

PROFESSIONAL TRAINING REPORT at

Sathyabama Institute of Science and Technology (Deemed to be University)

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Engineering Degree in Computer Science and Engineering

By

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REG NO : 40732010



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SCHOOL OF COMPUTING
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI
– 600119, TAMILNADU**

NOVEMBER 2022



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC

(Established under Section 3 of UGC Act, 1956)

JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI- 600119

www.sathyabamauniversity.ac.in



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **PANTANGI SHIVA HARSHA VARDHAN (40732010)** who carried out the project entitled "**Online Quiz Website**" under my supervision from Aug 2022 to Nov 2022.

Internal Guide

Dr.Karupura Deepan, Assistant Professor, Ph.D.

Head of the Department

Dr. L. LAKSHMANAN, M.E., Ph.D.,

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Submitted for Viva voce Examination held on 12-09-2022

Internal Examiner

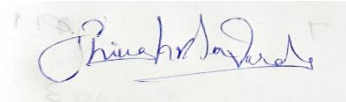
External Examiner

DECLARATION

I, **PANTANGI SHIVA HARSHA VARDHAN(40732010)** hereby declare that the Project Phase-1 Report entitled “**ONLINE QUIZ WEBSITE**” done by me under the guidance of **Dr.Karupura Deepan, Assistant Professor, Ph.D.** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in **Computer Science and Engineering with Specialization in INTERNET OF THINGS.**

DATE:12-09-2022

PLACE: CHENNAI



SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

We are pleased to acknowledge our sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. We are grateful to them.

We convey our thanks to **Dr. T.Sasikala M.E., Ph. D, Dean**, School of Computing, **Dr.S.Vigneshwari M.E., Ph.D., Dr. L.Lakshmanan M.E., Ph.D.**, Head of the Department of Computer Science and Engineering for providing us necessary support and details at the right time during the progressive reviews.

We would like to express our sincere and deep sense of gratitude to our Project Guide **Dr.Karupura Deepan, Assistant Professor, Ph.D.** for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of our phase-1 project work.

We wish to express our thanks to all Teaching and Non-teaching staff members of the **Department of Computer Science and Engineering** who were helpful in many ways for the completion of the project.

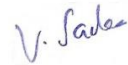
TRAINING CERTIFICATE



CERTIFICATE

HCL Technologies

This is to certify that Mr./Ms. *PANTHANGI SHIVA HARSHA VARDHAN*, Register Number *40732010* studying in *Sathyabama Institute of Science and Technology (Deemed to be University)* has completed his/her Mini-Project titled **ONLINE QUIZ WEBAPPLIICATION** with us as a part of MoU initiatives in the period July –Dec, 2022.

A handwritten signature in blue ink, appearing to read 'V. Sankaran', is positioned above the printed name of the official.

Dr.V.Sankaran
STAR

Engineering and R&D Services (ERS)

Date: Dec 2022

ABSTRACT

The project: "Online Quiz Web Application" is a collection of number of different types of quizzes like technical, games, sports, etc. A user can access/play all of the quiz and can attempt any of the one. There will be limited number of questions and for each correct answer user will get a credit score. User can see answers as well as can ask a query related to it. There are many quiz applications available currently on internet. But there are few Which provide better understanding between users and the application like, providing proper answers, user query solving, uploading user questions as well as answer to it, etc. To develop a user friendly quiz application which will contain: Numbers of quiz , Answers to every question, Query solving regarding any question, Uploading of user question and answer, and to improve the knowledge level of users. To develop an application which will contain solution to the above problems. By this application the user will come to know about his/her level and can learn additional knowledge. Also by this application a user can expand his/her knowledge among the world.

TABLE OF CONTENTS :

Chapter No	TITLE	Page No.
	ABSTRACT	i
	LIST OF FIGURES LIST OF ABBREVIATIONS	iii
1	INTRODUCTION	1-3
2	SCOPE OF THE PROJECT 2.1 Scope	4
	2.2 To improve knowledge on different concepts.	
3	EXPERIMENTAL,FUNCTIONAL REQUIRMENTS AND METHODS	5-8
	3.1 HTML	
	3.2 CSS	
	3.3 Javascript	
4	RESULTS AND DISCUSSIONS	9
	4.1 Conclusion	
	4.2 Summary	
5	SUMMARY AND CONCLUSION	10-11
	APPENDIX SCREENSHOTS SOURCE CODE	12-38

LIST OF FIGURES**FIGURE No****FIGURE NAME****PAGE No**

3.1	HTML	5
3.2	CSS	6
3.3	JAVASCRIPT	7
3.4	IDEATION MAP	7
3.5	ARCHITECTURE DIAGRAM	8
4.1	OUTPUT	9

LIST OF ABBREVIATIONS**ABBREVIATION****EXPANSION**

JPG	Joint Photographic Group
HTML	Hyper Text Markup Language
CSS	Cascading Style Sheets
JAVASCRIPT	Adds Dynamic Nature to the WebPage

CHAPTER - 1 INTRODUCTION

- The project: “Quiz Application” is a collection of number of different types of quizzes like technical, games, sports, etc.
- A user can access/play the entire quiz and can attempt any of the one.
- There will be limited number of questions and for each correct answer user will get a credit score.
- User can see answers as well as can ask a query related to it. There are many quiz applications available currently on internet.
- But there are few which provide better understanding between users and the application like, providing proper answers, user query Solving, uploading user questions as well as answer to it, etc.
- To develop a user friendly quiz application. which will contain : Numbers of quiz, Answers to every question, Query solving regarding any question, Uploading of user question and answer, and to improve the knowledge level of users.
- To develop an application which will contain solution to the above problems. By this application the user will come to know about his/her level and can learn additional knowledge.
- Also by this application a user can expand his/her knowledge among the world

OBJECTIVES OF THE PROJECT:

- “Our aim is to develop an application for the users in which a user can attempt any number of quizzes related to his/her choice.”
- The main objective of “Quiz Application” is to facilitate a user friendly environment for all users and reduces the manual effort. In past days quiz is conducted manually but in further resolution of the technology we are able to generate the score and pose the queries automatically.
- The functional requirements include creating users that are going to participate in the quiz, automatic score and report generation and administrative tasks like add, delete, update for admin privilege users.

- In this application, all the permissions lies with the administrator i.e., specifying the details of the quiz with checking result will show to interviewee or not, addition of question and answers, marks for each question, Set timer for each quiz and generate report with score for each quiz.

ADVANTAGES OF ONLINE QUIZ WEBSITE:

Engage your audience

Engage your audience in a unique and fun way and connect them to your brand or learning material. By creating a returning event, you will improve your consumer loyalty.

