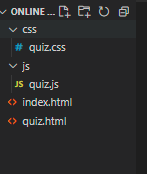
**Source Code of Online Quiz Application**

**Project Structure**

****

**Index.html**

<html>

<head>

<link

    href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css"

    rel="stylesheet" />

<!-- Google Fonts -->

<link

    href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700&display=swap"

    rel="stylesheet" />

<!-- MDB -->

<link

    href="https://cdnjs.cloudflare.com/ajax/libs/mdb-ui-kit/6.2.0/mdb.min.css"

    rel="stylesheet" />

<style>

main {

    margin: 50px;

    height: 20vh;

    display: flex;

    justify-content: center;

    align-items: center;

    gap: 30px;

    flex-wrap: wrap;

}

user-card {

    padding: 30px;

    box-shadow: 0px 5px 15px rgba(0, 0, 0, .2);

    border-radius: 10px;

    width: 260px;

    display: inherit;

    cursor: pointer;

    background: #505050;

    color: white;

}

user-card:hover {

    box-shadow: 0px 10px 30px rgba(0, 0, 0, 20%);

    transition: 300ms ease;

    color: black;

    font-weight:bolder;}

</style>

</head>

<body>

    <!-- Section: Design Block -->

    <section class="text-center">

        <!-- Background image -->

        <div class="p-5 bg-image"

            style="background-image: url('https://mdbootstrap.com/img/new/textures/full/171.jpg'); height: 300px;"></div>

        <!-- Background image -->

        <div class="card mx-4 mx-md-5 shadow-5-strong"

            style="margin-top: -100px; background: hsla(0, 0%, 100%, 0.8); backdrop-filter: blur(30px);">

            <div class="card-body py-5 px-md-5" style="    height: 31pc;">

                <div class="row d-flex justify-content-center">

                    <div class="col-lg-8">

                        <h2 class="fw-bold mb-5">Quiz Application</h2>

                        <main>

                            <a href="quiz.html?quiz=js"> <user-card class="bg-primary"

                                    avatar="https://cdn.midjourney.com/b4917b7e-f175-4676-a093-b52c1071032a/grid\_0.png"

                                    name="John Doe" description="A peaceful warrior">

                                Java Script Quiz</user-card>

                            </a>

                            <a href="quiz.html?quiz=java"> <user-card class="bg-primary"

                                    avatar="https://cdn.midjourney.com/272769d6-641a-4959-8ff4-aea3fa394eba/grid\_0.png"

                                    name="Jane Doe" description="An AI image prompt creator">

                                Java Quiz </user-card>

                            </a>

                        </main>

                    </div>

                </div>

            </div>

        </div>

    </section>

    <!-- Section: Design Block -->

</body>

</html>

**Quiz.html**

<html>

<head>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

    <link rel="stylesheet" href="css/quiz.css">

<link

    href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css"

    rel="stylesheet" />

<!-- Google Fonts -->

<link

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        <div class="card mx-4 mx-md-5 shadow-5-strong"

            style="overflow-y:auto;margin-top: -100px; background: hsla(0, 0%, 100%, 0.8); backdrop-filter: blur(30px);">

            <div class="card-body py-5 px-md-5" style="    height: 31pc;">

                <div class="row d-flex justify-content-center">

                    <div class="col-lg-8">

                        <h2 class="fw-bold mb-5">Quiz Application</h2>

    <div class="content">

    <div class="container-fluid">

      <div class="row">

          <div class="col-sm-12">

              <div id="result" class="quiz-body">

              <form name="quizForm" onSubmit="">

                  <fieldset class="form-group">

                  <h4><span id="qid">1.</span> <span id="question"></span></h4>

                  <div class="option-block-container" id="question-options">

                   </div> <!-- End of option block -->

                   </fieldset>

                   <button  name="previous" id="previous" class="btn btn-success">Previous</button>

                   &nbsp;

                   <button  name="next" id="next" class="btn btn-success">Next</button>

             </form>

             </div>

          </div> <!-- End of col-sm-12 -->

      </div> <!-- End of row -->

    </div> <!-- ENd of container fluid -->

    </div> <!-- End of content -->

                    </div>

                </div>

            </div>

        </div>

    </section>

    <!-- Section: Design Block -->

    <div class="modal fade" id="largeModal" tabindex="-1" role="dialog" aria-labelledby="largeModal" aria-hidden="true">

        <div class="modal-dialog modal-lg">

          <div class="modal-content">

            <div class="modal-header">

              <button type="button" class="close" data-dismiss="modal" aria-hidden="true">&times;</button>

