Comments Form |  | \* |  |  | | 5 - Buy products | \* |  |  |  | | 6 - Diagrams |  |  |  | \* | | 7 - Quiz |  |  | \* |  | | 8 - View images |  |  |  | \* | | 9 - Student details |  |  | \* |  | | 10a - External CSS (created) |  | \* |  |  | | 10b - External CSS (10a reused) | \* | \* | \* | \* | | 11 - CV | \* | \* | \* | \* | | 12 - Anchors | \* | \* | \* | \* | | 13 - Logo/Page Editor | \* | \* | \* | \* | | 14 - Info. Page / design issues | \* | \* | \* | \* | | 15 - Additional Interactivity | \* | \* | \* | \* | |

**Discussion**

Subject & Style

The topic which we selected for our website is Music. Relating to music this website is to sell various kind of music instruments. As it is a well known subject all over the world after discussing and concerning about many facts finally we end up with this subject with the approval of all the team members.

As music is a calm subject light colors and smooth music is used throughout the website for the betterment of the viewers of the website.

Student Details Page

As the student 03 I was asked to create a Student Detail Page. That is to put images of the all four group members and to display there details when the mouse is moved on that picture.

Difficulties Faced

1. The first difficulty was to come up with an idea to do this task.

2. was Unable to make the image shape round

3. Unable to reduce the visibility of the images when the text is displayed

4. Text was not clearly appearing on the image

How they were solved

1. After searching and watching many tutorials i thought of using a hover effect, something which i haven't used before to complete this task. Because it was new to me i had to put an effort to reach the goal. i went through many tutorials and finally got how to do it.

2. Though it was a simple task it took me sometime to realize how to make the shape round. First i tried several several codes but it does not worked . I even tried to replace the image directly with a round shaped one instead of using CSS. Somehow at last with the help of a team member i managed to solve this problem. I got to know that its simply the border radius.

3, 4. I wanted to reduce the visibility of the image when the mouse is moved on the image and to display the text. So i had to reduce the opacity of the image . Even though the visibility got reduced it also effected on the text too, so the text was not clear. So finally i got another low contrast image and replaced it on top of the current picture, so the visibility of the image got reduced and the text was clearly displayed

Quiz Page

I was asked to create a MCQ quiz page related to the topic with a timer and displaying results and changing the background color at last.

Difficulties Faced

1. Creating the timer

2. Getting user answers and correct answers

3. Displaying the results

How they were solved

1. Creating the timer was the biggest challenge for me. I went through so many tutorials and codes to find out how to create a timer using javascript. After studying them hard and after understanding the code i managed to create a timer for 90 seconds. Once the page is loaded timer gets start and it stops when the user click the get score button or when the time is up.

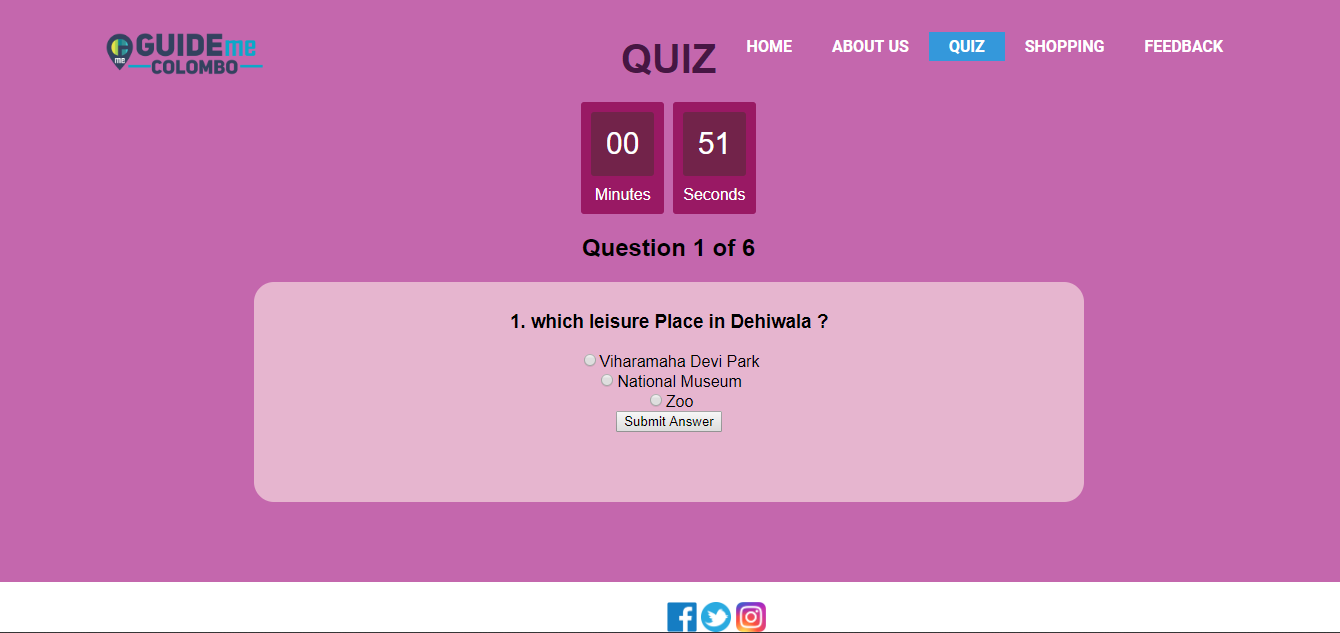
2. It was a problem for me to how to print both the users answers and the correct answers. What i did was i stored all the correct answers in an array and printed them using a for loop. Users answer were assigned to a variable and displayed it with the relavant statements. These were Displayed using getElementByIdinnerHTML.