Large number

Taking online quizzes makes it possible to have a large number of participants. It could be up to a number of 1000 participants (and even more!). It doesn't matter at what kind of location they take the online quiz as long as they are connected to the Internet.

Randomizing questions

It is significant more easy to randomize your question with just one click than to do it all manually. Randomizing questions and even answers of those questions is not a lot a of work to do with online quizzes. Besides the advantage of time saving, it also helps preventing students from cheating.

Quiz results/ gain insight in audience

Another plus of online quizzes is getting immediate results from your participants. Not only does the creator get the results, the participant itself is also possible to get his or her results. This makes it for the creator easy to identify the gaps in knowledge. The participants are able to view on what kind of section they have to improve themselves.

DISADVANTAGES OF ONLINE QUIZ WEBSITE :

1. No face to face interaction between the students and teacher.
2. User cannot add Questions for others.
3. User cannot see profile of other user.
4. Questions may take time to arrive due to slow internet connections

CHAPTER – 2 SCOPE OF THE PROJECT

SCOPE :

- The Scope of this project is very broad in terms of gaining knowledge and sharing knowledge among world.
- Few points are:-
 1. Can be used anywhere any time as it is a web based application.
 2. This application will be used in educational institutions as well as in corporate world.

EXPERIMENTAL METHODS USED :

- A online WebApplication , here admin is able to add any number of questions and we used time limit for each question that adds extra interactivity to the webpage that is done by javascript function.
- After finishing the quiz we get the score displayed on the page.we can add any numbers of questions as per our requirement.
- CSS is used to add colors and style the content and adding background image.

CHAPTER – 3

EXPERIMENTAL, MATERIAL REQUIRMENTS AND METHODS

3.1 TOOLS USED:

HTML :

It is used for creating web pages and web applications. Let us see what is meant by Hypertext Markup Language, and Web page.

Hyper Text: Hypertext simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. Hypertext is a way to link two or more web pages (HTML documents) with each other.

Markup language: A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links, etc.

Web Page: A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified by entering an URL. A Web page can be of the static or dynamic type. With the help of HTML only, we can create static web pages.



FIG 3.1 HTML

CSS:

It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.



FIG.3.2 CSS

JAVASCRIPT:

JavaScript is a lightweight, interpreted programming language. It is designed for creating network-centric applications. It is complimentary to and integrated with Java. JavaScript is very easy to implement because it is integrated with HTML. It is open and cross-platform. It mainly adds dynamic nature to our website.



FIG 3.3 JAVA SCRIPT

IDEATION MAP :

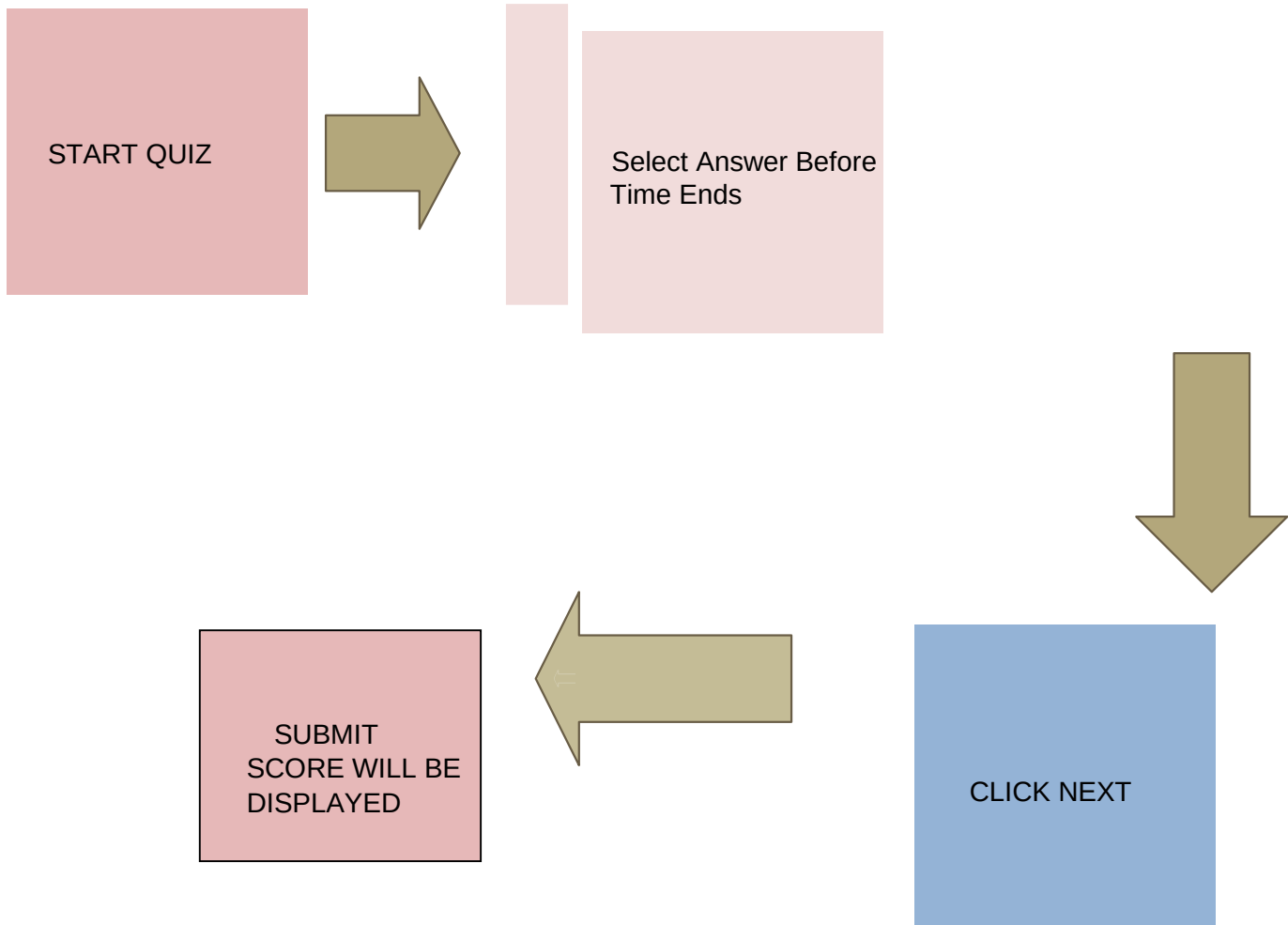


FIG 3.4 IDEATION MAP

ARCHITECTURE DIAGRAM :

