**Rajiv Gandhi University of Knowledge and Technologies(RGUKT),
R.K.Valley, Kadapa, Andra Pradesh.**

Project Report
On
Online Quiz

Submitted by
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Under the guidance of
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DECLARATION

We hereby declare that the report of the B.Tech Mini Project Work entitled "ONLINE QUIZ" which is being submitted to Rajiv Gandhi University of Knowledge Technologies, RK Valley, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in Computer Science and Engineering, is a bonafide report of the work carried out by us. The material contained in this report has not been submitted to any university or institution for award of any degree.

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M.Swapna-R171193

Dept. Of Computer Science and Engineering

CERTIFICATE

This is certify that the project entitled "ONLINE QUIZ" submitted by K.Likitha(R171200),M.Swapna(R171193), under our guidance and supervision for the partial fulfillment for the degree Bachelor of Technology in Computer Science and Engineering during the academic semester -2 2021-2022 at RGUKT, RK VALLEY.To the best of my knowledge, the results embodied in this dissertation work have not been submitted to any University or Institute for the award of any degree or diploma.

Project Internal Guide   **Head of the Department**

Mr.K.Vinod Kumar   Mr.P.Harinath
Assistant Professor   HOD Of CSE
RGUKT, RK Valley   RGUKT, RK Valley

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of the people who made it possible and whose constant guidance and encouragement crown all the efforts success.

I am extremely grateful to our respected Director, Prof. K. SANDHYA RANI for fostering an excellent academic climate in our institution.

I also express my sincere gratitude to our respected Head of the Department Mr.P.Harinath for his encouragement, overall guidance in viewing this project a good asset and effort in bringing out this project.

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My sincere thanks to all the members who helped me directly and indirectly in the completion of project work. I express my profound gratitude to all our friends and family members for their encouragement.

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Abstract

The project "ONLINE QUIZ" is a collection of different types of quizes like technical,apptitude,logical reasoning etc.,A user can 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 score.Users can see answers.To develop a user friendly quiz application which will contain:Numbers of quiz,Answers to every question,Uploading of user question and answer and to improve the knowledge level of users.To develop a 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.

Introduction

1.1 **Purpose**

This web application provides facility to Play online quiz and practice apptitude,technical,and logical.It provides a good platform,where a student not only judges there knowledge/skill but also they can improve knowledge/skill at the same time.

1.2 **Scope**

The Scope of this project is very broad in terms of gaining knowledge and sharing knowledge with others.

-can be used anywhere any time as it is a web based application.

-This application will be used in educational instutions as well as in corporate world.

1.3 **Problem Definition**

"Our aim is to develop a application for the users in which a user can attempt any number of quiz related to his/her choice." First we have to make interfaces for Home page,Questions attempting forum,Result page.Many By this application user can gain ,and knowledge,can solve his/her query and spread his/her knowledge with others.

1.4 **Proposed solution**

The main requirement of application is to find questions and answers.In this application the user open the web app and choose any of the quiz of his/her choice.Before starting the quiz there is instruction window in which there are instruction related to attempt the quiz.After it user can start attaining the quiz.Here user can see answers are right or wrong and can also see the answer each.After completion of the quiz user will get credit score for each of its correct answers.Initially the questions are given by the admin but after sometime the user itself can submit questions and answers.

Product Perspective:

It is a quiz application which is based on web application.It usually interacts with user and students.Mainly it is quiz application in which there are categories.Individual category will held 5 questions and each question carries mark.There is no negative markin.If we do not attempt any question then it will no go to next question.

In result screen,it will show total marks obtain in quiz,wrong answer will be shown while answering the quiz.

Product Function:

Start quiz:User can play the quiz according to their choice.
Result: User attempted the quiz and gets a result.
Replay:User can attempt the quiz again.
Add Questions: Admin can add the question by selecting the topic.

Benefits:

◆ Online quiz are a popular form of entertainment for web surfers. Online Quiz are generally free to play & for entertainment purposes only though ONLINE QUIZ website offer prices.

Online quiz is setup to actually test knowledge or identity a person's attribute. Some companies use online quiz as   an efficient way of ttesting a potential hire's knowledge   without that candidate needing to travel.

Disadvantage:

◆ You must take the time to conduct a proper screening to make sure the quizzes and links work properly.

Requirement Specification

Hardware Configuration:

Client side:

RAM	512 GB
Hard disk	10 GB
Processor	1.0 GHz

Server side:

RAM	1 GB
Hard disk	20 GB
Processor	2.0 GHz

Software Requirement

Front end	HTML,CSS,JavaScript,Jquery
Web Browser	Firefox , Google Chrome or any compatible browser
Operating System	Ubuntu,Windows or any equivalent OS
Software	Visual Studio

Technologies Covered:

HTML:

   HTML stands for Hyper Text Markup Language.HTML provides the basic structure of sites,which is enhanced and modified by other technologies like css and javascript.

CSS:

   CSS stands for cascading style sheet.CSS is used to presentation,formatting and layout.CSS

JavaScript:

   JavaScript is a lightwieght interpreted programming language of an application used both on the client-side and server-side that allows you to make web pages interactive.
   JavaScript is used to control the behaviour of different elements.

Jquery:

   Jquery is an open-sourced javascript library designed to simplify HTML DOM traversal and manipulation,as well as event handling,css animation,and Ajax.The purpose of jQuery is to make it easier to use javascript on your website.