3. I wanted to display quiz results at last without the quiz questions (Replace question area with results). I did not want to go to another page so what i did was i gave a seperate div tag to show results and gave accessibility to that area using a navigation bar.

**Screenshots of the Web Pages**

Student Details Page:

Quiz



**Information Page**

Accessibility

Any person can access the web page. No matter whether they have physical or mental disabilities, their culture or nationalty

page is accessible by all of them.

Typhography

In my tasks i mainly used 4 fonts one for topics, body of the quiz, timer , and student details. I used the font weight bold for all except for the body of the quiz. Different font sizes were used to highlight topics and student details information. Text decorations were used only once for the topic of the student details page.

Color Contrast

Color Contrast was selected by the student 02. However the color theme of the web page is light blue. In my task i used a light color for the quiz background and orange for the buttons to highlight. No other bright colors were used ,to keep the calm view of the website.

Gestalt Principles

Similarity,simplicity and consitency can be seen in the web pages i created. The transparent navigation bar and the navigation for the division tags, footer , logo, can be seen in both pages as well as in the whole web site. I haven't used any complex styling , decorations or colors just 3 simple colors which had made the pages attractive. Consistency can be seen in the student details page as that web page is not too long.

**Janet Regulations**

* Creation or transmission, or causing the transmission, of any offensive, obscene or indecent images, data or other material, or any data capable of being resolved into obscene or indecent images or material.
* The Images which i used for my work are the images of ourselves and nothing is copied from websites.
* Even the logo of the website was created using photoshop.
* Creation or transmission of material such that this infringes the copyright of anotherperson
* For the quiz and the student details page i did not use any images from other websites as it infringes the copyright of another person.
* Deliberate unauthorized access to networked facilities or services.
* Hven't use any links or re directs to external websites.
* Corrupting or destroying other users’ data
* No destroying of users data in my tasks. However none of those tasks asked for user data .
* Violating the privacy of other users
* User can navigate through the whole website without any privacy violation
* Disrupting the work of other users
* No disruption for the user. User is free to explore the website.
* Creation or transmission of defamatory material.
* Quiz is about some general questions regarding music and the pictures the face of each member so they does not harm or intend anyone.

**Appendix**

Code

Student Details Page

**html**

<html>

<head>

<link rel="stylesheet" href="CSS\eddit.css">

</head>

<body>

<div id="content2">Our Team</div>

<div class="pic" id="pic1">

<div class="text">Student 01 <br>Name: Sachini De Zoysa <br>IIT Id: 2016212 <br>UOW Id: 16266388</div>

</div>

<div class="pic" id="pic2">

<div class="text">Student 02 <br>Name: Suleka Helmini <br>IIT Id: 2016008 <br>UOW Id: 16266993</div>

</div>

<div class="pic" id="pic3">

<div class="text">Student 03 <br>Name: Ruvini Alwis <br>IIT Id: 2016194 <br>UOW Id: 16266278 </div>