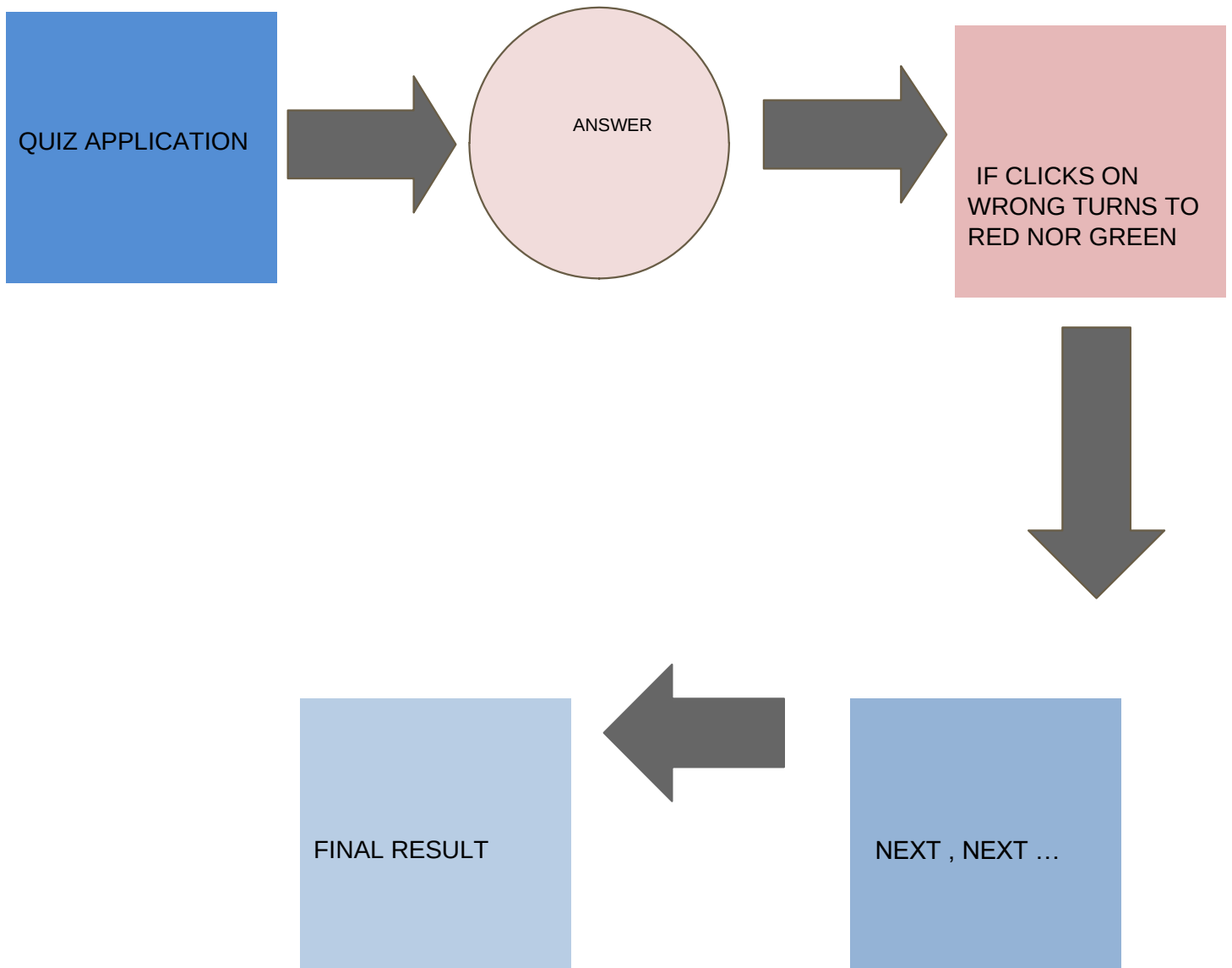


FIG.3.5 ARCHITECTURE DIAGRAM

CHAPTER – 4 RESULTS AND DISCUSSIONS

4.1 RESULTS

Online quiz website is designed for all the students. real time working of this project is successful. this website provides accessibility to the user. user interface and user experience are also considered.

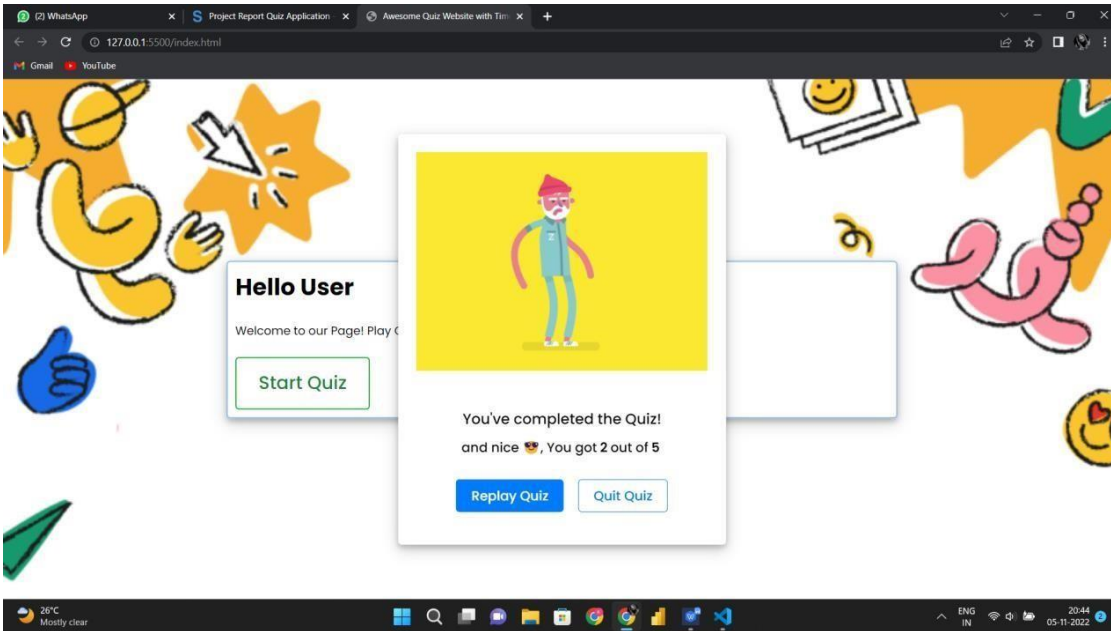
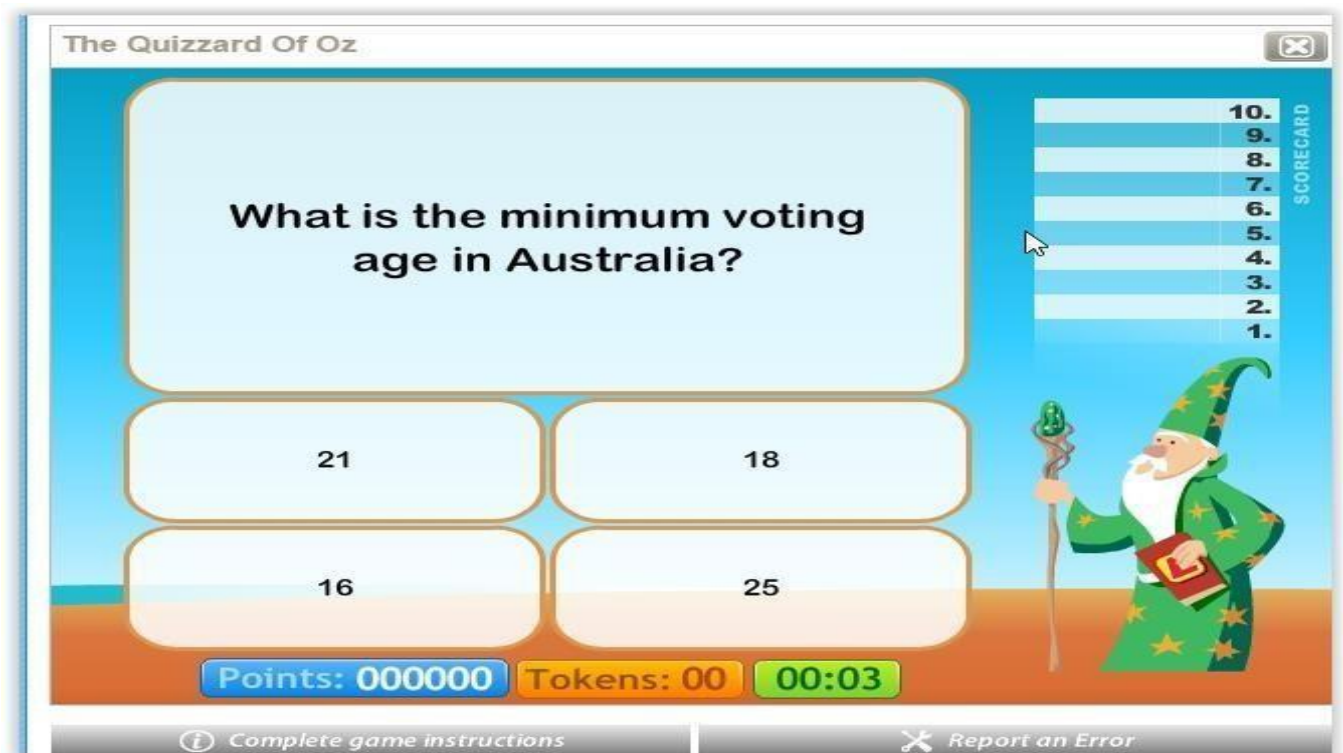


