Web Design and Development

4COSC011W

Report

Author: Samithu Dinil Jayatunge

Student ID:20210831

Group Number: M6

Student Role: Student 3

Link(s) to WebSite

URL:

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# Introduction

Section guidelines:

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

| **Group Coursework Meetings** (minimum 6 meetings, e.g., one per week) | | |
| --- | --- | --- |
| **1** | **Date & Time** | **2022.03.04** |
| **Objective:** | **Discuss about the topic and divide roles among members** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Provided suggestions on deciding the roles** |
| **2** | **Date & Time:** | **2022.03.16** |
| **Objective:** | **Discussed about the structure of the pages** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Gave suggestions on how the web pages should look like** |
| **3** | **Date & Time:** | **2022.03.22** |
| **Objective:** | **Check the progress** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Discussed and shared my progress to the other members.** |
| **4** | **Date & Time:** | **2022.03.30** |
| **Objective:** | **Finalize the project** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Finalized the work before submission** |
| **Etc….** | | |

# Technical Discussion

*Max 1000 words*

Section guidelines:

* Discuss the development of the tasks that **you were allocated**. This technical discussion must include the approach taken, and explanations of how the required functionality was implemented. Illustrate your explanation with code snippets and screenshots. Also explain the difficulties you faced and how you solved them.
* Illustrate your technical discussion with screenshots and code samples.
* **Discuss only the following tasks that you were allocated.**
* **State if any of your allocated tasks were not completed.**

Student 1:

## Presentation Page

## Buy products

## Student 2:

* Main site navigation &External CSS

## Query Form

Student 3:

## Quiz

* Student details

Student 4:

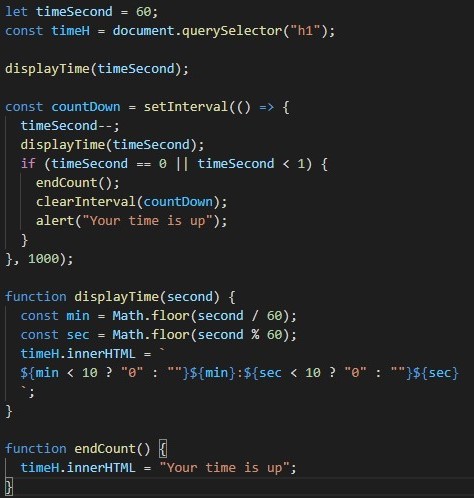
* Diagram (SVG)

## Thumbnail Images

(All students) Page Editor Page, Main (Home) Page, Extra content page relevant to topic.

I started doing the quiz first. I wrote the code in html and then referred to some external sources to get an idea about how to implement the radio buttons on the quiz and to generate the correct answers so that the web page will be able to show the user how much points he/she scored. I didn’t want to make it too advance so I wanted to make the quiz minimalistic so that the person answering the quiz will not feel that the quiz is complicated. I had to face many difficulties in completing the quiz one was the timer. I tried creating timers for around 5 times but all them didn’t work and some did work but it didn’t stop at the duration it was intended to stop(which is 1 minute).However I found a code in stackoverflow.com that looked promising it did work better than the other timers but still it wasn’t fulfilling my requirement. So I had to change that code too according to the Coursework specification then found out that this was the correct timer that I should’ve used before. I managed to change it so that it displays a message after one minute which is the time limit of the quiz that should be in.

Also I was able to use the get Radio Value function after going through my lecture notes.



For the radio buttons in the quiz I found a solution through youtube this was very helpful as previously I made the quiz without radio buttons then I had to do the quiz entirely from the beginning.

Text

Description automatically generated

After that I was able to get the radio buttons of the quiz and it worked very well.

I couldn’t do the background color change according to the score of the user and to show the correct/incorrect answers as a summary .Eventhough I was able to add the countdown timer I couldn’t do find a solution in order to find the time taken by the user to finish the quiz.

In the student details section I found it difficult to do the Image hover effect. I tried many times but failed to get it to work properly. Eventually I managed to find a code which did the image hover effect and provided the student details that are required. This was only possible through css and it took me so much of time but still I managed to do it. The hover effects were very effective and I was able to complete the student details section fully. Effective css was the most important aspect here as the details should be only displayed when the user hovers the cursor over the pictures of the members in the group. However this section was a lot challenging than that of the radio button quiz.