Functional Requirements:

This section gives a functional requirement that applicable to the online quiz system.

There are two modules in this phase:

1.<u>User module:</u>
   The user can choose any of the given quiz.Then the user will get result immediately after the completion of test.

2.<u>Admin module</u>
   The admin can add the question by selecting the particular topic.

Non-Functional Requirements:

➢ The system can support multiple computer but it need to be install on every computer seperately.

➢ User activities are secure.

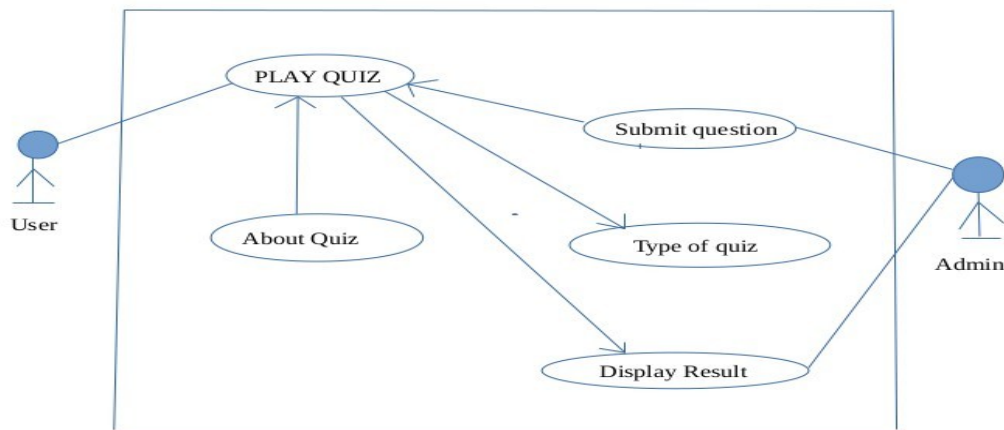➢ Any modification for the data shall be synchronized and done by system admin.

USE CASE DIAGRAM:

Use case diagrams model behaviour within a system and helps the developers understand of what user require.The stick man represents whats called an actor.
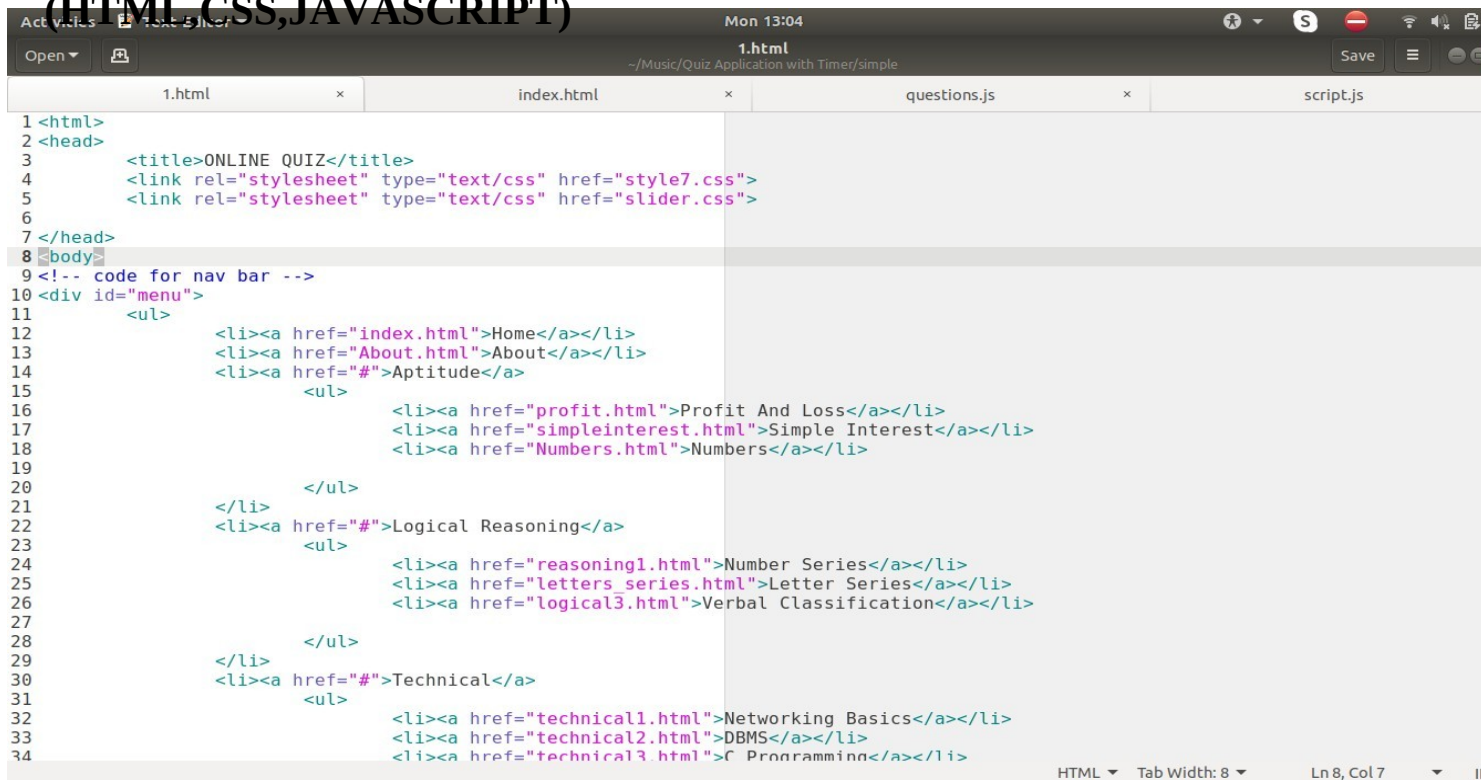
   The purpose is to show the interaction between the use case and actor.