FIG.4.1 OUTPUT

CHAPTER – 5 SUMMARY AND CONCLUSIONS

5.1 CONCLUSION :

Quiz application provides facility to attempt quiz anywhere and anytime. It save time since user does need to wait for result. So student/user cannot wait for the result. All Student/ user get extra knowledge and skills. Administrator has a privilege to put as much as question in given Quiz in application. There is instruction page for students to get information about quiz like number of question, given time etc. After that student get the result of quiz. so, student cannot wait for result. also admin is responsible to add, delete and update question in the system. also he can view result of all students. It has been a great pleasure for me to work on this exciting and challenging project.



5.2 SUMMARY :

Using quiz Applications students/professionals can improve there knowledge on various areas and improve there skills.

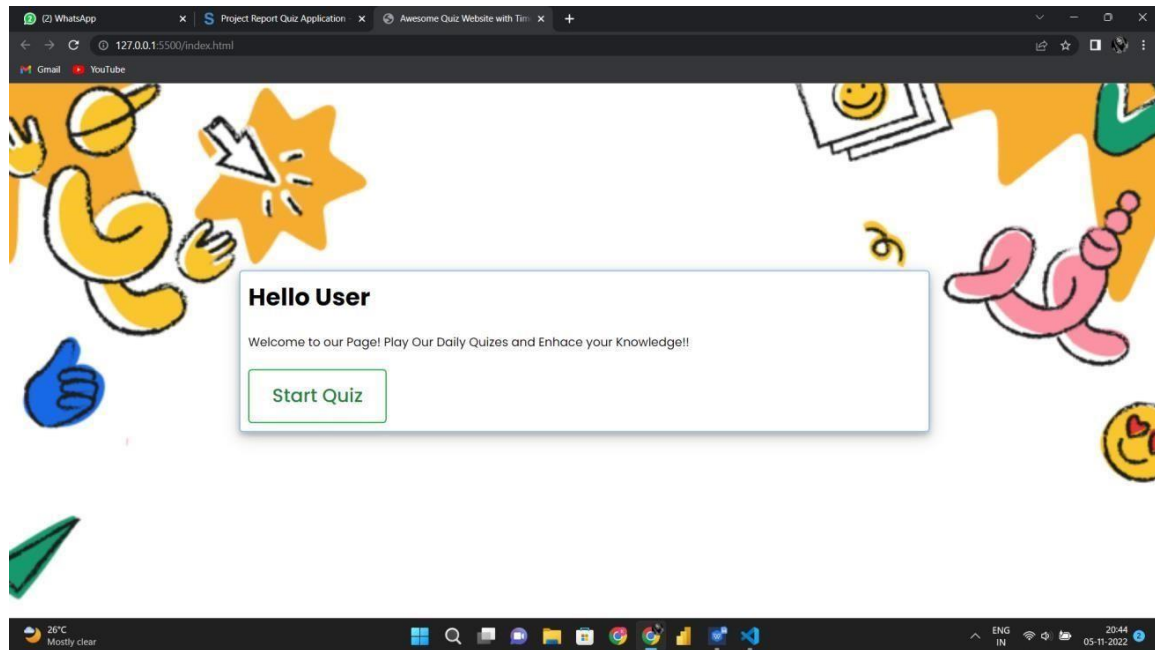
REFERENCES

- https://en.wikipedia.org/wiki/Online_quiz
- https://www.w3schools.com/html/html_quiz.asp
- <http://www.scribd.com>