Graphical user interface, text, application, chat or text message

Description automatically generated

# Webpage Validation Statement

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

1. Quiz

2. Student details

3. Additional Content page

# Janet

Section guidelines: Explain how your web site complied with Janet Regulations, [Janet Policies and Legal Requirements](https://community.jisc.ac.uk/library/janet-services-documentation/janet-policies-and-legal-requirements). Max 200 words

My web site compiled with the Janet Regulations as it has acceptable use policy which is one of the main policies and regulations of Janet and further it also has a local acceptable use policy which indicates that the website could be used as a private website so that it will not be exposed to the public.

# References

Provide references to resources you have used.

1. Youtube

2. Stackoverflow.com

# Appendices

## Appendix A: Code

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

* Filename
* Code

Filename-Quiz.html

## <!DOCTYPE html>

## <html lang="en">

## <head>

## <meta charset="UTF-8">

## <title>CRICK-HITS QUIZ</title>

## <link rel="stylesheet" href="Quiz.css">

## 

## </head>

## <body>

## 

## <div class="navbar">

## <a href="#"></a> <img id =navimage src="CRICK-HITS-LOGO.jpeg" alt="logo">

## <a href="#"><i class="home"></i> Home</a>

## <a href="#"><i class="buy"></i> Buy products</a>

## <a href="#"><i class="about"></i>About</a>

## <a href="#"><i class="sitemap"></i> Sitemap</a>

## <a href="#"><i class="query"></i>Query form</a>

## <a href="#"><i class="thumbnail"></i>Thumbnail</a>

## 

## 

## 

## </div>

## 

## <h2>CRICK-HITS QUIZ</h2>

## 

## <section>

## <div class="container">

## <h1>00:00</h1>

## </div>

## </section>

## 

## 

## 

## Q1. Which country won the 2014 T20 World cup?<br>

## <input type="radio" name="Question 1" id="correct1">Sri Lanka<br>

## <input type="radio" name="Question 1" >West Indies<br>

## <input type="radio" name="Question 1" >England<br>

## <input type="radio" name="Question 1" >India<br>

## Q2. Virat Kohli played his 100th test match against which opponent?<br>

## <input type="radio" name="Question 2">England<br>

## <input type="radio" name="Question 2" >New Zealand<br>

## <input type="radio" name="Question 2" >South Africa<br>

## <input type="radio" name="Question 2" id="correct2" >Sri Lanka<br>

## 

## Q3. Which player hit the most sixes in the 2021 T20 WC?<br>

## <input type="radio" name="Question 3">Kane Williamson<br>

## <input type="radio" name="Question 3">Babar Azam<br>

## <input type="radio" name="Question 3">David Warner<br>

## <input type="radio" name="Question 3" id="correct3">Jos Buttler<br>

## Q4. Which batter scored the most fifty-plus scores in the 2021 T20 world cup?<br>

## <input type="radio" name="Question 4">Charith Asalanka<br>

## <input type="radio" name="Question 4" id="correct4">Babar Azam<br>

## <input type="radio" name="Question 4">David Warner<br>

## <input type="radio" name="Question 4">Mohommad Rizwan<br>

## Q5. What was the highest team total in the 2021 edition T20 WC?<br>

## <input type="radio" name="Question 5">200<br>

## <input type="radio" name="Question 5">194<br>

## <input type="radio" name="Question 5" id="correct5">210<br>

## <input type="radio" name="Question 5">190<br>

## Q6. Which player holds the record for the fastest fifty in a T20 WC final?<br>

## <input type="radio" name="Question 6">Kane Williamson<br>

## <input type="radio" name="Question 6" id="correct6">Mitchell Marsh<br>

## <input type="radio" name="Question 6">Daryll Mitchell<br>

## <input type="radio" name="Question 6">Matthew Wade<br>

## Q7. Who was the player of the tournament in 2021 T20WC?