

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    /* Add your CSS styles here */
    body {
      font-family: Arial, sans-serif;
      background-color: #3F51B5;
    }

    .quiz-container {
      background-color: #AED6F1;
      max-width: 600px;
      margin: 0 auto;
      padding: 20px;
      border: 1px solid #FF0000;
      border-radius: 5px;
      font-size: 21px;
      box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
    }

    h1 {
      text-align: center;
```

```
    color: #333;
}

form {
    margin-top: 20px;
}

label {
    display: block;
    margin-bottom: 10px;
    font-weight: bold;
}

input[type="text"],
input[type="number"],
select {
    width: 100%;
    padding: 10px;
    border: 1px solid #212F3C;
    border-radius: 3px;
    font-size: 18px;
}

.question {
    margin-bottom: 20px;
```

```
}
```

```
button {  
    display: block;  
    margin: 0 auto;  
    padding: 10px 20px;  
    background-color: #007BFF;  
    color: #fff;  
    border: none;  
    border-radius: 3px;  
    cursor: pointer;  
    font-size: 18px;  
}
```

```
button:hover {  
    background-color: #0056b3;  
}
```

```
.hidden {  
    display: none;  
}
```

```
.waiting-message {  
    text-align: center;  
    margin-top: 20px;
```

```
font-size: 18px;
display: none;
}
```

```
.result-container {
text-align: center;
margin-top: 20px;
font-size: 18px;
display: none;
}
```

```
.timer {
text-align: center;
font-size: 16px;
font-weight: bold;
margin-top: 20px;
}
```

```
.option-button {
display: block;
width: 100%; /* Set a fixed width for all options */
padding: 8px 16px;
background-color: #007BFF;
color: #fff;
border: none;
```

```
border-radius: 3px;
cursor: pointer;
margin-bottom: 10px;
text-align: justify;
}
.option-button.selected {
    background-color: #0056b3;
}
</style>
<title>General Knowledge Quiz</title>
</head>
<body>
<div class="quiz-container">
    <h1>General Knowledge Quiz</h1>
    <form id="user-info-form">
        <!-- Collect user information -->
        <label for="name">Name:</label>
        <input type="text" id="name" required><br>
        <label for="age">Age:</label>
        <select id="age" required>
            <option value="Below 18">Below 18</option>
            <option value="19 to 28">19 to 28</option>
            <option value="29 to 38">29 to 38</option>
            <option value="39 to 48">39 to 48</option>
            <option value="49 to 58">49 to 58</option>
```

```
    <option value="59 and above">59 and above</option>
</select><br>
<label for="gender">Gender:</label>
<select id="gender" required>
    <option value="male">Male</option>
    <option value="female">Female</option>
    <option value="other">Other</option>
</select><br>
<!-- Submit button -->
<button type="submit">Start Quiz</button>
</form>
```

```
<!-- Timer display -->
```

```
<div class="timer" id="timer"></div>
```

```
<!-- Waiting message -->
```

```
<div class="waiting-message hidden" id="waiting-message">
```

```
    Please wait, our system is preparing your quiz...
```

```
</div>
```

```
<!-- Quiz questions -->
```

```
<div class="question hidden" id="quiz-container">
```

```
    <!-- JavaScript will populate this section -->
```

```
</div>
```

```
<!-- Result section -->

<div class="result-container hidden" id="result-container">

  <p id="result-message"></p>

</div>

</div>

<script>

  // JavaScript code here

  document.addEventListener("DOMContentLoaded", function () {

    const userInfoForm = document.getElementById("user-info-form");

    const waitingMessage = document.getElementById("waiting-message");

    const resultContainer = document.getElementById("result-container");

    const resultMessage = document.getElementById("result-message");

    const quizContainer = document.getElementById("quiz-container");

    const timerDisplay = document.getElementById("timer");

    const userData = {

      name: "",

      age: 0,

      gender: ""

    };

    let quizData = [

      {

        question: "What is the capital of France?",
```

```
options: ["Madrid", "Rome", "Berlin", "Paris"],
correctAnswer: "Paris"
},
{
question: "Which planet is known as the Red Planet?",
options: ["Mars", "Venus", "Earth", "Jupiter"],
correctAnswer: "Mars"
},
{
question: "Who wrote the play 'Romeo and Juliet'?",
options: ["Charles Dickens", "Jane Austen", "William Shakespeare", "Mark Twain"],
correctAnswer: "William Shakespeare"
},
{
question: "What is the largest mammal in the world?",
options: ["Elephant", "Giraffe", "Whale Shark", "Blue Whale"],
correctAnswer: "Blue Whale"
}
];
```