</div>

<div class="pic" id="pic4">

<div class="text">Student 04 <br>Name: Hamash Dhalan <br>IIT Id: 2016101 <br>UOW Id: 1626</div>

</div>

<div id="footer"><a href="ruvinicv.html">

Copyright (c) Ruvini Alwis.2017</a></div>

</body>

</html>

**CSS**

.body{

margin-top:30%

}

.pic{

border-radius:50%;

margin-left:5%;

width:250px;

height:250px;

float:left;

display:inline;

margin-top:30px;

border: 2px solid #86b300;

transition:all 0.8s ease-in-out;

}

#pic1:hover {

background-image: url("Images/Sachini1.jpg");

opacity:1;

border-radius:0;

cursor:pointer;

}

#pic2:hover {

background-image: url("Images/suleka1.jpg");

opacity:1;

border-radius:0;

cursor:pointer;

}

#pic3:hover {

background-image: url("Images/ruvini2.jpg");

opacity: 1;

border-radius:0;

cursor:pointer;

}

#pic4:hover {

opacity: 1;

background-image: url("Images/hamash1.jpg");

border-radius:0;

cursor:pointer;

}

#pic1 {

background-image: url("Images/Sachni.jpg");

opacity:1;

}

#pic2{

background-image: url("Images/suleka.jpg");

opacity:1;

}

#pic3{

background-image: url("Images/ruvini.jpg");

opacity:1;

}

#pic4{

background-image: url("Images/hamash2.jpg");

opacity:1;

}

#content2{

text-decoration: underline;

font-size:56px; color:blue; font-weight:bold;

text-align:center; padding:50px; font-family: Lucida Calligraphy;

}

.text {

font-size: 19px;

font-weight: bold;

opacity:0;

text-align: center;

font-family:Modern No. 20;

transition: all 0.5s ease-in-out;

}

#pic1:hover .text {

color:white;

padding-top: 90px;

opacity: 1;

}

#pic2:hover .text {

color:black;

padding-top: 90px;

opacity: 1;

}

#pic3:hover .text {

color:black;

padding-top: 90px;

opacity: 1;

}

#pic4:hover .text {

color:white;

padding-top: 100px;

opacity: 1;

}

#footer {

position:fixed;padding: 10px

text-align: center;

left: 0px;

bottom:0;

background-color: #328CC1;

width: 100%;

}

Quiz

**Html**

<html>

<head>

<title>Quiz</title>

<link rel="stylesheet" href="CSS\quiz.css">

<script src="JS/quiz.js" type="text/javascript" ></script>

</head>

<body>

<form name="Quiz">

<center><div id="button"> ---Test Your Music Knowledge---</center>

<hr color="black">

<div id="timer\_heading2"></div>

<div class="questions">

<p> 1.Which Musical Instrument is reputed to be the oldest in the world?</p>

<ul>

<input type="radio" name="q1" value="Violin" id="q1a">Violin<br/>

<input type="radio" name="q1" value="Guitar" id="q1b">Guitar<br/>

<input type="radio" name="q1" value="Drum" id="q1c">Drum<br/>

<input type="radio" name="q1" value="Harmonium" id="q1d">Harmonium<br/>

</ul>

<p> 2.Which singer appeared in the feature film, Battleship?</p>

<ul>

<input type="radio" name="q2" value="Mohombi" id="q2a">Mohombi<br/>

<input type="radio" name="q2" value="Rihanna" id="q2b">Rihanna<br/>

<input type="radio" name="q2" value="Pitbull" id="q2c">Pitbull<br/>

<input type="radio" name="q2" value="Shakira" id="q2d">Shakira<br/>

</ul>

<p> 3. Leslie Lewis and Hariharan came together to form which music band?

