# Source code of project for online test application

**Source Code of HTML Index:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Online Test Application</title>

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

</head>

<body>

<div class="container">

<div class="leftSide">

<img src="https://img.freepik.com/premium-vector/quiz-comic-pop-art- style\_175838-505.jpg?w=900"alt="quiz logo"class="tilt">

</div>

<div class="rightSide"><br>

<h1>Welcome to Online Test Application</h1><br>

<ul style="list-style-type:circle">

<li><b>Frontend Quiz</b></li>

<li><b>Consist of 5 uestions</b></li>

</ul>

<a href="questions.html">Start Quiz</a>

</div>

</div>

</body>

<script src="js/jquery-3.5.1.min.js"></script>

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

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

</html>

**Source Code of HTML Questions:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Questions</title>

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

</head>

<body>

<div class="box" id="questionScreen">

<div class="title">

Online Test Application

</div>

<div class="header">

<div class="scoreBox" style="color:white; background-color: rgb(150, 198, 226);">Score: <span></span> </div>

</div>

<div class="questionBox">

</div>

<div class="optionBox" >

<span onclick="checkAnswer(this)" data-opt="1"></span>

<span onclick="checkAnswer(this)" data-opt="2"></span>

<span onclick="checkAnswer(this)" data-opt="3"></span>

<span onclick="checkAnswer(this)" data-opt="4"></span>

</div>

<div class="footer">

<button onclick="showNext()"> Next

</button>

<button onclick="showResult(1)"> Result

</button>

</div>

</div>

<div class="box" id="resultScreen" style="display: none;">

<div class="title"> Online Test Result

</div>

<div class="resultBox">

<label>Questions : </label>

<span id="titalQuestions">5</span>

<label>Attempted : </label>

<span id="attemptQuestion">0</span>

<label>Correct : </label>

<span id="correctAnswers">0</span>

<label>Wrong : </label>

<span id="wrongAnswers">0</span>

</div>

<div class="buttonBox">

<a href="index.html">Start Again</a>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<a href="review.html">Review Solutions</a>

</div>

</div>

</body>

<script src="js/jquery-3.5.1.min.js"></script>

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

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

</html>

**Source Code of HTML Review:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Review</title>

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

</head>

<body>

<div class="container1">

<div class="title">

<h1><b>Solutions</b></h1></div>

<h3>1. Which of the following JavaScript cannot do?</h3>

<h4>Ans. All of the Above</h4>

<br/>

<br/>

<h3>2. keyword is used to declare variables in javascript.</h3>

<h4>Ans. Var</h4>

<br/>

<br/>

<h3>3. In JavaScript the x===y statement implies that:</h3>

<h4>Ans. Both are equal in the value and data type.</h4>

<br/>

<br/>

<h3>4. Whats so great about XML?</h3>

<h4>Ans. Both</h4>

<br/>

<br/>

<h3>5. In the JavaScript, which one of the following is not considered as an error:</h3>

<h4>Ans. Division by zero</h4>

<br>

<br>

<div class="buttonBox">

<a href="index.html">Back to Home</a></div>

</div>

</body>

</html>

**Source Code of CSS Style:**

@import url(["https://fonts.googleapis.com/css2?family=Open+Sans:wght@300&display=swa](https://fonts.googleapis.com/css2?family=Open%2BSans%3Awght%40300&display=swap)p"

);

\*{

margin: 0; padding:0;

box-sizing: border-box;

}

body {

font-family: 'sans-serif', sans-serif;

background-image: url("https://media.istockphoto.com/photos/dark-blue- stained-grungy-background-or-texture-picture- id1132593892?k=6&m=1132593892&s=612x612&w=0&h=kdFpYAbe0jAnckEYkZdNWUVYbNdKXGxH a1rd8joRZEg=");

background-size: cover; display: flex;

justify-content: center; align-items: center; min-height: 100vh;

}

.container{

width: 750px;

background-color: rgb(202, 167, 53);

box-shadow:0 0 50px 0 rgba(0,0, 0, 0.2); min-height: 350px;

padding:50px 50px ; border-radius: 10px; display:flex;

}

.leftSide,

.rightSide{

width: 50%;

}

.leftSide img{ height:300px; width:300px;

}

.rightSide h1{ color:#201414; font-size: 32px;