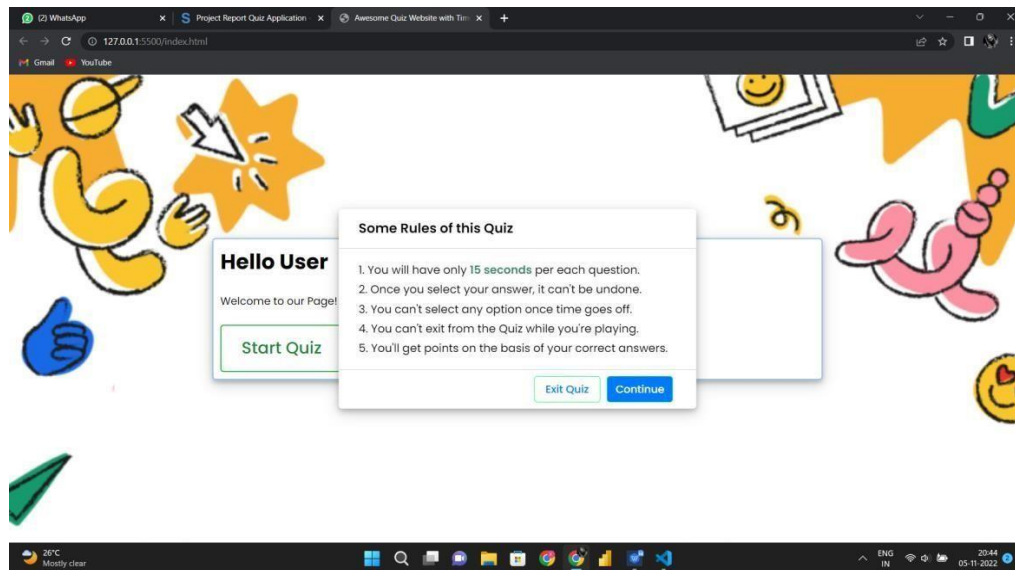
APPENDIX

A.SCREENSHOTS :

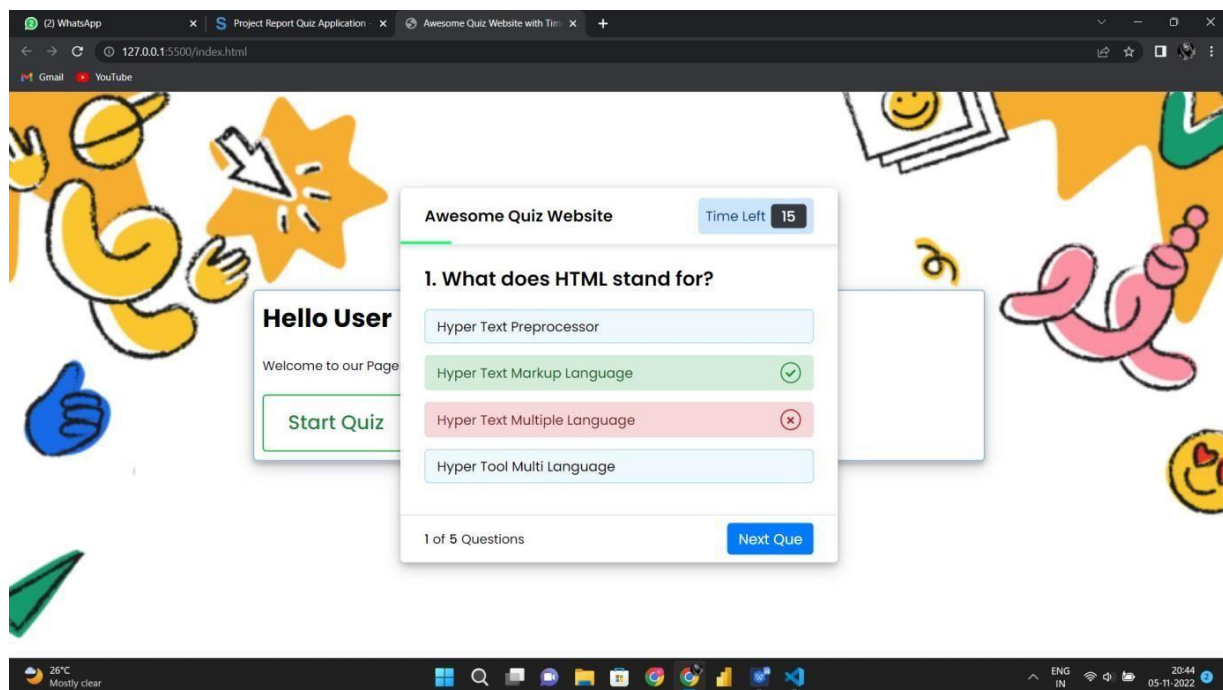
ONLINE QUIZ WEBSITE :



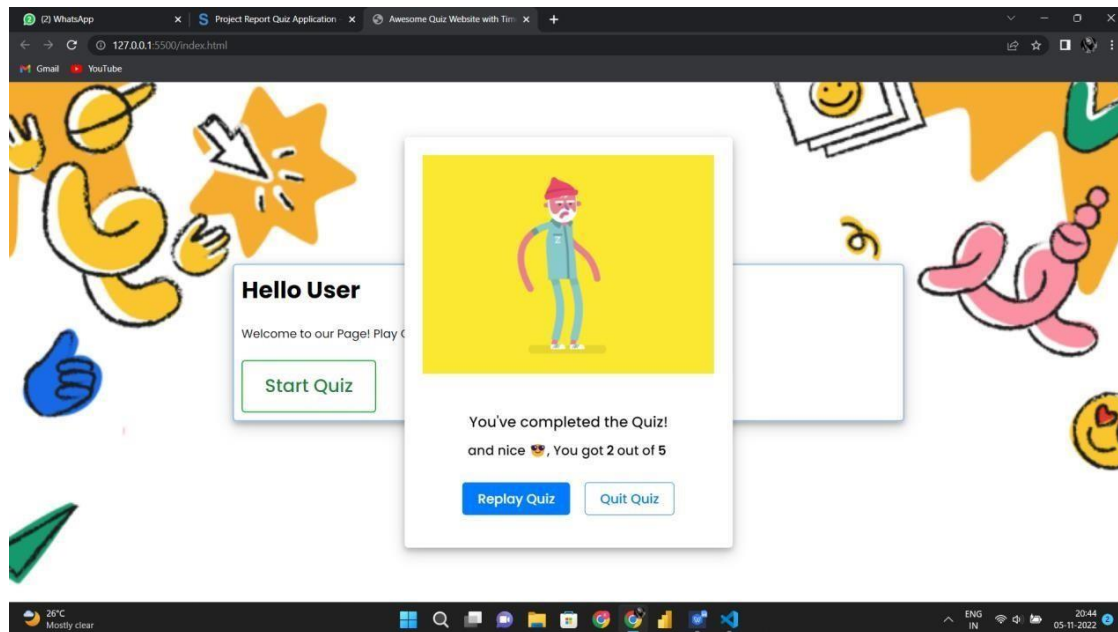
INSTRUCTIONS :



SELECT ANSWER:



SUBMIT :



B.SOURCE CODE

Index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Awesome Quiz Website with Timer</title>