              <h4 class="modal-title" id="myModalLabel">Large Modal</h4>

            </div>

            <div class="modal-body">

              <h3>Modal Body</h3>

            </div>

            <div class="modal-footer">

              <button type="button" class="btn btn-default" data-dismiss="modal">Close</button>

              <button type="button" class="btn btn-primary">Save changes</button>

            </div>

          </div>

        </div>

      </div>

</body>

<script src="https://code.jquery.com/jquery-3.6.4.js" integrity="sha256-a9jBBRygX1Bh5lt8GZjXDzyOB+bWve9EiO7tROUtj/E=" crossorigin="anonymous"></script>

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

</html>

**Quiz.js**

var Java = {

"Quiz": [

{

"id": 1,

"question": "Which of the following option leads to the portability and security of Java?",

"options": [

{

"a": "Bytecode is executed by JVM",

"b": "The applet makes the Java code secure and portable",

"c": "Use of exception handling",

"d": "Dynamic binding between objects"

}

],

"answer": "Bytecode is executed by JVM",

"score": 0,

"status": ""

},

{

"id": 2,

"question": "Which of the following is not a Java features?",

"options": [

{

"a": "Dynamic",

"b": "Architecture Neutral",

"c": "Use of pointers",

"d": "Object-oriented"

}

],

"answer": "Use of pointers",

"score": 0,

"status": ""

},

{

"id": 3,

"question": "\_\_\_\_\_ is used to find and fix bugs in the Java programs.",

"options": [

{

"a": "JVM",

"b": "JRE",

"c": "JDK",

"d": "JDB"

}

],

"answer": "JDB",

"score": 0,

"status": ""

},

{

"id": 4,

"question": "What is the return type of the hashCode() method in the Object class?",

"options": [

{

"a": "Object",

"b": "int",

"c": "long",

"d": "void"

}

],

"answer": "int",

"score": 0,

"status": ""

},

{

"id": 5,

"question": "Which of the following is a valid long literal?",

"options": [

{

"a": "ABH8097",

"b": "L990023",

"c": "904423",

"d": "0xnf029L"

}

],

"answer": "0xnf029L",

"score": 0,

"status": ""

},

]

}

var JavaScript = {

"Quiz": [

{

"id": 1,

"question": "Inside which HTML element do we put the JavaScript?",

"options": [

{

"a": "&lt;script&gt;",

"b": "&lt;javascript&gt;",

"c": "&lt;scripting&gt;",

"d": "&lt;js&gt;"

}

],

"answer": "&lt;script&gt;",

"score": 0,

"status": ""

},

{

"id": 2,

"question": "Where is the correct place to insert a JavaScript?",

"options": [

{

"a": "The &lt;head&gt; section",

"b": "The &lt;body&gt; section",

"c": "Both the &lt;head&gt; section and the &lt;body&gt; section are correct"

}

],

"answer": "Both the &lt;head&gt; section and the &lt;body&gt; section are correct",

"score": 0,

"status": ""

},

{

"id": 3,

"question": "What is the correct syntax for referring to an external script called 'xxx.js'?",

"options": [

{

"a": "&ltscript href=&quot;xxx.js&quot;>",

"b": "&lt;script name=&quot;xxx.js&quot;&gt;",

"c": "&lt;script src=&quot;xxx.js&quot;&gt;"

}

],

"answer": "&lt;script src=&quot;xxx.js&quot;&gt;",

"score": 0,

"status": ""

},

{

"id": 4,

"question": "The external JavaScript file must contain the &lt;script&gt; tag.",

"options": [

{

"a": "True",

"b": "False"

}

],

"answer": "False",

"score": 0,

"status": ""

},

{

"id": 5,

"question": "How do you write &quot;Hello World&quot; in an alert box?",

"options": [

{

"a": "alertBox(&quot;Hello World&quot;);",

"b": "msg(&quot;Hello World&quot;);",

"c": "alert(&quot;Hello World&quot;);",

"d": "msgBox(&quot;Hello World&quot;);",

}

],

"answer": "alert(&quot;Hello World&quot;);",

"score": 0,

"status": ""

},

],

}

var quizApp = function (tempjson) {

console.log(tempjson);

this.score = 0;

this.qno = 1;

this.currentque = 0;

var totalque = tempjson.Quiz.length;

this.displayQuiz = function (cque) {

this.currentque = cque;

if (this.currentque < totalque) {

$("#tque").html(totalque);

$("#previous").attr("disabled", false);

$("#next").attr("disabled", false);

$("#qid").html(tempjson.Quiz[this.currentque].id + '.');