<br>

## <input type="radio" name="Question 7">Matthew Wade<br>

## <input type="radio" name="Question 7">Adam Zampa<br>

## <input type="radio" name="Question 7">Charith Asalanka<br>

## <input type="radio" name="Question 7" id="correct7">David Warner<br>

## Q8. Which of the following players do not have a T20 World cup hat-trick?<br>

## <input type="radio" name="Question 8">Bret Lee<br>

## <input type="radio" name="Question 8" id="correct8">Lasith Malinga<br>

## <input type="radio" name="Question 8">Wanindu Hasaranga<br>

## <input type="radio" name="Question 8">Kagiso Rabada<br>

## Q9. Who holds the record for the highest individual score in T20 World Cup history?<br>

## <input type="radio" name="Question 9" id="correct9">Brendon Mcculum<br>

## <input type="radio" name="Question 9">Chris Gayle<br>

## <input type="radio" name="Question 9">Alex Hales<br>

## <input type="radio" name="Question 9">Tamim Iqbal<br>

## Q10. Which batsmen has the highest average in T20 World Cup history?<br>

## <input type="radio" name="Question 10" id="correct10">Virat Kohli<br>

## <input type="radio" name="Question 10">Chris Gayle<br>

## <input type="radio" name="Question 10">Jp Duminy<br>

## <input type="radio" name="Question 10">Rohit Sharma<br>

## <input type="submit" name="submit" value="Submit Quiz" onclick="result()">

## <script type="text/javascript">

## let selectedRadioOptions=getRadioValue(Crick-Hits.responses);

## alert(selectedRadioOptions);

## function getRadioValue(){

## const values = [];

## for ( let i = 0; i< radioArray.length; i++) {

## if ( radioArray[i].checked){

## return radioArray[i].value;

## }

## }

## return "";

## }

## function result(){

## 

## var score=0;

## if (document.getElementById('correct1').checked)

## {

## score++;

## }

## if (document.getElementById('correct2').checked)

## {

## score++;

## }

## if (document.getElementById('correct3').checked)

## {

## score++;

## }

## if (document.getElementById('correct4').checked)

## {

## score++;

## }

## if (document.getElementById('correct5').checked)

## {

## score++;

## }

## if (document.getElementById('correct6').checked)

## {

## score++;

## }

## if (document.getElementById('correct7').checked)

## {

## score++;

## }

## if (document.getElementById('correct8').checked)

## {

## score++;

## }

## if (document.getElementById('correct9').checked)

## {

## score++;

## }

## if (document.getElementById('correct10').checked)

## {

## score++;

## }

## 

## document.write("Your score is:"+score);

## }

## if (score >=6){

## {

## great;

## }

## 

## document.write(":"+great);

## 

## }

## 

## </script>

## <script src="Quiz.js"></script>

## <h4>Dinil Jayatunge-20210831-w1868302</h4>

## <a name="top"></a>

## <a href="#top">Back to top of page</a>

## </body>

## </html>

Filename-Quiz.css

## Filename-Quiz.css

## #navimage{

## width:120px;

## float: left;

## }

## .navbar {

## width: 100%;

## background-color: skyblue;

## overflow: auto;

## margin-top: 10px;

## }

## .navbar a {

## float: left;

## text-align: center;

## padding: 20px;

## color: white;

## text-decoration: none;

## font-size: 18px;

## }

## .navbar a:hover {

## background-color: #000;

## }

## body{

## background-color: palegreen;

## align-items: center;

## }

## .radio{

## color: aqua;

## background-color: aqua;

## }

## .correct1 .correct2 .correct3 .correct4 .correct5 .correct6 .correct7 .correct8 .correct9 .correct10{

## color: greenyellow;

## }

## .great{

## background-color: Green;

## }

## h2{

## font-size: large;

## font-weight: 800;

## color: blueviolet;

## text-align: center;

## }

## .TimeLeft{

## font-weight: 800;

## font-size: large;

## color: powderblue;

## }

Filename-Quiz.js

let timeSecond = 60;

const timeH = document.querySelector("h1");

displayTime(timeSecond);

const countDown = setInterval(() => {

timeSecond--;

displayTime(timeSecond);

if (timeSecond == 0 || timeSecond < 1) {

endCount();

clearInterval(countDown);

alert("Your time is up");