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

<!-- FontAweome CDN Link for Icons-->

<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/5.15.3/css/all.min.css"/>

</head>

<body class="back_ground">

<!-- start Quiz button -->

<div class="start_btn" style="border: 2px solid rgba(122, 170, 226, 0.829); border-radius:
5px;">
```

```

<h1>Hello User</h1> <br>
<p>Welcome to our Page! Play Our Daily Quizes and Enhace your Knowledge!!</p><br>
<button style="border: 2px solid rgb(23, 176, 56); border-radius: 5px blue;">Start Quiz</button>
</div>

<!-- Info Box -->
<div class="info_box">
<div class="info-title"><span>Some Rules of this Quiz</span></div>
<div class="info-list">
<div class="info">1. You will have only <span>15 seconds</span> per each question.</div>
<div class="info">2. Once you select your answer, it can't be undone.</div>
<div class="info">3. You can't select any option once time goes off.</div>
<div class="info">4. You can't exit from the Quiz while you're playing.</div>
<div class="info">5. You'll get points on the basis of your correct answers.</div>
</div>
<div class="buttons">
<button class="quit">Exit Quiz</button>
<button class="restart">Continue</button>
</div>
</div>

<!-- Quiz Box -->
<div class="quiz_box">
<header>
<div class="title">Awesome Quiz Website</div>
<div class="timer">
<div class="time_left_txt">Time Left</div>
<div class="timer_sec">15</div>
</div>
<div class="time_line"></div>
</header>
<section>

```

```

<div class="que_text">
<!-- Here I've inserted question from JavaScript -->
</div>
<div class="option_list">
<!-- Here I've inserted options from JavaScript -->
</div>
</section>

<!-- footer of Quiz Box -->
<footer>
<div class="total_que">
<!-- Here I've inserted Question Count Number from JavaScript -->
</div>
<button class="next_btn">Next Que</button>
</footer>
</div>

<!-- Result Box -->
<div class="result_box">
<div class="icon">

</div>
<div class="complete_text">You've completed the Quiz!</div>
<div class="score_text">
<!-- Here I've inserted Score Result from JavaScript -->
</div>
<div class="buttons">
<button class="restart">Replay Quiz</button>
<button class="quit">Quit Quiz</button>
</div>
</div>

<!-- Inside this JavaScript file I've inserted Questions and Options only -->

```

```

<script src="js/questions.js"></script>

<!-- Inside this JavaScript file I've coded all Quiz Codes -->
<script src="js/script.js"></script>

</body>
</html>

```

Style.css

```

/* importing google fonts */

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700&dis
play=swap'); *{ margin: 0; padding: 0; box-sizing: border-box; font-family: 'Poppins', sans-
serif;
} body{

background: url('https://www.buzzfeed.com/staticassets/quizparty/_next/static/images/background-
mobile-
80e4cb88302b915369dd867d671d1656.png') no-repeat fixed center ; background-size:
cover;

}

::selection{ color:
rgb(61, 92, 124);
background: #47617c;
} .start_btn{ margin: auto;
width: 60%; border: 3px
solid #73AD21; padding:
10px; }
.start_btn,
.info_box,
.quiz_box, .result_box{ position: absolute;
top: 50%; left: 50%; transform: translate(-

```

```

50%, -50%); box-shadow: 0 4px 8px 0
rgba(0, 0, 0, 0.2),
0 6px 20px 0 rgba(0, 0, 0, 0.19);
}

.info_box.activeInfo,
.quiz_box.activeQuiz,
.result_box.activeResult{ opacity: 1; z-
index: 5; pointer-events: auto; transform:
translate(-50%, -50%) scale(1); }

.start_btn button{
font-size: 25px;
font-weight: 500;
color: #1b863b;
padding: 15px 30px;
outline: none;
border: none;
border-radius: 5px;
background: #fff;
cursor: pointer; }

.info_box{ width: 540px; background: #fff;
border-radius: 5px; transform: translate(-
50%, -50%) scale(0.9); opacity: 0; pointer-
events: none; transition: all 0.3s ease; }

.info_box .info-title{ height: 60px;
width: 100%; border-bottom: 1px
solid lightgrey; display: flex;
align-items: center; padding: 0
30px; border-radius: 5px 5px 0 0;
font-size: 20px; font-weight: 600;
}

```

```

.info_box .info-list{
padding: 15px 30px; }

.info_box .info-list .info{
margin: 5px 0; font-size:
17px; }

.info_box .info-list .info span{
font-weight: 600; color:
#448772; } .info_box .buttons{
height: 60px; display: flex;
align-items: center; justify-
content: flex-end; padding: 0
30px; border-top: 1px solid
lightgrey; }

.info_box .buttons button{
margin: 0 5px; height:
40px; width: 100px; font-
size: 16px; font-weight:
500; cursor: pointer;
border: none; outline:
none; border-radius: 5px;
border: 1px solid #00ff55;
transition: all 0.3s ease; }

.quiz_box{ width: 550px; background: #fff;
border-radius: 5px; transform: translate(-
50%, -50%) scale(0.9); opacity: 0; pointer-
events: none; transition: all 0.3s ease; }

.quiz_box header{ position: relative; z-index:
2; height: 70px; padding: 0 30px; background:
#fff; border-radius: 5px 5px 0 0; display: flex;

```

```
align-items: center; justify-content: space-between; box-shadow: 0px 3px 5px 1px rgba(0,0,0,0.1); }
```

```
.quiz_box header .title{ font-size: 20px; font-weight: 600; }
```

```
.quiz_box header .timer{ color: #004085; background: #cce5ff; border: 1px solid #b8daff; height: 45px; padding: 0 8px; border-radius: 5px; display: flex; align-items: center; justify-content: space-between; width: 145px; }
```

```
.quiz_box header .timer .time_left_txt{ font-weight: 400; font-size: 17px; user-select: none; }
```

```
.quiz_box header .timer .timer_sec{ font-size: 18px; font-weight: 500; height: 30px; width: 45px; color: #fff; border-radius: 5px; line-height: 30px; text-align: center; background: #343a40; border: 1px solid #343a40; user-select: none; }
```

```
.quiz_box header .time_line{ position: absolute;
```

```
bottom: 0px; left: 0px; height: 3px; background: #00ff66; }
```

```
section{ padding: 25px 30px
```

```
20px 30px; background: #fff; }  
section .que_text{ font-size:  
25px; font-weight: 600; }  
section .option_list{ padding:  
20px 0px; display: block; }  
section .option_list .option{  
background: aliceblue; border:  
1px solid #84c5fe; border-  
radius: 5px; padding: 8px 15px;  
font-size: 17px; margin-  
bottom: 15px; cursor: pointer;  
transition: all 0.3s ease;  
display: flex; align-items:  
center; justify-content: space-  
between;
```