}

.rightSide h2{ color: #444 ;

margin:20px auto 10px;

font-size:25px;

}

.rightSide ul{ color: #444 ; font-size:18px; margin-top:600;

list-style-type: circle; list-style-position: inside;

}

.rightSide ul li{ margin-top: 5px;

}

.rightSide a{

background-color: #dbd9d9; border-radius: 100px; color:rgb(46, 40, 40); font-weight:600; width:100%; display:inline-block; text-align: center; padding:15px 0;

margin-top:25px;

text-decoration: none; outline:none;

}

.box{

background-color:antiquewhite; border-radius: 10px;

box-shadow:0 0 50px 0 rgba(0,0, 0, 0.2); min-height: 350px;

width:540px; padding:50px;

}

.title{

border-bottom: 1px solid #464646; color:#464646;

padding-bottom:10px; margin-bottom:20px; font-weight:600; font-size:24px;

}

.optionBox span{

background-color:rgb(219, 222, 223); border-radius: 10px;

color:rgb(32, 28, 28);

border:1px solid,#444; padding:10px 15px;

}

.header{

margin-bottom: 30px; display:flex;

justify-content:space-between ;

}

.scoreBox{

border-radius: 100px; padding:10px 15px; border:1px solid #444; color:#444;

}

.questionBox{

background-color: rgb(219, 222, 223);

color:rgb(32, 28, 28); border-radius: 10px; padding:10px 15px;

}

.optionBox{

display: grid;

grid-template-columns: 1fr 1fr; margin: 30px 0;

grid-gap:15px;

}

.footer{

display: flex;

justify-content: space-between;

}

.footer button{

background-color: #1da3dd; border-radius: 5px; padding:7px 15px; color:#fff;

border:0; outline:none; font-size: 20px;

}

.resultBox{

margin-bottom: 30px; display: grid;

grid-template-columns: 1fr 1fr; grid-row-gap:15px;

font-size:20px

}

.resultBox \*:nth-child(odd){ text-align:right;

}

.resultBox span{ font-weight: 600;

}

.buttonBox{

text-align:center;

}

.buttonBox a{

background-color:#1da3dd; border-radius: 50px; border:0;

text-decoration: none; color:#fff;

outline: none; padding: 7px 15px; margin-top: 30px; display: inline-block;

}

.optionBox span.right{

background-color: rgb(74, 206, 57); border-color: chartreuse; color:cornsilk;

}

.optionBox span.wrong{ background-color: crimson; border-color:crimson; color:cyan;

}

.container1{

background-color: antiquewhite; padding:50px;

border-radius: 10px;

}

span:hover{

background-color: rgb(241, 241, 79);

}

@media screen and (max-width:768px){

.leftSide{

display: none;

}

.container{

width: 425px;

}

.rightSide{

width:100px;

}

.optionBox{

grid-template-columns: 1fr;

}

}

**Source Code of JavaScript Quiz:**

let quiz=[

{

question:"Which of the following JavaScript cannot do?", option:[

"1.JavaScript can react to events", "2.JavaScript can manipulate HTML elements", "3.JavaScript can be use to validate data", "4.All of the Above",

],

answer:4,

},

{

question:" keyword is used to declare variables in

javascript.",

option:[

"1.Var",

"2.Dim",

"3.String",

"4.None of the Above",

},

{

well.",

],

answer:1,

question:"In JavaScript the x===y statement implies that:", option:[

"1.Both x and y are equal in value, type and reference address as

"2.Both are x and y are equal in value only.", "3.Both are equal in the value and data type.", "4.Both are not same at all.",

],

answer:3,

},

{

question:"Whats so great about XML?", option:[

"1.Easy data exchange", "2.High speed on network ", "3.Both",

"4.None",

],

answer:3,

},

{

question:"In the JavaScript, which one of the following is not considered as an error:",

option:[

"1.Syntax error", "2.Missing of semicolons", "3.Division by zero", "4.Missing of Bracket",

],

answer:3,

}

]

**Source Code of JavaScript Functions:**

let index=0; let attempt= 0; let score = 0; let wrong =0;

let questions=quiz.sort(function(){ return 0.5 - Math.random();

});

let totalQuestion = questions.length;

$(function(){

//printing question printQuestion(index);

});

//this is the function to print question part function printQuestion(i){

$(".questionBox").text(questions[i].question);