<ul>

<input type="radio" name="q3" value="Avial" id="q3a">Avial<br/>

<input type="radio" name="q3" value="Westlife" id="q3b">Westlife<br/>

<input type="radio" name="q3" value="Agam" id="q3c">Agam<br/>

<input type="radio" name="q3" value="Colonialcousins" id="q3d">Colonial Cousins

</ul>

<div id="part2">

<p> 4.What nationality is Nick Jonas?</p>

<ul>

<input type="radio" name="q4" value="American" id="q4a">American<br/>

<input type="radio" name="q4" value="British" id="q4b">British<br/>

<input type="radio" name="q4" value="Australian" id="q4c">Australian<br/>

<input type="radio" name="q4" value="German" id="q4d">German<br/>

</ul>

<p> 5.Whose 2013 world tour was called ‘The Mrs Carter Show’? </p>

<ul>

<input type="radio" name="q5" value="Adele" id="q5a">Adele<br/>

<input type="radio" name="q5" value="Ladygaga" id="q5b">Lady Gaga<br/>

<input type="radio" name="q5" value="Beyonce" id="q5c">Beyonce<br/>

<input type="radio" name="q5" value="Rihanna" id="q5d">Rihanna<br/>

</ul>

<p> 6.The highest attainable male voice in music is called?</p>

<ul>

<input type="radio" name="q6" value="Tenor" id="q6a">Tenor<br/>

<input type="radio" name="q6" value="Alto" id="q6b">Alto<br/>

<input type="radio" name="q6" value="Baritone" id="q6c">Baritone<br/>

<input type="radio" name="q6" value="Bass" id="q6d">Bass<br/>

</ul>

</div>

<div id="part3">

<p> 7.Held in February of 2015, who won "Best International Female Solo Artist" at the 2015 Brit Awards? </p>

<ul>

<input type="radio" name="q7" value="Katyperry" id="q7a">Katy Perry<br/>

<input type="radio" name="q7" value="Beyonce" id="q7b">Beyonce<br/>

<input type="radio" name="q7" value="Shakira" id="q7c">Shakira<br/>

<input type="radio" name="q7" value="Taylorswift" id="q7d">Taylor Swift<br/>

</ul>

<p> 8.Larry Adler played what instrument?</p>

<ul>

<input type="radio" name="q8" value="Harmonica" id="q8a">Harmonica<br/>

<input type="radio" name="q8" value="Guitar" id="q8b">Guitar<br/>

<input type="radio" name="q8" value="Trumphet" id="q8c">Trumphet<br/>

<input type="radio" name="q8" value="Saxophone" id="q8d">Saxophone<br/>

</ul>

<p> 9. Name the famous German composer who continued writing musical pieces even after he turned deaf? </p>

<ul>

<input type="radio" name="q9" value="Bobdylan" id="q9a">Bob Dylan<br/>

<input type="radio" name="q9" value="Elvispresely" id="q9b">Elvis Presley<br/>

<input type="radio" name="q9" value="Bethoven" id="q9c">Bethoven<br/>

<input type="radio" name="q9" value="Ronniemilsap" id="q9d">Ronnie Milsap<br/>

</ul>

</div>

<div id="part4">

<p> 10.To which country does the musical stringed instrument ‘Balalaika’ belongs?</p>

<ul>

<input type="radio" name="q10" value="India" id="q10a">India<br/>

<input type="radio" name="q10" value="America" id="q10b">America<br/>

<input type="radio" name="q10" value="Germany" id="q10c">Germany<br/>

<input type="radio" name="q10" value="Russia" id="q10d">Russia<br/>

</ul>

<center><input type="button" value="Get Score" class="button1" id="Score" onclick="getScore(this.form);clearTimeout(myTimer)"></center>&nbsp

<center><input type="reset" value="Clear" class="button1" onclick="window.location.reload();"></center>

<br><br>

</div>

</div>

</form>

<center><div id="results">

</div>

</center>

<hr color="black"><br>

<div id="footer"><a href="ruvinicv.html">

Copyright (c) Ruvini Alwis.2017</a></div>

</body>

</html>

**css**

#timer\_heading2 {

font-family:'Comic Sans MS';

color: blue;

font-size: 30px;

font-weight: bold;

position:fixed;

float: right;

}

#button{

background:#008B8B;

color: balck;

font-weight: bold;

font-family: 'Comic Sans MS';

font-size: 20px;

border: balck;

border-width:0px;

border-radius: 2px;

}

body {

margin-top: 20px;

background-color:gray;

}

a {

color:black;

font-size: 18px;

font-weight: bold;

}

.questions{

font-size:15px;

font-family: 'Lucida Sans Unicode';

}

.button1 {

background: green;

display: inline-block;

text-align: center;

color: balck;

font-weight: bold;

padding: 20px;

font-family: 'Calbiri';

font-size: 18px;

border: balck;

border-width:0px;

border-radius: 2px;

position: fix;

top:50px;

left:50px;

}

#results {

font-size: 15px;

font-weight: bold;

color: blck;