```
let currentQuestionIndex = 0; // Track the current question
let correctAnswers = 0; // Track the number of correct answers
let timerInterval; // Timer interval ID
let timeRemaining = 30 * 60; // 30 minutes in seconds
```



```
// Function to shuffle an array
function shuffleArray(array) {
  for (let i = array.length - 1; i > 0; i--) {
    const j = Math.floor(Math.random() * (i + 1));
    [array[i], array[j]] = [array[j], array[i]];
  }
}

// Function to start the timer
function startTimer() {
  function updateTimer() {
    const minutes = Math.floor(timeRemaining / 60);
    const seconds = timeRemaining % 60;

    const formattedTime = `${minutes}:${seconds < 10 ? '0' : ''}${seconds}`;
    timerDisplay.textContent = `Time Remaining: ${formattedTime}`;

    if (timeRemaining <= 0) {
      // Timer has expired, show the result
      clearInterval(timerInterval);
      timerDisplay.textContent = 'Time Expired';
      generateQuiz();
    }

    timeRemaining--;
  }
}
```

```
}

// Initial update
updateTimer();

// Start the interval
timerInterval = setInterval(updateTimer, 1000);
}

// Function to generate quiz questions
function generateQuiz() {
  if (currentQuestionIndex < quizData.length) {
    const questionData = quizData[currentQuestionIndex];

    const questionDiv = document.createElement("div");
    questionDiv.className = "question";

    const questionPara = document.createElement("p");
    questionPara.textContent = `${currentQuestionIndex + 1}. ${questionData.question}`;

    const optionButtons = questionData.options.map(option => {
      const button = document.createElement("button");
      button.type = "button";
      button.className = "option-button";
      button.textContent = option;
    });
  }
}
```

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        button.dataset.value = option;

        return button;
    });

    questionDiv.appendChild(questionPara);

    optionButtons.forEach(button => {
        questionDiv.appendChild(button);

        button.addEventListener("click", () => {
            handleOptionSelection(button, questionData.correctAnswer);
        });
    });

    quizContainer.innerHTML = "";

    quizContainer.appendChild(questionDiv);
} else {

    // Quiz completed, calculate the percentage score
    const percentageScore = (correctAnswers / quizData.length) * 100;

    // Display the result message with the percentage score
    resultContainer.style.display = "block"; // Show the result container
    quizContainer.style.display = "none"; // Hide the quiz questions
    waitingMessage.style.display = "none"; // Hide the waiting message

    resultMessage.textContent = `Dear ${
        userData.gender === "male" ? "Mr." : "Mrs."
    }`;
}

```

```
} ${userData.name}, your quiz score is ${percentageScore.toFixed(2)}%.`;

// Disable the timer when the quiz is completed
clearInterval(timerInterval);

// Refresh the page after 10 seconds
setTimeout(function () {
    location.reload();
}, 10000);
}
}

// Function to handle option button selection
function handleOptionSelection(selectedButton, correctAnswer) {
    const optionButtons = selectedButton.parentElement.querySelectorAll(".option-button");
    optionButtons.forEach(button => {
        button.classList.remove("selected");
    });
    selectedButton.classList.add("selected");

    if (selectedButton.textContent === correctAnswer) {
        correctAnswers++; // Increment correct answer count
    }

    currentQuestionIndex++; // Move to the next question
```

```
generateQuiz()); // Display the next question or result
}

userInfoForm.addEventListener("submit", function (e) {

    e.preventDefault();

    // Collect user information

    userData.name = document.getElementById("name").value;
    userData.age = parseInt(document.getElementById("age").value);
    userData.gender = document.getElementById("gender").value;

    // Hide user data collector

    userInfoForm.classList.add("hidden");

    // Shuffle the quiz questions

    shuffleArray(quizData);

    // Start the timer

    startTimer();

    // Display a waiting message

    waitingMessage.style.display = "block";

    // Simulate a delay for demonstration and start the quiz

    setTimeout(function () {
```

```
    waitingMessage.style.display = "none";  
  
    quizContainer.classList.remove("hidden"); // Show quiz questions  
  
    generateQuiz(); // Start the quiz  
  
    }, 5000); // Simulate a 5-second delay before starting the quiz  
  
    });  
  
    });  
  
</script>  
  
</body>  
  
</html>
```