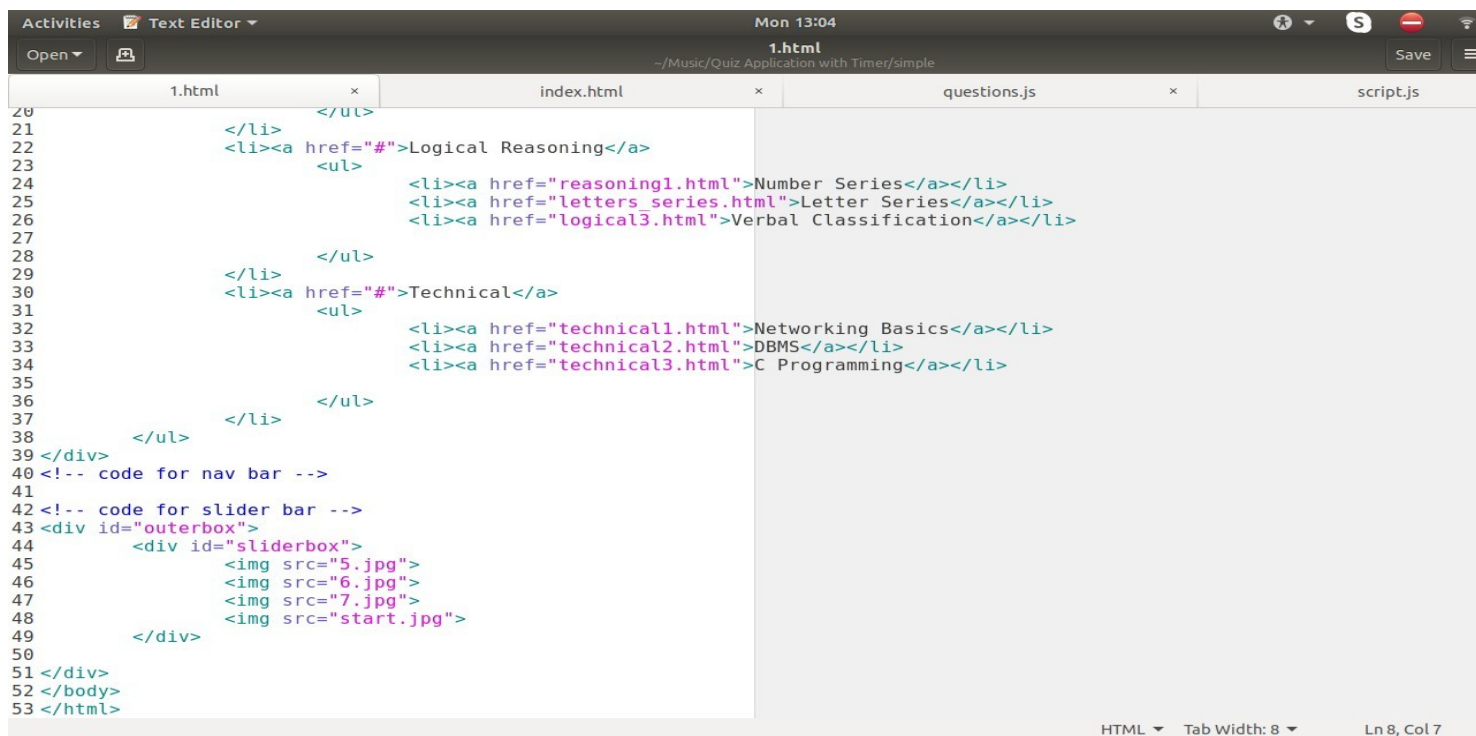   To represent the system requirements from users perspective.

   An actor could be the end-user of the system or an external system.Use case digram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do.

IMPLEMENTATION (HTML CSS,JAVASCRIPT)