}

}, 1000);

function displayTime(second) {

const min = Math.floor(second / 60);

const sec = Math.floor(second % 60);

timeH.innerHTML = `

${min < 10 ? "0" : ""}${min}:${sec < 10 ? "0" : ""}${sec}

`;

}

function endCount() {

timeH.innerHTML = "Your time is up";

}

## Filename-Images.html

## <!DOCTYPE html>

## <html lang="en">

## <head>

## <meta charset="UTF-8">

## <title>CRICK-HITS</title>

## <link rel="stylesheet" href="images.css">

## </head>

## <body>

## 

## <div class="navbar">

## <a href="#"></a> <img id =navimage src="CRICK-HITS-LOGO.jpeg" alt="logo">

## <a href="#"><i class="home"></i> Home</a>

## <a href="#"><i class="buy"></i> Buy products</a>

## <a href="#"><i class="about"></i>About</a>

## <a href="#"><i class="sitemap"></i> Sitemap</a>

## <a href="#"><i class="query"></i>Query form</a>

## <a href="#"><i class="thumbnail"></i>Thumbnail</a>

## 

## 

## 

## </div>

## <h2>Student Details</h2>

## <div class="container">

## <div class="box">

## <div class="imgBx">

## <img src="Dinil2.JPEG" alt="Dinil Jayatunge, Student 3">

## </div>

## <div class="content">

## <h2>Dinil Jayatunge, Student 3</h2>

## </div>

## </div>

## </div>

## <div class="container">

## <div class="box">

## <div class="imgBx">

## <img src="IMG-20220327-WA0000.JPG" alt="Denith Pramuditha, Student 1">

## </div>

## <div class="content">

## <h2>Denith Pramuditha, Student 1</h2>

## </div>

## </div>

## </div>

## <div class="container">

## <div class="box">

## <div class="imgBx">

## <img src="IMG-20220327-WA0001.JPG" alt="Sathiyamurthi Dilukshan, Student 4">

## </div>

## <div class="content">

## <h2>Sathiyamurthi Dilukshan, Student 4</h2>

## </div>

## </div>

## </div>

## <div class="container">

## <div class="box">

## <div class="imgBx">

## <img src="IMG-20220327-WA0002.JPG" alt="Ravindu Wijesekara, student 2">

## </div>

## <div class="content">

## <h2>Ravindu Wijesekara, Student 2</h2>

## 

## </div>

## </div>

## </div>

## </body>

## 

## 

## </html>

Filename-Images.css

#navimage{

width:120px;

float: left;

}

.navbar {

width: 100%;

background-color: skyblue;

overflow: auto;

margin-top: 10px;

}

.navbar a {

float: left;

text-align: center;

padding: 20px;

color: white;

text-decoration: none;

font-size: 18px;

}

.navbar a:hover {

background-color: #000;

}

\*

{

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: "Montserrat", sans-serif;

}

body

{

display: inline;

justify-content: center;

align-items: center;

min-height: 100vh;

}

.container

{

position: relative;

width: 275px;

height: 275px;

overflow: hidden;

transition: 0.1s;

}

.container .box:hover

{

z-index:1;

transform: scale(1.25);

box-shadow: 0 25px 40px rgba(0,0,0,.5);

}

.container .box .imgBx

{

position: absolute;

top: 0;

Left: 0;

width: 100%;

height: 100% ;

}

.container .box .imgBx::before

{

content:"";

position: absolute;

top: 0;

left: 0 ;

width: 100% ;

height: 100%;

z-index: 1;

background: linear-gradient(180deg,#f00,#000);

mix-blend-mode: multiply;

opacity: 0;

transition: 0.1s;

}

.container .box:hover .imgBx::before

{

opacity: 0;

}

.container .box .imgBx img

{

position: absolute;

top: 0;

Left: 0;

width: 100%;

height: 100%;

object-fit: cover ;

}

.container .box .content

{

position: absolute;

top: 0;

left: 0;

width: 100%;

height: 100%;

z-index: 2;

display: flex;

padding: 20px;

align-items: flex-end;