```

}

section .option_list .option:last-
child{ margin-bottom: 0px; } section
.option_list .option:hover{ color:
#004085; background: #cce5ff;
border: 1px solid #b8daff;
} section .option_list
.option.correct{ color: #155724;
background: #d4edda; border: 1px
solid #c3e6cb;
} section .option_list
.option.incorrect{ color: #721c24;
background: #f8d7da; border: 1px
solid #f5c6cb;
} section .option_list
.option.disabled{ pointer-events:
none; } section .option_list .option
.icon{ height: 26px; width: 26px;
border: 2px solid transparent;
border-radius: 50%; text-align:
center; font-size: 13px;
pointer-events: none;
transition: all 0.3s
ease; line-height:
24px; }
.option_list .option
.icon.tick{ color: #23903c;
border-color: #23903c;
background: #d4edda; }

```

```

.option_list .option
.icon.cross{ color: #a42834;
background: #f8d7da; border-
color: #a42834; } footer{
height: 60px; padding: 0 30px;
display: flex; align-items:
center; justify-content: space-
between; border-top: 1px solid
lightgrey;
} footer .total_que
span{ display: flex;
user-select: none; }
footer .total_que span
p{ font-weight: 500;
padding: 0 5px;

footer .total_que span p:first-
child{ padding-left: 0px; } footer
button{ height: 40px; padding: 0
13px; font-size: 18px; font-
weight: 400; cursor: pointer;
border: none; outline: none; color:
#fff; border-radius: 5px;
background: #007bff; border: 1px
solid #007bff; line-height: 10px;
opacity: 0; pointer-events: none;
transform: scale(0.95); transition:
all 0.3s ease; } footer
button:hover{ background:

```

```
}
```

```
#0263ca; } footer button.show{  
opacity: 1; pointer-events: auto;  
transform: scale(1);
```

```
}
```

```
.result_box{ background: #fff; border-  
radius: 5px; display: flex; padding: 25px  
30px; width: 450px; align-items: center;  
flex-direction: column; justify-content:  
center; transform: translate(-50%, -50%)  
scale(0.9); opacity: 0; pointer-events: none;  
transition: all 0.3s ease; }
```

```
.result_box .icon{ font-  
size: 100px; color:  
#007bff; margin-  
bottom: 10px; }
```

```
.result_box .complete_text{  
font-size: 20px; font-  
weight: 500; }
```

```
.result_box .score_text span{  
display: flex; margin: 10px  
0; font-size: 18px; font-  
weight: 500;
```

```
.result_box .score_text span p{  
padding: 0 4px; font-weight:  
600; }
```

```
.result_box .buttons{  
display: flex;  
margin: 20px 0; }
```

```
.result_box .buttons button{  
margin: 0 10px; height:  
45px; padding: 0 20px;  
font-size: 18px; font-
```

```
}
```

```
weight: 500; cursor:  
pointer; border: none;  
outline: none; border-  
radius: 5px; border: 1px  
solid #007bff; transition: all  
0.3s ease; }
```

```
.buttons button.restart{  
color: #fff;  
background: #007bff; }
```

```
.buttons button.restart:hover{ background:  
#0263ca;  
}
```

```
.buttons button.quit{  
color: #007bff;  
background: #fff; }
```

```
.buttons button.quit:hover{  
color: #fff; background:  
#007bff;  
}
```

Questions.js

```
let questions = [ { numb: 1, question:  
"What does HTML stand for?", answer:  
"Hyper Text Markup Language",  
options: [  
"Hyper Text Preprocessor",  
"Hyper Text Markup Language",  
"Hyper Text Multiple Language",  
"Hyper Tool Multi Language"  
]  
}
```

```
}, { numb: 2, question: "What does  
CSS stand for?", answer: "Cascading  
Style Sheet", options: [  
"Common Style Sheet",  
"Colorful Style Sheet",  
"Computer Style Sheet",  
"Cascading Style Sheet"
```