1.html | **index.html** | **questions.js** | **script.js**

```html
1 <html>
2 <head>
3        <title>ONLINE QUIZ</title>
4        <link rel="stylesheet" type="text/css" href="style7.css">
5        <link rel="stylesheet" type="text/css" href="slider.css">
6
7 </head>
8 <body>
9 <!-- code for nav bar -->
10 <div id="menu">
11        <ul>
12                <li><a href="index.html">Home</a></li>
13                <li><a href="About.html">About</a></li>
14                <li><a href="#">Aptitude</a>
15                    <ul>
16                        <li><a href="profit.html">Profit And Loss</a></li>
17                        <li><a href="simpleinterest.html">Simple Interest</a></li>
18                        <li><a href="Numbers.html">Numbers</a></li>
19
20                    </ul>
21                </li>
22                <li><a href="#">Logical Reasoning</a>
23                    <ul>
24                        <li><a href="reasoning1.html">Number Series</a></li>
25                        <li><a href="letters_series.html">Letter Series</a></li>
26                        <li><a href="logical3.html">Verbal Classification</a></li>
27
28                    </ul>
29                </li>
30                <li><a href="#">Technical</a>
31                    <ul>
32                        <li><a href="technical1.html">Networking Basics</a></li>
33                        <li><a href="technical2.html">DBMS</a></li>
34                        <li><a href="technical3.html">C Programming</a></li>
```
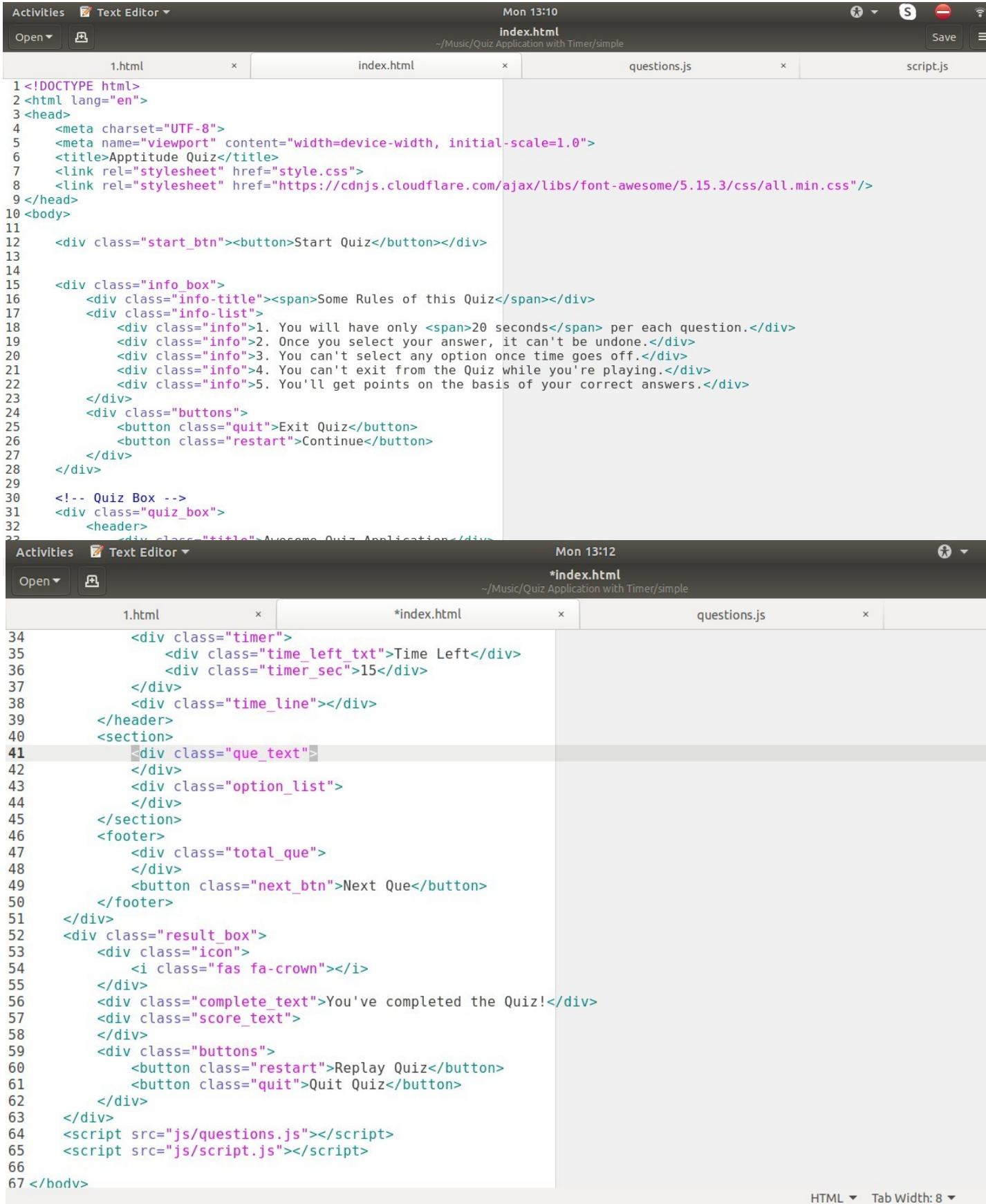
HTML ▼   Tab Width: 8 ▼   Ln 8, Col 7

1.html | **index.html** | **questions.js** | **script.js**

```html
20                    </ul>
21                </li>
22                <li><a href="#">Logical Reasoning</a>
23                    <ul>
24                        <li><a href="reasoning1.html">Number Series</a></li>
25                        <li><a href="letters_series.html">Letter Series</a></li>
26                        <li><a href="logical3.html">Verbal Classification</a></li>
27
28                    </ul>
29                </li>
30                <li><a href="#">Technical</a>
31                    <ul>
32                        <li><a href="technical1.html">Networking Basics</a></li>
33                        <li><a href="technical2.html">DBMS</a></li>
34                        <li><a href="technical3.html">C Programming</a></li>
35
36                    </ul>
37                </li>
38        </ul>
39 </div>
40 <!-- code for nav bar -->
41
42 <!-- code for slider bar -->
43 <div id="outerbox">
44        <div id="sliderbox">
45                <img src="5.jpg">
46                <img src="6.jpg">
47                <img src="7.jpg">
48                <img src="start.jpg">
49        </div>
50
51 </div>
52 </body>
53 </html>
```

