**Online Test Application**

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Sports Quiz</title>

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

    <link href="https://fonts.googleapis.com/css2?family=Lato:wght@300;400&display=swap" rel="stylesheet">

</head>

<body>

    <div class="container">

        <div id="home" class="flex-center flex-column">

            <h1>Sports Quiz</h1>

            <a class="btn" href="html/quiz.html">Start</a>

        </div>

    </div>

</body>

</html>

**quiz.html**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

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

  <meta http-equiv="X-UA-Compatible" content="ie=edge" />

  <title>Sports Quiz</title>

  <link href="https://fonts.googleapis.com/css2?family=Lato:wght@300;400&display=swap" rel="stylesheet">

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

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

</head>

<body>

  <div class="container">

    <div id="quiz" class="justify-center flex-column">

      <div id="hud">

        <div id="hud-item">

          <p class="hud-prefix">

            Question

          </p>

          <h1 class="hud-main-text" id="questionCounter"></h1>

        </div>

        <div id="hud-item">

          <p class="hud-prefix">

            Score

          </p>

          <h1 class="hud-main-text" id="score">

            0

          </h1>

        </div>

      </div>

      <h2 id="question">What is the answer to this questions?</h2>

      <div class="choice-container">

        <p class="choice-prefix">A</p>

        <p class="choice-text" data-number="1">Choice 1</p>

      </div>

      <div class="choice-container">

        <p class="choice-prefix">B</p>

        <p class="choice-text" data-number="2">Choice 2</p>

      </div>

      <div class="choice-container">

        <p class="choice-prefix">C</p>

        <p class="choice-text" data-number="3">Choice 3</p>

      </div>

      <div class="choice-container">

        <p class="choice-prefix">D</p>

        <p class="choice-text" data-number="4">Choice 4</p>

      </div>

    </div>

  </div>

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

</body>

</html>

**end.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8" />

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

    <meta http-equiv="X-UA-Compatible" content="ie=edge" />

    <title>Sports Quiz</title>

    <link href="https://fonts.googleapis.com/css2?family=Lato:wght@300;400&display=swap" rel="stylesheet">

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

</head>

<body>

    <div class="container">

        <div id="end" class="flex-center flex-column">

            <h1 id="finalScore"></h1>

            <form>

                <input type="text" name="username" id="username" placeholder="Username" />

                <button type="submit" class="btn" id="saveScoreBtn" onclick="saveHighScore(event)" disabled>

                    Save

                </button>

            </form>

            <a class="btn" href="quiz.html">Start Again</a>

            <a class="btn" href="/">Back to Home</a>

        </div>

    </div>

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

</body>

</html>

**quiz.css**

\*{

  font-family: 'Lato',sans-serif;

  word-spacing: 2.5px;

  font-weight: 400;

  letter-spacing: 1.5px;

}

h2{

  font-weight: 400;

}

.container{

  max-width: 1140px;

    margin: 0 auto;

}

.choice-container {

    display: flex;

    margin-bottom: 1.5rem;

    width: 100%;

    font-size: 1.8rem;

    border: 0.1rem solid rgb(86, 165, 235, 0.25);

    background-color: black;

    border-radius: 15px;

  }

  .choice-container:hover {

    cursor: pointer;

    box-shadow: 0 0.4rem 1.4rem 0 rgba(86, 185, 235, 0.5);

    transform: translateY(-0.1rem);

    transition: transform 150ms;

  }

  .choice-prefix {

    padding: 1.5rem 2.5rem;

    background-color: #e67e22;

    color: white;

    border-top-left-radius: 15px;

    border-bottom-left-radius: 15px;

  }

  .choice-text {

    padding: 1.5rem;

    width: 100%;

  }

  .correct {

    background-color: #4e7e8a;

  }

  .incorrect {

    background-color: #801336;

  }

  #hud {

    display: flex;

    justify-content: space-between;

    text-transform: uppercase;

  }

  .hud-prefix {

    text-align: center;

    font-size: 2rem;

  }

  .hud-main-text {

    text-align: center;

    color: white;

  }

**app.css**

:root{

  background: rgb(27,15,103);

background: linear-gradient(90deg, rgba(27,15,103,1) 100%, rgba(0,212,255,1) 100%, rgba(2,0,36,1) 100%);

    font-size: 58%;

}

\*{

    box-sizing: border-box;

    font-family: 'Lato', sans-serif;

    margin: 0;

    padding: 0;

    color: #333;

    font-weight: 400;

    color: white;

}

.container{

  max-width: 1140px;

    margin: 0 auto;

}

h1,

h2,

h3,

h4 {

    margin-bottom: 1rem;

}

h1{

    font-size: 6rem;

    color: white;

    margin-bottom: 5rem;

}

h1 > span{

    font-size: 2.4rem;

    font-weight: 500;

}

h2{

    font-size: 4.2rem;

    margin-bottom: 4rem;

    font-weight: 700;

}

h3{

    font-size: 2.8rem;

    font-weight: 500;

}

.container{

 width: 100vw;

 height: 90vh;

 display: flex;

 justify-content: center;

 align-items: center;

 max-width: 80rem;

}

.container >\*{

    width: 100%;

}

.flex-column {

    display: flex;

    flex-direction: column;

  }

  .flex-center {

    justify-content: center;

    align-items: center;