```

]
}, { numb: 3, question: "What does
PHP stand for?", answer: "Hypertext
Preprocessor", options: [ "Hypertext
Preprocessor",
"Hypertext Programming",
"Hypertext Preprogramming",
"Hometext Preprocessor"
]
}, { numb: 4, question: "What does
SQL stand for?", answer: "Structured
Query Language", options: [
"Stylish Question Language",
"Stylesheet Query Language",
"Statement Question Language",
"Structured Query Language"
]
}, { numb: 5, question: "What does
XML stand for?", answer: "eXtensible
Markup Language", options: [
"eXtensible Markup Language",
"eXecutable Multiple Language", "eXTra Multi-Program Language",
"eXamine Multiple Language"
]
},
];

```

Script.js

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//selecting all required elements const start_btn =
document.querySelector(".start_btn button"); const info_box =
document.querySelector(".info_box"); const exit_btn =
info_box.querySelector(".buttons .quit"); const continue_btn =

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info_box.querySelector(".buttons .restart"); const quiz_box =
document.querySelector(".quiz_box"); const result_box =
document.querySelector(".result_box"); const option_list =
document.querySelector(".option_list"); const time_line =
document.querySelector("header .time_line"); const timeText =
document.querySelector(".timer .time_left_txt"); const timeCount
= document.querySelector(".timer .timer_sec");

// if startQuiz button clicked start_btn.onclick =
()=>{ info_box.classList.add("activeInfo"); //show
info box }

// if exitQuiz button clicked exit_btn.onclick = ()=>{
info_box.classList.remove("activeInfo"); //hide info box
}

// if continueQuiz button clicked continue_btn.onclick
= ()=>{
info_box.classList.remove("activeInfo"); //hide info box
quiz_box.classList.add("activeQuiz"); //show quiz box showQuestions(0);
//calling showQuestions function queCounter(1); //passing 1 parameter to
queCounter startTimer(15); //calling startTimer function
startTimerLine(0); //calling startTimerLine function
} let timeValue = 15; let que_count = 0; let que_numb = 1; let
userScore = 0; let counter; let counterLine; let widthValue = 0;
const restart_quiz = result_box.querySelector(".buttons .restart");
const quit_quiz = result_box.querySelector(".buttons .quit");

// if restartQuiz button clicked restart_quiz.onclick = ()=>{
quiz_box.classList.add("activeQuiz"); //show quiz box
result_box.classList.remove("activeResult"); //hide result box
timeValue = 10; que_count = 0; que_numb = 1; userScore =
0; widthValue = 0;

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showQuetions(que_count); //calling showQestions function
queCounter(que_numb); //passing que_numb value to queCounter
clearInterval(counter); //clear counter clearInterval(counterLine); //clear
counterLine startTimer(timeValue); //calling startTimer function
startTimerLine(widthValue); //calling startTimerLine function
timeText.textContent = "Time Left"; //change the text of timeText to Time Left
next_btn.classList.remove("show"); //hide the next button
}

// if quitQuiz button clicked quit_quiz.onclick = ()=>{
window.location.reload(); //reload the current window
} const next_btn = document.querySelector("footer .next_btn"); const
bottom_ques_counter = document.querySelector("footer .total_que");

// if Next Que button clicked next_btn.onclick = ()=>{ if(que_count < questions.length -
1){ //if question count is less than total question length que_count++; //increment the
que_count value que_numb++; //increment the que_numb value
showQuetions(que_count); //calling showQestions function queCounter(que_numb);
//passing que_numb value to queCounter clearInterval(counter); //clear counter
clearInterval(counterLine); //clear counterLine startTimer(timeValue); //calling
startTimer function startTimerLine(widthValue); //calling startTimerLine function
timeText.textContent = "Time Left"; //change the timeText to Time Left
next_btn.classList.remove("show"); //hide the next button
}else{
clearInterval(counter); //clear counter
clearInterval(counterLine); //clear counterLine showResult();
//calling showResult function
}
}

// getting questions and options from array function
showQuetions(index){ const que_text =

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document.querySelector(".que_text"); //creating a new
span and div tag for question and option and passing
the value using array index let que_tag = '<span>'+
questions[index].numb + ". " +
questions[index].question + '</span>'; let option_tag =
'<div class="option"><span>'+
questions[index].options[0] + '</span></div>'
+ '<div class="option"><span>'+ questions[index].options[1] + '</span></div>'
+ '<div class="option"><span>'+ questions[index].options[2] + '</span></div>' +
'<div class="option"><span>'+ questions[index].options[3] + '</span></div>';
que_text.innerHTML = que_tag; //adding new span tag inside que_tag
option_list.innerHTML = option_tag; //adding new div tag inside option_tag
const option = option_list.querySelectorAll(".option");

// set onclick attribute to all available options for(i=0; i
< option.length; i++){ option[i].setAttribute("onclick",
"optionSelected(this)");
}
}

// creating the new div tags which for icons let tickIconTag = '<div class="icon
tick"><i class="fas fa-check"></i></div>'; let crossIconTag = '<div class="icon
cross"><i class="fas fa-times"></i></div>';

//if user clicked on option function optionSelected(answer){ clearInterval(counter);
//clear counter clearInterval(counterLine); //clear counterLine let userAns =
answer.textContent; //getting user selected option let correcAns =
questions[que_count].answer; //getting correct answer from array const allOptions
= option_list.children.length; //getting all option items if(userAns == correcAns){
//if user selected option is equal to array's correct answer userScore += 1;
//upgrading score value with 1 answer.classList.add("correct"); //adding green color
to correct selected option answer.insertAdjacentHTML("beforeend", tickIconTag);

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//adding tick icon to correct selected option console.log("Correct Answer");
console.log("Your correct answers = " + userScore);

}else{ answer.classList.add("incorrect"); //adding red color to correct selected option
answer.insertAdjacentHTML("beforeend", crossIconTag); //adding cross icon to correct
selected option console.log("Wrong Answer"); for(i=0; i < allOptions; i++){
if(option_list.children[i].textContent == correcAns){ //if there is an option which is matched
to an array answer option_list.children[i].setAttribute("class", "option correct"); //adding
green color to matched option option_list.children[i].insertAdjacentHTML("beforeend",
tickIconTag); //adding tick icon to matched option console.log("Auto selected correct
answer.");
}
} } for(i=0; i < allOptions; i++){ option_list.children[i].classList.add("disabled"); //once user
select an option then disabled all options } next_btn.classList.add("show"); //show the next
button if user selected any option
} function

showResult(){

info_box.classList.remove("activeInfo"); //hide info box
quiz_box.classList.remove("activeQuiz"); //hide quiz box
result_box.classList.add("activeResult"); //show result box
const scoreText = result_box.querySelector(".score_text"); if
(userScore > 3){ // if user scored more than 3

//creating a new span tag and passing the user score number and total question number
let scoreTag = '<span>and congrats! , You have got <p>'+ userScore +'</p> out of <p>'+
questions.length +'</p></span>'; scoreText.innerHTML = scoreTag; //adding new span tag
inside score_Text
} else if(userScore > 1){ // if user scored more than
1
let scoreTag = '<span>and nice , You got <p>'+ userScore +'</p> out of <p>'+
questions.length +'</p></span>'; scoreText.innerHTML = scoreTag;
} else{ // if user scored less than
1

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let scoreTag = '<span>and sorry , You got only <p>' + userScore + '</p> out of <p>' +
questions.length + '</p></span>'; scoreText.innerHTML = scoreTag;
} } function startTimer(time){ counter = setInterval(timer, 1000); function
timer(){ timeCount.textContent = time; //changing the value of timeCount with
time value time--; //decrement the time value if(time < 9){ //if timer is less than 9
let addZero = timeCount.textContent; timeCount.textContent = "0" + addZero;
//add a 0 before time value
}
if(time < 0){ //if timer is less than 0 clearInterval(counter); //clear counter
timeText.textContent = "Time Off"; //change the time text to time off const
allOptions = option_list.children.length; //getting all option items let correcAns =
questions[que_count].answer; //getting correct answer from array for(i=0; i <
allOptions; i++){

if(option_list.children[i].textContent == correcAns){ //if there is an option which is matched
to an array answer option_list.children[i].setAttribute("class", "option correct"); //adding
green color to matched option option_list.children[i].insertAdjacentHTML("beforeend",
tickIconTag); //adding tick icon to matched option console.log("Time Off: Auto selected
correct answer.");
} } for(i=0; i < allOptions; i++){ option_list.children[i].classList.add("disabled"); //once user
select an option then disabled all options } next_btn.classList.add("show"); //show the next
button if user selected any option
}
} } function startTimerLine(time){ counterLine = setInterval(timer, 29); function timer(){
time += 1; //upgrading time value with 1 time_line.style.width = time + "px"; //increasing
width of time_line with px by time value if(time > 549){ //if time value is greater than
549 clearInterval(counterLine); //clear counterLine
}
} } function
queCounter(index){

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//creating a new span tag and passing the question number and total question let
totalQueCounTag = '<span><p>'+ index +'</p> of <p>'+ questions.length +'</p>
Questions</span>';

bottom_ques_counter.innerHTML = totalQueCounTag; //adding new span tag inside
bottom_ques_counter
}
```

GITHUB LINK: <https://github.com/Pantangishiva/OnlineQuizWebApplication>