}

.container .box .content h2

{

color: #fff;

transition: 0.5s;

text-transform: uppercase;

margin-bottom: 5px;

font-size: 20px;

transform: translateY(200px) ;

}

.container .box:hover .content h2

{

transform: translateY(0) ;

transition-delay: 0.1s;

}

.background

{

color: aqua;

}

## Filename-Contentpage.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>CRICK-HITS\_CONTENT</title>

<link rel="stylesheet" href="content.css">

</head>

<body>

<div class="navbar">

<a href="#"></a> <img id =navimage src="CRICK-HITS-LOGO.jpeg" alt="logo">

<a href="#"><i class="home"></i> Home</a>

<a href="#"><i class="buy"></i> Buy products</a>

<a href="#"><i class="about"></i>About</a>

<a href="#"><i class="sitemap"></i> Sitemap</a>

<a href="#"><i class="query"></i>Query form</a>

<a href="#"><i class="thumbnail"></i>Thumbnail</a>

</div>

<h2>Cricket Facts</h2>

<p>1. Cricket is a popular sport – so popular that it is considered the second most-loved sport in the world. It is enjoyed by more than 2.5 billion fans in 180 countries. This sport is most popular in England, Australia, and subcontinental Asia (especially India and Pakistan).<br>

2. Cricket was originally a children’s game played in England during the 16th century, specifically in the southeastern counties. When the British expanded overseas, they brought the game with them.<br>

3. The man considered as the father of cricket is William Gilbert (W.G.) Grace. He played amateur cricket in England and is credited for helping develop the sport into the modern obsession that it has become.<br>

4. The first Test cricket captains for the English team were James Lillywhite and David Gregory. Of the two, Lillywhite was the first to play. He died in 1929, becoming the last player of the very first Test match to pass away.<br>

5. Cricket is played in several formats but the three major forms are: Twenty20, One-Day Internationals (ODI), and Test matches. Of these, the Test match is the traditional form, having been used since 1877. It is also considered the highest level.<br>

6. Although there are 31 countries that play cricket in the international stage, only 12 have qualified for Test status. The first countries to acquire this status are England and Australia (1877) and the latest is Afghanistan (2018).<br></p>

<img src="CRICK-IMAGE.jpg" alt="Crowd watching a cricket match">

<p>8. The oldest cricket world championship is the ICC Women’s Cricket World Cup. The first tournament, which was hosted by England, was held in 1973. The English team was champion of the first edition.<br>

9. The first cricket World Cup was held in 1975, participated in by the men’s teams. The title was won by the West Indies, with Australia placing second.<br>

10. The country with the most losses in International Cricket is England, having played 691 unsuccessful matches. They have also played the most games (1,885).<br>

11. The cricket pitch is 20.12 meters (22 yards) in length and 3.05 meters (3.33 yards) in width. The length of 22 yards is considered a chain, which was used as a standard of measurement for land during the 18th century. The chain is 1/10th of a unit of measurement called furlong, which is the average length of land that a team of workers could plough in one day.<br>

12. The surface of the cricket pitch may be covered by very short grass and must be flat. In some venues, the playing surface may be made of artificial material or even dry soil. The pitch is never altered or repaired during a game as long as the wear is considered normal. Only during special circumstances is the pitch repaired.<br>

13. The condition of the cricket pitch may change the strategy of a team. If the ground is dry, the best bowl would be the spin, which means the team’s top spin bowlers should be chosen for the job because their skill will give their team a significant advantage.<br></p>

<img src="Wickets.jpg" alt="Stumps">

<p>15. The small gates through which cricket balls must pass through are called “wickets”. The term is used due to the similarity of the stumps to wicket gates, which are small pedestrian gates or doors.<br>

16. The original cricket wickets used only two stumps over which a bail is attached. This design was changed in 1775 after an English cricketer, Lumpy Stevens, was able to bowl three consecutive balls that shot clear between the stumps. This is why modern wickets have three stumps instead of just two.<br>

</p>

<img src="Stumps.jpg" alt="Cricket Stumps">

<a name="top"></a>

<a href="#top">Back to top of page</a>

</body>

</html>

Filename-Contentpage.css

#navimage{

width:120px;

float: left;