HTML ▼   Tab Width: 8 ▼   Ln 8, Col 7

```html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>Apptitude Quiz</title>
7     <link rel="stylesheet" href="style.css">
8     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css"/>
9 </head>
10 <body>
11
12     <div class="start_btn"><button>Start Quiz</button></div>
13
14
15     <div class="info_box">
16         <div class="info-title"><span>Some Rules of this Quiz</span></div>
17         <div class="info-list">
18             <div class="info">1. You will have only <span>20 seconds</span> per each question.</div>
19             <div class="info">2. Once you select your answer, it can't be undone.</div>
20             <div class="info">3. You can't select any option once time goes off.</div>
21             <div class="info">4. You can't exit from the Quiz while you're playing.</div>
22             <div class="info">5. You'll get points on the basis of your correct answers.</div>
23         </div>
24         <div class="buttons">
25             <button class="quit">Exit Quiz</button>
26             <button class="restart">Continue</button>
27         </div>
28     </div>
29
30     <!-- Quiz Box -->
31     <div class="quiz_box">
32         <header>
33             <div class="title">Awesome Quiz Application</div>
```

```html
34             <div class="timer">
35                 <div class="time_left_txt">Time Left</div>
36                 <div class="timer_sec">15</div>
37             </div>
38             <div class="time_line"></div>
39         </header>
40         <section>
41             <div class="que_text">
42             </div>
43             <div class="option_list">
44             </div>
45         </section>
46         <footer>
47             <div class="total_que">
48             </div>
49             <button class="next_btn">Next Que</button>
50         </footer>
51     </div>
52     <div class="result_box">
53         <div class="icon">
54             <i class="fas fa-crown"></i>
55         </div>
56         <div class="complete_text">You've completed the Quiz!</div>
57         <div class="score_text">
58         </div>
59         <div class="buttons">
60             <button class="restart">Replay Quiz</button>
61             <button class="quit">Quit Quiz</button>
62         </div>
63     </div>
64     <script src="js/questions.js"></script>
65     <script src="js/script.js"></script>
66
67 </body>
```

15

| 1.html   × | index.html   × | questions.js   × |

```javascript
 1 //selecting all required elements
 2 const start_btn = document.querySelector(".start_btn button");
 3 const info_box = document.querySelector(".info_box");
 4 const exit_btn = info_box.querySelector(".buttons .quit");
 5 const continue_btn = info_box.querySelector(".buttons .restart");
 6 const quiz_box = document.querySelector(".quiz_box");
 7 const result_box = document.querySelector(".result_box");
 8 const option_list = document.querySelector(".option_list");
 9 const time_line = document.querySelector("header .time_line");
10 const timeText = document.querySelector(".timer .time_left_txt");
11 const timeCount = document.querySelector(".timer .timer_sec");
12
13 // if startQuiz button clicked
14 start_btn.onclick = ()=>{
15     info_box.classList.add("activeInfo");
16 }
17
18 // if exitQuiz button clicked
19 exit_btn.onclick = ()=>{
20     info_box.classList.remove("activeInfo");
21 }
22
23 // if continueQuiz button clicked
24 continue_btn.onclick = ()=>{
25     info_box.classList.remove("activeInfo");
26     quiz_box.classList.add("activeQuiz");
27     showQuetions(0);
28     queCounter(1);
29     startTimer(20);
30     startTimerLine(0);
31 }
32
33 let timeValue =  20;
34 let que_count = 0;
```

JavaScript ▾   Tab Width: 8 ▾

| 1.html   × | index.html   × | questions.js   × | script.js |

```javascript
33 let timeValue =  20;
34 let que_count = 0;
35 let que_numb = 1;
36 let userScore = 0;
37 let counter;
38 let counterLine;
39 let widthValue = 0;
40
41 const restart_quiz = result_box.querySelector(".buttons .restart");
42 const quit_quiz = result_box.querySelector(".buttons .quit");
43
44 // if restartQuiz button clicked
45 restart_quiz.onclick = ()=>{
46     quiz_box.classList.add("activeQuiz");
47     result_box.classList.remove("activeResult");
48     timeValue = 20;
49     que_count = 0;
50     que_numb = 1;
51     userScore = 0;
52     widthValue = 0;
53     showQuetions(que_count);
54     queCounter(que_numb);
55     clearInterval(counter);
56     clearInterval(counterLine);
57     startTimer(timeValue);
58     startTimerLine(widthValue); /
59     timeText.textContent = "Time Left";
60     next_btn.classList.remove("show");
61 }
62
63 // if quitQuiz button clicked
64 quit_quiz.onclick = ()=>{
65     window.location.reload();
66 }
```

JavaScript ▾   Tab Width: 8 ▾   Ln 18, Col 30

script.js
~/Music/Quiz Application with Timer/simple/js

| 1.html | × | index.html | × | questions.js | × | script.js | × |

```javascript
66 }
67
68 const next_btn = document.querySelector("footer .next_btn");
69 const bottom_ques_counter = document.querySelector("footer .total_que");
70
71 // if Next Que button clicked
72 next_btn.onclick = ()=>{
73     if(que_count < questions.length - 1){
74         que_count++;
75         que_numb++;
76         showQuetions(que_count);
77         queCounter(que_numb);
78         clearInterval(counter);
79         clearInterval(counterLine);
80         startTimer(timeValue);
81         startTimerLine(widthValue);
82         timeText.textContent = "Time Left";
83         next_btn.classList.remove("show");
84     }else{
85         clearInterval(counter);
86         clearInterval(counterLine);
87         showResult();
```