$(".optionBox span").eq(0).text(questions[i].option[0]);

$(".optionBox span").eq(1).text(questions[i].option[1]);

$(".optionBox span").eq(2).text(questions[i].option[2]);

$(".optionBox span").eq(3).text(questions[i].option[3]);

}

function checkAnswer(option) { attempt ++;

let optionClicked = $(option).data("opt");

if(optionClicked == questions[index].answer) {

$(option).addClass("right"); score++;

}

else{

$(option).addClass("wrong"); wrong++;

}

$(".scoreBox span").text(score);

$(".optionBox span").attr("onclick","");

}

function showNext(){

if(index >= questions.length-1) { showResult(0);

return;

}

index++;

$(".optionBox span").removeClass();

$(".optionBox span").attr("onclick","checkAnswer(this)"); printQuestion(index);

}

function showResult(j){

if(j==1 && index < questions.length-1 && !confirm(

"Test is not yet finished. Press OK to end the test")

) {

return;

}

result();

}

function result() {

$("#questionScreen").hide();

$("#resultScreen").show();

$("#totalQuestion").text(totalQuestion);

$("#attemptQuestion").text(attempt);

$("#correctAnswers").text(score);

$("#wrongAnswers").text(wrong);

}

**Source Code of JavaScript tilt.min:**

"use strict"; var \_typeof = "function" == typeof Symbol && "symbol" == typeof Symbol.iterator ? function (t) {

return typeof t

}

: function (t) {

return t && "function" == typeof Symbol && t.constructor === Symbol &&

t !== Symbol.prototype ? "symbol" : typeof t

};

!function (t) {

"function" == typeof define && define.amd ? define(["jquery"], t) : "object" === ("undefined" == typeof module ? "undefined" : \_typeof(module)) && module.exports ? module.exports = function (i, s) {

return void 0 === s && (s = "undefined" != typeof window ? require("jquery") : require("jquery")(i)), t(s), s

} :

t(jQuery)

}

(

function (t) {

return t.fn.tilt = function (i) { var s = function () {

this.ticking || (requestAnimationFrame(g.bind(this)),

this.ticking = !0)

},

e = function () {

var i = this; t(this).on("mousemove", o),

t(this).on("mouseenter", a), this.settings.reset && t(this).on("mouseleave", l), this.settings.glare && t(window).on("resize", d.bind(i))

},

n = function () {

var i = this; void 0 !== this.timeout && clearTimeout(this.timeout), t(this).css({ transition: this.settings.speed + "ms " + this.settings.easing }),

this.settings.glare && this.glareElement.css(

{

transition: "opacity " + this.settings.speed + "ms " + this.settings.easing

}),

this.timeout = setTimeout(function () { t(i).css({ transition: "" }), i.settings.glare

&& i.glareElement.css({

transition: ""

})

},

this.settings.speed)

},

a = function (i) {

this.ticking = !1, t(this).css({ "will-change": "transform"

}),

},

n.call(this), t(this).trigger("tilt.mouseEnter")

r = function (i) {

return "undefined" == typeof i && (i = { pageX: t(this).offset().left + t(this).outerWidth() / 2, pageY: t(this).offset().top

+ t(this).outerHeight() / 2 }), { x: i.pageX, y: i.pageY }

}, o = function (t) { this.mousePositions = r(t), s.call(this) }, l = function () { n.call(this), this.reset = !0, s.call(this), t(this).trigger("tilt.mouseLeave") }, h = function () { var i = t(this).outerWidth(), s = t(this).outerHeight(), e = t(this).offset().left, n

= t(this).offset().top, a = (this.mousePositions.x - e) / i, r = (this.mousePositions.y - n) / s, o = (this.settings.maxTilt / 2 - a \* this.settings.maxTilt).toFixed(2), l = (r \* this.settings.maxTilt - this.settings.maxTilt / 2).toFixed(2), h = Math.atan2(this.mousePositions.x - (e + i / 2), -(this.mousePositions.y - (n + s / 2))) \* (180 / Math.PI); return