  }

  .justify-center {

    justify-content: center;

  }

  .text-center {

    text-align: center;

  }

  .hidden {

    display: none;

  }

  .btn {

    font-size: 2rem;

    padding: 1rem 0;

    width: 30rem;

    text-align: center;

    border: 0.1rem solid #e67e22;

    margin-bottom: 2.5rem;

    text-decoration: none;

    color: white;

    background-color:#e67e22;

    border-radius: 15px;

    font-weight: 400;

  }

  .btn:hover {

    cursor: pointer;

    box-shadow: 0 0.4rem 1.4rem 0 rgba(86, 185, 235, 0.5);

    transform: translateY(-0.1rem);

    transition: transform 150ms;

  }

  .btn[disabled]:hover {

    cursor: not-allowed;

    box-shadow: none;

    transform: none;

  }

  form {

    width: 100%;

    display: flex;

    flex-direction: column;

    align-items: center;

  }

  input {

    color:#e67e22;

    margin-bottom: 2.5rem;

    width: 30rem;

    padding: 1.2rem;

    font-size: 1.8rem;

    border: none;

    box-shadow: 0 0.1rem 1.4rem 0 rgba(235, 133, 86, 0.5);

  }

  input::placeholder {

    color: #aaa;

  }

**questions.json**

[

  {

    "question": "Which country hosted the 2018 FIFA World Cup?",

    "choice1": "Russia",

    "choice2": "Saudi Arabia",

    "choice3": "US",

    "choice4": "India",

    "answer": 1

  },

  {

    "question": "Who won the 2015 Formula 1 World Championship?",

    "choice1": "Nico Rosberg",

    "choice2": "Sebastian Vettel",

    "choice3": "Lewis Hamilton",

    "choice4": "Jenson Button",

    "answer": 3

  },

  {

    "question": "Who won the 2011 Cricket World Cup?",

    "choice1": "Pakistan",

    "choice2": "Sri Lanka",

    "choice3": "New Zealand",

    "choice4": "India",

    "answer": 4

  },

  {

    "question": "Who won the UEFA Champions League in 2019?",

    "choice1": "Real Madrid",

    "choice2": "Liverpool",

    "choice3": "Barcelona",

    "choice4": "Tottenham",

    "answer": 2

  },

  {

    "question": "Which player holds the NHL record of 2,857 points?",

    "choice1": "Sidney Crosby",

    "choice2": "Mario Lemieux",

    "choice3": "Gordie Howe",

    "choice4": "Wayne Gretzky",

    "answer": 4

  }

  ]

**quiz.js**

const question = document.getElementById("question");

const choices = Array.from(document.getElementsByClassName("choice-text"));

const questionCounterText = document.getElementById("questionCounter");

const scoreText = document.getElementById("score");

let currentQuestion = {};

let acceptingAnswers = false;

let score = 0;

let questionCounter = 0;

let availableQuesions = [];

let questions = [];

fetch("../json/questions.json")

  .then(res => {

    return res.json();

  })

  .then(loadedQuestions => {

    console.log(loadedQuestions);

    questions = loadedQuestions;

    startQuiz();

  });

const CORRECT\_BONUS = 10;

const MAX\_QUESTIONS = 5;

startQuiz = () => {

  questionCounter = 0;

  score = 0;

  availableQuesions = [...questions];

  getNewQuestion();

};

getNewQuestion = () => {

  if (availableQuesions.length === 0 || questionCounter >= MAX\_QUESTIONS) {

    localStorage.setItem('mostRecentScore', score);

    return window.location.assign("../html/end.html");

  }

  questionCounter++;

  questionCounterText.innerText = `${questionCounter}/${MAX\_QUESTIONS}`;

  const questionIndex = Math.floor(Math.random() \* availableQuesions.length);

  currentQuestion = availableQuesions[questionIndex];

  question.innerText = currentQuestion.question;

  choices.forEach(choice => {

    const number = choice.dataset["number"];

    choice.innerText = currentQuestion["choice" + number];

  });

  availableQuesions.splice(questionIndex, 1);

  acceptingAnswers = true;

};

choices.forEach(choice => {

  choice.addEventListener("click", e => {

    if (!acceptingAnswers) return;

    acceptingAnswers = false;

    const selectedChoice = e.target;

    const selectedAnswer = selectedChoice.dataset["number"];

    const classToApply =

      selectedAnswer == currentQuestion.answer ? "correct" : "incorrect";

    if (classToApply === "correct") {

      incrementScore(CORRECT\_BONUS);

    }

    selectedChoice.parentElement.classList.add(classToApply);

    setTimeout(() => {

      selectedChoice.parentElement.classList.remove(classToApply);

      getNewQuestion();

    }, 400);

  });

});

incrementScore = num => {

  score += num;

  scoreText.innerText = score;

};

**end.js**

const username = document.getElementById('username');

const saveScoreBtn = document.getElementById('saveScoreBtn');

const finalScore = document.getElementById('finalScore');

const mostRecentScore = localStorage.getItem('mostRecentScore');

finalScore.innerText = "Total Score is: "+mostRecentScore+ " points!";

username.addEventListener('keyup', () => {

    saveScoreBtn.disabled = !username.value;

});

saveHighScore = (e) => {

    e.preventDefault();

};