}

#footer {

padding: 10px;

text-align: center;

left: 0px;

bottom:0;

background-color: #328CC1;

width: 100%;

}

**JS**

window.onload=timechecker;

var totalSeconds = 90;

var minutes= parseInt(totalSeconds/60);

var seconds = parseInt(totalSeconds%60);

var myTimer;

function timechecker(){

document.getElementById("timer\_heading2").innerHTML = minutes + ' min : ' + seconds + ' secs ' ;

if(totalSeconds <=0){

setTimeout('getScore()',1);

alert("Times up");

window.location.reload();

document.getElementById("timer\_heading2").innerHTML = "Time Up" ;

}

else {

totalSeconds = totalSeconds -1;

minutes = parseInt(totalSeconds/60);

seconds = parseInt(totalSeconds%60);

myTimer=setTimeout("timechecker()",1000);

}

}

var Questions= 10;

var Selections = 4;

var answers = new Array(10);

answers[0] = "Drum";

answers[1] = "Rihanna";

answers[2] = "Colonial Cousins";

answers[3] = "American";

answers[4] = "Beyonce";

answers[5] = "Alto";

answers[6] = "Taylor Swift";

answers[7] = "Harmonica";

answers[8] = "Bethoven";

answers[9] = "Russia";

function getScore(form) {

var marks = 0;

var currentEliment;

var currentSelection;

var wrongAns = 0;

var correctAns = 0;

var ansString = "";

for (i=0; i< Questions ; i++) {

currentEliment = i\*Selections;

for (j=0; j<Selections; j++) {

currentSelection = form.elements[currentEliment + j];

if (currentSelection.checked) {

if (currentSelection.value == answers[i]) {

correctAns++;

ansString +="Your answer" +" " + " " + currentSelection.value +" "+" is Correct" + "<br>"+ "<br>" ;

break;}

else{

wrongAns++;

ansString += "Your answer" +" " + " " + currentSelection.value +" "+" is Wrong" + "<br>"+ "<br>" ;

}

}

}

}

marks = correctAns\*2;

if (marks >= 0){

marks=marks;}

else

{

marks=0;

}

if (marks < 50) {

document.body.style.backgroundColor = "red";

}else {

document.body.style.backgroundColor = "green";

}

var correctAnswers = "";

for (i=1; i<=Questions; i++) {

correctAnswers += i + ". " + answers[i-1] + "\r\n" + "<br/>" + "<br/>";

}

document.getElementById("results").innerHTML +="Results:" + "<br>" + "<br>" + ansString+ "<br>" + "<br>" ;

document.getElementById("results").innerHTML +="Correct Answers:" + "<br>" + correctAnswers + "<br>" + "<br>";

document.getElementById("results").innerHTML += "Your Marks" + "<br>" + marks;

}

|  |  |  |  |
| --- | --- | --- | --- |
| **Student Name:** | **L.R.K.Alwis** | **Student Id:** | **2016194** |
| **State what tasks you carried out in the project.** | | | |
| I was student 03. So i Had to create a quiz with a timer and to create the student details page including the details of the team members. | | | |
| **State what you enjoyed and did not enjoy about teamwork.** | | | |
| Enjoyed: As a team we were able to come up with new craetive ideas and all the members shared there ideas among the others.  Did not Enjoy: should wait till we all meetup to link the website | | | |
| **State what you learnt about teamwork.** | | | |
| Respecting other peoples' ideas.  We heled each other to complete the relavant tasks.  A gud communication system and an understanding shoukd be their among the eam members. | | | |
| **State what skills you gained/learnt from undertaking the project.** | | | |
| Learnt how to design and think about the concept before staring a work(quiz)  Learnt new areas in css and html (hover effects)  Got a good practise in all three html javascript and css | | | |
| **State any strengths about yourself that emerged whilst undertaking the project.** | | | |
| A strength i discovered by doing this is the ability to do a task till the end with patience without giving up. | | | |
| **State any weaknesses about yourself that emerged whilst undertaking the project.** | | | |
| Waitinng till the last moment to complete tasks. | | | |
| **State how you would do things better if you were to undertake the project again.** | | | |
| I will definetely start my work early and will finish it two three days before the deadline | | | |
| **Additional general or project specific comments:** | | | |
| Got the CV format from Suleka | | | |
| **Student Signature:** |  | **Date:** | **21.03.2017** |