{ tiltX: o, tiltY: l, percentageX: 100 \* a, percentageY: 100 \* r, angle: h }

}, g = function () { return this.transforms = h.call(this), this.reset ? (this.reset = !1, t(this).css("transform", "perspective(" + this.settings.perspective + "px) rotateX(0deg) rotateY(0deg)"), void (this.settings.glare && (this.glareElement.css("transform", "rotate(180deg) translate(-50%, -50%)"), this.glareElement.css("opacity", "0")))) : (t(this).css("transform", "perspective(" + this.settings.perspective + "px) rotateX(" + ("x" === this.settings.disableAxis ? 0 : this.transforms.tiltY) + "deg) rotateY(" + ("y" === this.settings.disableAxis ? 0 : this.transforms.tiltX) + "deg) scale3d(" + this.settings.scale + "," + this.settings.scale + "," + this.settings.scale + ")"), this.settings.glare && (this.glareElement.css("transform", "rotate(" + this.transforms.angle + "deg) translate(-50%, -50%)"), this.glareElement.css("opacity", "" + this.transforms.percentageY \* this.settings.maxGlare / 100)), t(this).trigger("change", [this.transforms]), void (this.ticking = !1)) }, c = function () { var i = this.settings.glarePrerender; if (i || t(this).append('<div class="js-tilt-glare"><div class="js-tilt-glare- inner"></div></div>'), this.glareElementWrapper = t(this).find(".js-tilt- glare"), this.glareElement = t(this).find(".js-tilt-glare-inner"), !i) { var s

= { position: "absolute", top: "0", left: "0", width: "100%", height: "100%"

}; this.glareElementWrapper.css(s).css({ overflow: "hidden", "pointer-events": "none" }), this.glareElement.css({ position: "absolute", top: "50%", left: "50%", "background-image": "linear-gradient(0deg, rgba(255,255,255,0) 0%, rgba(255,255,255,1) 100%)", width: "" + 2 \* t(this).outerWidth(), height: "" +

2 \* t(this).outerWidth(), transform: "rotate(180deg) translate(-50%, -50%)", "transform-origin": "0% 0%", opacity: "0" }) } }, d = function () { this.glareElement.css({ width: "" + 2 \* t(this).outerWidth(), height: "" + 2 \* t(this).outerWidth() }) }; return t.fn.tilt.destroy = function () { t(this).each(function () { t(this).find(".js-tilt-glare").remove(),

t(this).css({ "will-change": "", transform: "" }), t(this).off("mousemove mouseenter mouseleave") }) }, t.fn.tilt.getValues = function () { var i = []; return t(this).each(function () { this.mousePositions = r.call(this), i.push(h.call(this)) }), i }, t.fn.tilt.reset = function () { t(this).each(function () { var i = this; this.mousePositions = r.call(this), this.settings = t(this).data("settings"), l.call(this), setTimeout(function ()

{ i.reset = !1 }, this.settings.transition) }) }, this.each(function () {

var s = this; this.settings = t.extend({ maxTilt: t(this).is("[data-tilt-max]") ? t(this).data("tilt-max") : 20, perspective: t(this).is("[data-tilt-perspective]") ? t(this).data("tilt-perspective") : 300, easing: t(this).is("[data-tilt-easing]") ? t(this).data("tilt-easing") :

"cubic-bezier(.03,.98,.52,.99)", scale: t(this).is("[data-tilt-scale]") ?

t(this).data("tilt-scale") : "1", speed: t(this).is("[data-tilt-speed]") ?

t(this).data("tilt-speed") : "400", transition: !t(this).is("[data-tilt- transition]") || t(this).data("tilt-transition"), disableAxis: t(this).is("[data-tilt-disable-axis]") ? t(this).data("tilt-disable-axis") :

null, axis: t(this).is("[data-tilt-axis]") ? t(this).data("tilt-axis") : null,

reset: !t(this).is("[data-tilt-reset]") || t(this).data("tilt-reset"), glare:

!!t(this).is("[data-tilt-glare]") && t(this).data("tilt-glare"), maxGlare:

t(this).is("[data-tilt-maxglare]") ? t(this).data("tilt-maxglare") : 1 }, i), null !== this.settings.axis && (console.warn("Tilt.js: the axis setting has been renamed to disableAxis. See https://github.com/gijsroge/tilt.js/pull/26 for more information"), this.settings.disableAxis = this.settings.axis), this.init = function () { t(s).data("settings", s.settings), s.settings.glare && c.call(s), e.call(s) },

this.init()

})

}, t("[data-tilt]").tilt(), !0

});

**Screen-Shots of Project Online Quiz :**