script.js
~/Music/Quiz Application with Timer/simple/js

| 1.html | × | index.html | × | questions.js | × | script.js | × |

```javascript
89 }
90
91
92 function showQuetions(index){
93     const que_text = document.querySelector(".que_text");
94
95
96     let que_tag = '<span>'+ questions[index].numb + ". " + questions[index].question +'</span>';
97     let option_tag = '<div class="option"><span>'+ questions[index].options[0] +'</span></div>'
98     + '<div class="option"><span>'+ questions[index].options[1] +'</span></div>'
99     + '<div class="option"><span>'+ questions[index].options[2] +'</span></div>'
100    + '<div class="option"><span>'+ questions[index].options[3] +'</span></div>';
101    que_text.innerHTML = que_tag;
102    option_list.innerHTML = option_tag;
103
104    const option = option_list.querySelectorAll(".option");
105
106
107    for(i=0; i < option.length; i++){
108        option[i].setAttribute("onclick", "optionSelected(this)");
109    }
110 }
111
112 let tickIconTag = '<div class="icon tick"><i class="fas fa-check"></i></div>';
113 let crossIconTag = '<div class="icon cross"><i class="fas fa-times"></i></div>';
114
115 //if user clicked on option
116 function optionSelected(answer){
117    clearInterval(counter);
118    clearInterval(counterLine);
119    let userAns = answer.textContent;
120    let correcAns = questions[que_count].answer;
121    const allOptions = option_list.children.length;
122
```

JavaScript ▾ Tab Width: 8 ▾   Ln 18, Col 30   ▾   INS

script.js
~/Music/Quiz Application with Timer/simple/js

| 1.html | × | index.html | × | questions.js | × | script.js | × |

```javascript
123    if(userAns == correcAns){
124        userScore += 1;
125        answer.classList.add("correct");
126        answer.insertAdjacentHTML("beforeend", tickIconTag);
127        console.log("Correct Answer");
128        console.log("Your correct answers = " + userScore);
129    }else{
130        answer.classList.add("incorrect");
131        answer.insertAdjacentHTML("beforeend", crossIconTag);
132        console.log("Wrong Answer");
133
134        for(i=0; i < allOptions; i++){
135            if(option_list.children[i].textContent == correcAns){
136                option_list.children[i].setAttribute("class", "option correct");
137                option_list.children[i].insertAdjacentHTML("beforeend", tickIconTag);
138                console.log("Auto selected correct answer.");
139            }
140        }
141    }
142    for(i=0; i < allOptions; i++){
143        option_list.children[i].classList.add("disabled");
144    }
145    next_btn.classList.add("show");
146 }
147
148 function showResult(){
149    info_box.classList.remove("activeInfo");
150    quiz_box.classList.remove("activeQuiz");
151    result_box.classList.add("activeResult");
152    const scoreText = result_box.querySelector(".score_text");
153    if (userScore > 3){
154
155        let scoreTag = '<span>and congrats! 🎉, You got <p>'+ userScore +'</p> out of <p>'+ questions.length +'</p></span>';
156        scoreText.innerHTML = scoreTag;
```

JavaScript ▾ Tab Width: 8 ▾   Ln 156, Col 41   ▾   INS

Evaluation

HOME PAGE:
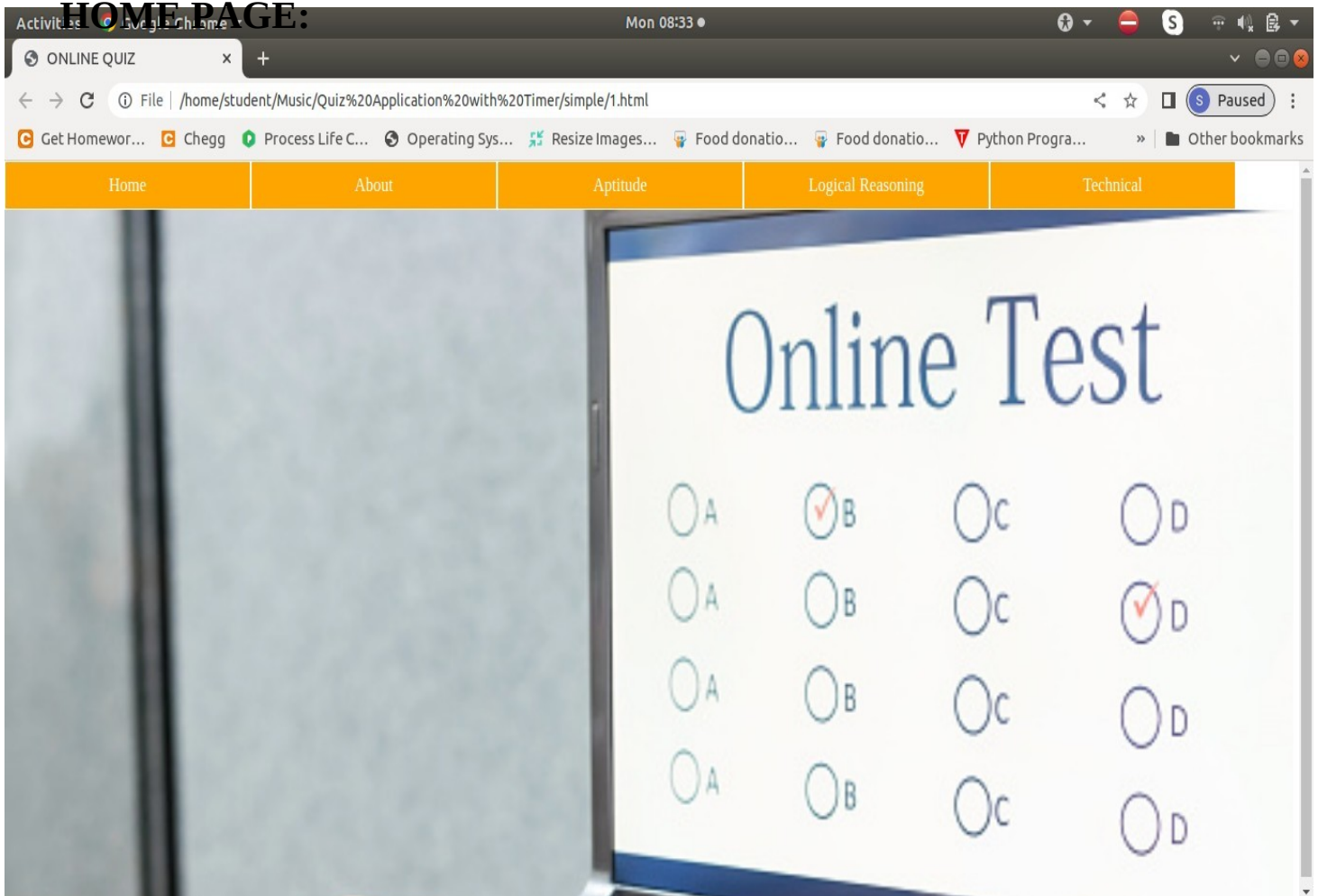
SELECTION OF TOPIC BY USER:

Apptitude Quiz   x   +

File | /home/student/Music/Quiz%20Application%20with%20Timer/simple/profit.html

Get Homewor...   Chegg   Process Life C...   Operating Sys...   Resize Images...   Food donatio...   Food donatio...   Python Progra...   »   Other bookmarks

Quiz Application   Time Left   20

1. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%,then the value of x is:

Rs.15

Rs.16

Rs.18

Rs.25

1 of 5 Questions

21

Apptitude Quiz

File | /home/student/Music/Quiz%20Application%20with%20Timer/simple/simpleinterest.html

Awesome Quiz Application   Time Left 15

2. A sum fetched a total simple interest of Rs.4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum?
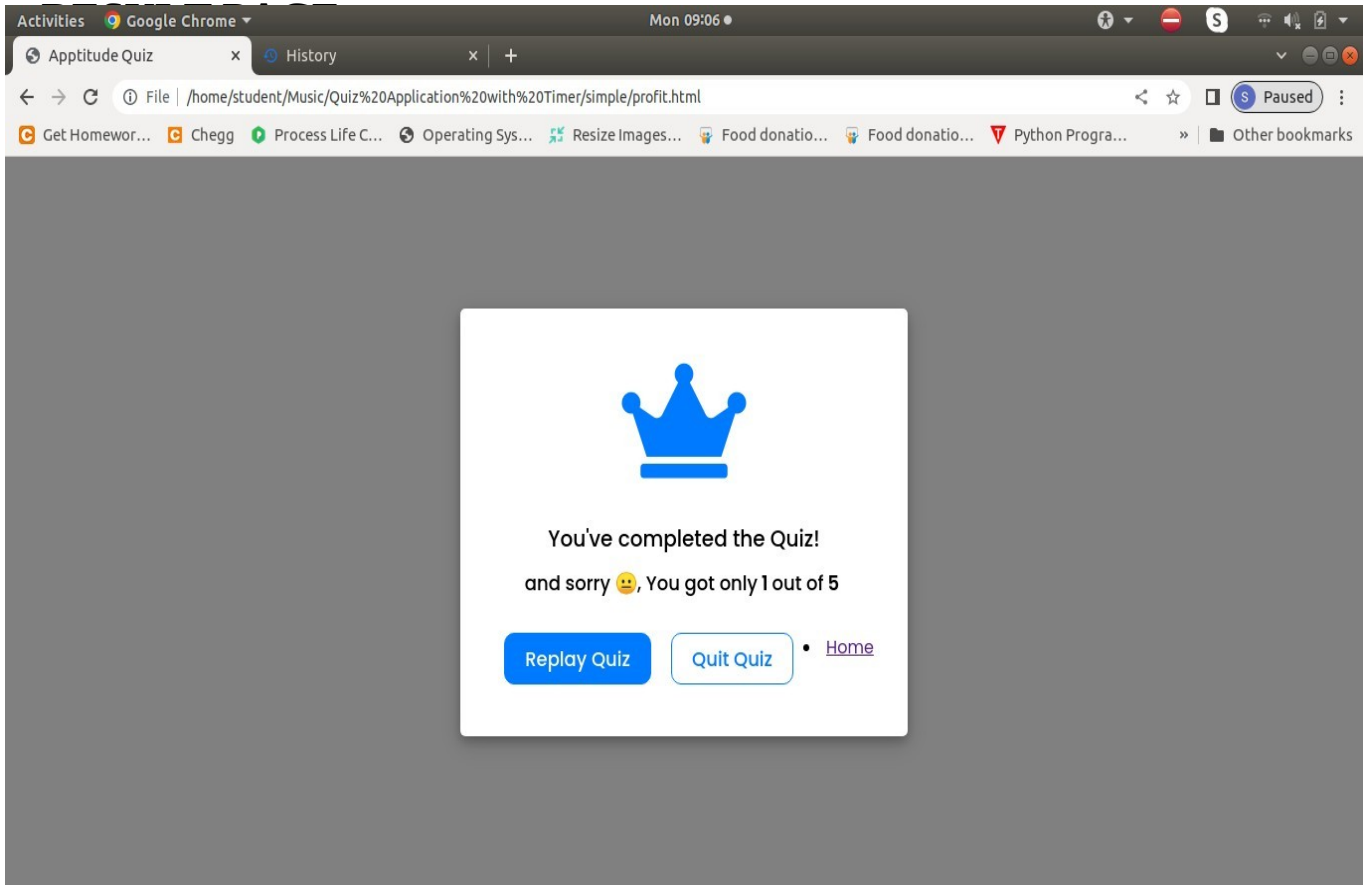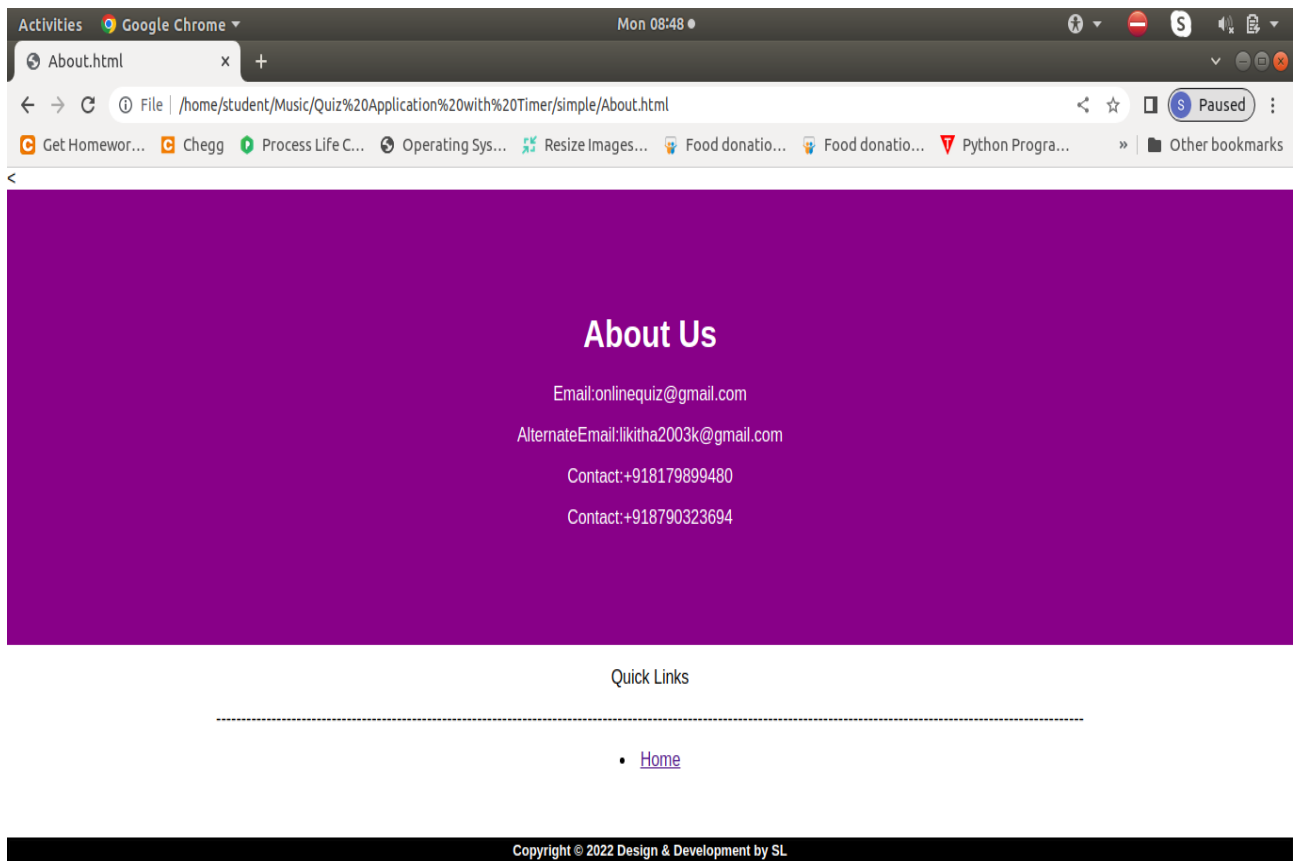
8925 ✓

6925

1000

None of the above ✗

2 of 5 Questions   Next Que

22

You've completed the Quiz!

and sorry 😐, You got only 1 out of 5

Replay Quiz Quit Quiz • Home

About Us

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Contact:+918790323694

Quick Links

- Home

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CONCLUSION:

This online quiz application provides facility to play quiz anywhere and anytime.It save time since user need to wait for result.A user User can practice the Topic related question and attempt the quiz again and again. All student/user get extra knowledge and skills.Admin has a privilege to put as much as question in any category given in application.

REFERENCE:

- https://www.w3schools.com

- https://www.indiabix.com

- https://www.javatpoint.com

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