}

.navbar {

width: 100%;

background-color: skyblue;

overflow: auto;

margin-top: 10px;

}

.navbar a {

float: left;

text-align: center;

padding: 20px;

color: blue;

text-decoration: none;

font-size: 18px;

}

.navbar a:hover {

background-color: #000;

}

img

{

height: auto;

width: 500px;

align-items: center;

}

\*{

background-color: aqua;

}

h2{

text-align: center;

font-weight: 800;

font-size: 35px;

font-style: italic;

font-family: Verdana, Geneva, Tahoma, sans-serif;

color: blue;

}

body{

font-weight: 500;

font-size: 20px;

font-style: italic;

font-family: Verdana, Geneva, Tahoma, sans-serif;

color: darkblue;

}

Filename-Page Editor.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>PageEditor</title>

<style>

body{

background-color: aqua;

}

.header{

text-align: center;

font-family: Verdana, Geneva, Tahoma, sans-serif;

font-size: 50px;

}

.text{

font-size: 30px;

}

</style>

</head>

<body>

<div class=" header">

<h2>

Page editor page

</h2>

</div>

<div class="text">

<p>Name:Dinil Jayatunge<br>Role:Student 3<br>Tasks completed:<br><br><br>

1.Quiz<br>

2.Student details with hover effects<br>

3.Additional content Page<br>

4. Added Style to main page<br>

</div>

</body>

</html>

## Appendix B: Screenshots

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

* Filename
* Screenshot(s)

Filename-Quiz.html

Graphical user interface

Description automatically generatedGraphical user interface, text

Description automatically generated

Filename-Student details

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, Word

Description automatically generated

Filename-additional Content Page

Graphical user interface, text

Description automatically generatedGraphical user interface, text

Description automatically generatedGraphical user interface, text

Description automatically generated

Filename-Page editor

Graphical user interface, text

Description automatically generated

## Appendix C: Screenshots - Webpage Validation Evidence

**Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated**

Quiz

**Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated**

Student Details with images

## Graphical user interface, text, application Description automatically generatedCccGraphical user interface, text, application, email Description automatically generated

## Content page validation

## Appendix D: Individual Statement

| Student Name: | Samithu Dinil Jayatunge | Student Id: | 20210831 |
| --- | --- | --- | --- |
| State what tasks you carried out in the project. | | | |
| 1.Quiz  2.Student details page with image hover effects.  3.Additional Content Page.  4.Added Css to the main page.  5.Page Editor. | | | |
| State what you enjoyed and did not enjoy about teamwork. | | | |
| We worked well as a team helping each other when required. However, it was a bit difficult to schedule meetings due to power cuts. But overall I enjoyed working in a team as lots of ideas were gathered and all of the team members did their best to complete this coursework. | | | |
| State what you learnt about teamwork. | | | |
| Teamwork isn’t only about each individual doing his/her task but it’s where you can share ideas and help others to overcome their weaknesses as well. It’s also about guiding not only yourself but also all the members in the team to complete the overall tasks prior to deadlines. | | | |
| State what skills you gained/learnt from undertaking the project. | | | |
| I learned a lot about javascript and how useful it is when creating a web page. Also I learnt to help others in the team with their work and also got know the use of more HTML tags when it comes to a scenario as such creating a quiz and creating a student details page. | | | |
| State any strengths about yourself that emerged whilst undertaking the project. | | | |
| I was very enthusiastic about this Coursework and that motivated and encouraged me to complete my tasks that were allocated to me. I was also very confident about myself eventhough I had some pressure situations due to the workload. | | | |
| State any weaknesses about yourself that emerged whilst undertaking the project. | | | |
| I thought I could have done more styling to my web pages but eventually I didn’t have enough time to do so. As of now I think my time management needs to be improved moving forward. | | | |
| State how you would do things better if you were to undertake the project again. | | | |
| I would create a deadline for myself before the actual deadline and finish it early so that I won’t have to make any compromises on my tasks even if it’s a bit of styling which is required. | | | |
| Additional general or project specific comments: | | | |
| This group work helped me a lot to improve my skills to work in a team. | | | |