$("#question").html(tempjson.Quiz[this.currentque].question);

$("#question-options").html("");

for (var key in tempjson.Quiz[this.currentque].options[0]) {

if (tempjson.Quiz[this.currentque].options[0].hasOwnProperty(key)) {

$("#question-options").append(

"<div class='form-check option-block'>" +

"<label class='form-check-label'>" +

"<input type='radio' class='form-check-input' name='option' id='q" + key + "' value='" + tempjson.Quiz[this.currentque].options[0][key] + "' required><span id='optionval'>" +

tempjson.Quiz[this.currentque].options[0][key] +

"</span></label>"

);

}

}

}

if (this.currentque <= 0) {

$("#previous").attr("disabled", true);

}

if (this.currentque >= totalque) {

$('#next').attr('disabled', true);

for (var i = 0; i < totalque; i++) {

this.score = this.score + tempjson.Quiz[i].score;

}

var text="";

for (var i = 0; i < totalque; i++) {

text += tempjson.Quiz[i].status+"\n"+tempjson.Quiz[i].status+"\n";

}

alert("Review the Question you have missed\n" + text);

return this.showResult(this.score);

}

}

this.showResult = function (scr) {

$("#result").addClass('result');

$("#result").html("<h1 class='res-header'>Total Score: &nbsp;" + scr + '/' + totalque + "</h1>");

for (var j = 0; j < totalque; j++) {

var res;

if (tempjson.Quiz[j].score == 0) {

res = '<span class="wrong">' + tempjson.Quiz[j].score + '</span><i class="fa fa-remove c-wrong"></i>';

} else {

res = '<span class="correct">' + tempjson.Quiz[j].score + '</span><i class="fa fa-check c-correct"></i>';

}

$("#result").append(

'<div class="result-question"><span>Q ' + tempjson.Quiz[j].id + '</span> &nbsp;' + tempjson.Quiz[j].question + '</div>' +

'<div><b>Correct answer:</b> &nbsp;' + tempjson.Quiz[j].answer + '</div>' +

'<div class="last-row"><b>Score:</b> &nbsp;' + res +

'</div>'

);

}

}

this.checkAnswer = function (option) {

var answer = tempjson.Quiz[this.currentque].answer;

option = option.replace(/\</g, "&lt;") //for <

option = option.replace(/\>/g, "&gt;") //for >

option = option.replace(/"/g, "&quot;")

if (option == tempjson.Quiz[this.currentque].answer) {

if (tempjson.Quiz[this.currentque].score == "") {

tempjson.Quiz[this.currentque].score = 1;

}

}

tempjson.Quiz[this.currentque].status = "answered";

}

this.changeQuestion = function (cque) {

this.currentque = this.currentque + cque;

this.displayQuiz(this.currentque);

}

}

const urlParams = new URLSearchParams(window.location.search);

const greetingValue = urlParams.get('quiz');

console.log(greetingValue);

if (greetingValue === "js") {

var jsq = new quizApp(JavaScript);

} else if (greetingValue === "java") {

var jsq = new quizApp(Java);

}

var selectedopt;

$(document).ready(function () {

jsq.displayQuiz(0);

$('#question-options').on('change', 'input[type=radio][name=option]', function (e) {

//var radio = $(this).find('input:radio');

$(this).prop("checked", true);

selectedopt = $(this).val();

});

});

$('#next').click(function (e) {

e.preventDefault();

if (selectedopt) {

jsq.checkAnswer(selectedopt);

}

jsq.changeQuestion(1);

});

$('#previous').click(function (e) {

e.preventDefault();

if (selectedopt) {

jsq.checkAnswer(selectedopt);

}

jsq.changeQuestion(-1);

});

**Quiz.css**

.content { margin-top:54px; }

.header {padding:15px; position:fixed; top:0; width:100%; z-index:9999; }

.left-title { width:80px; color:#FFF; font-size:18px; float:left; }

.right-title { width:150px; text-align:right; float:right; color:#FFF;  }

.quiz-body { margin-top:15px; padding-bottom:50px; }

.option-block-container { margin-top:20px; max-width:420px; }

.option-block { padding:10px; background:aliceblue; border:1px solid #84c5fe; margin-bottom:10px; cursor:pointer; }

.result-question { font-weight:bold; }

.c-wrong { margin-left:20px; color:#FF0000; }

.c-correct {  margin-left:20px; color:green; }

.last-row { border-bottom:1px solid #ccc; padding-bottom:25px; margin-bottom:25px; }

.res-header { border-bottom:1px solid #ccc; margin-bottom:15px; padding-bottom:15px; }