

Mini Project Code Snippets

- index.php (Question Page):

```
<?php
// Start session
session_start();

// Initialize questions and feedback
$questions = [
    1 => [
        'question' => 'What is the biggest stadium in Europe?',
        'options' => ['A' => 'Parc de Princes', 'B' => 'Allianz Arena',
        'C' => 'Spotify Camp Nou', 'D' => 'Santiago Bernabéu'],
        'answer' => 'C',
    ],
    2 => [
        'question' => 'How many UCL titles do FC Barcelona have?',
        'options' => ['A' => '1', 'B' => '5', 'C' => '4', 'D' => '6'],
        'answer' => 'B',
    ],
    3 => [
        'question' => 'When was the last season did FC Barcelona win an
UCL title?',
        'options' => ['A' => '2014/2015', 'B' => '2018/2019', 'C' =>
'2013/2014', 'D' => '2019/2020'],
        'answer' => 'A',
    ],
    4 => [
        'question' => 'Who is the recent manager of FC Barcelona?',
        'options' => ['A' => 'Pep Guardiola', 'B' => 'Hansi Flick', 'C' =>
'Donald Trump', 'D' => 'Taylor Swift'],
        'answer' => 'B',
    ],
    5 => [
        'question' => 'What is the name of matches between FC Barcelona
and Real Madrid?',
        'options' => ['A' => 'Derby Madrid', 'B' => 'Derby London', 'C' =>
'Le Classique', 'D' => 'El Clásico'],
        'answer' => 'D',
    ],
];

// Initialize feedback array
if (!isset($_SESSION['feedback'])) {
    $_SESSION['feedback'] = [];
}

// Get the current question
$curr_quest = $_SESSION['quest'] ?? 1;
```

```

// Handle form submission
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $user_answer = $_POST['answer'];
    $is_correct = $user_answer === $questions[$curr_quest]['answer'];

    // Save the feedback
    $_SESSION['feedback'][$curr_quest] = [
        'question' => $questions[$curr_quest]['question'],
        'user_answer' => $user_answer,
        'is_correct' => $is_correct,
        'correct_answer' => $questions[$curr_quest]['answer'],
    ];

    // Move to the next question
    $curr_quest++;
    $_SESSION['quest'] = $curr_quest;

    // If all questions are answered, redirect to results
    if ($curr_quest > count($questions)) {
        header("Location: result.php");
        exit;
    }
}

// Current question data
$curr_quest_data = $questions[$curr_quest];

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>FC Barcelona Quiz</title>
    <link rel="stylesheet" href="./style.css">
</head>
<body id="questions-page">
    <section id="question">
        
        <div id="question-container">
            <h2>Question <?= $curr_quest; ?> of 5</h2>
        </div>
        <p><?= htmlspecialchars($curr_quest_data['question']); ?></p>
    </section>

    <section>
        <form method="post">
            <div id="answers">
                <?php foreach ($curr_quest_data['options'] as $index =>
$option): ?>
                    <label>
                        <input type="radio" name="answer" value="<?=
htmlspecialchars($index); ?>" required>
                        <?= htmlspecialchars($option); ?>

```

```

        </label><br>
        <?php endforeach; ?>
    </div>
    <div id="button">
        <button type="submit">Next</button>
    </div>
</form>
</section>
<div id="progress-bar" style="--current-question: <?= $curr_quest; ?
>."></div>
</body>
</html>

```

- result.php (Results Page)

```

<?php
session_start();

// Redirect if no feedback
if (!isset($_SESSION['feedback'])) {
    header('Location: index.php');
    exit;
}

// Retrieve feedback and calculate score
$feedback = $_SESSION['feedback'];
$total_quest = count($feedback);
$score = 0;

foreach ($feedback as $item) {
    if ($item['is_correct']) {
        $score++;
    }
}

// Generate feedback message
if ($score == 5) {
    $fb_msg = "Great! You love FCB. You must have suffered a lot!! 😭";
} elseif ($score >= 2) {
    $fb_msg = "Hmm! You somehow like FCB.";
} else {
    $fb_msg = "Congrats for not being a fan of this club yayyy! 🎉🎉";
}

// Clear session after results
session_destroy();
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>FC Barcelona Quiz Result</title>

```

```

    <link rel="stylesheet" href="./style.css">
</head>
<body id="results-page">
    <section id="results">
        <div id="score">
            
            <h2>FC Barcelona Quiz Results</h2>
            <div id="overall-score">
                <p><strong><?= $score ?> out of <?= $total_quest ?>
</strong></p>
            </div>
        </div>
        <div id="feedback">
            <h2>Answer for each question:</h2>
            <?php foreach ($feedback as $index => $item): ?>
                <h3>Question <?= $index; ?>: <?=
htmlspecialchars($item['question']); ?></h3>
                <?php if ($item['is_correct']): ?>
                    <p><em>Correct answer: <?=
htmlspecialchars($item['correct_answer']); ?></em></p>
                    <div id="correct-answer">
                        <p class="correct">Your answer is correct! (1/1)
</p>
                    </div>
                <?php else: ?>
                    <p><em>Your answer: <?=
htmlspecialchars($item['user_answer']); ?></em></p>
                    <div id="incorrect-answer">
                        <p class="incorrect">Your answer is incorrect! The
correct answer is: <?= htmlspecialchars($item['correct_answer']); ?> (0/1)
</p>
                    </div>
                <?php endif; ?>
            <hr>
            <?php endforeach; ?>
        </div>
        <div id="summary">
            <h2>Summary Feedback of the Quiz</h2>
            <p><strong><?= htmlspecialchars($fb_msg); ?></strong></p>
        </div>
        <a href="index.php"><strong>Retake the quiz</strong></a>
    </section>
</body>
</html>

```

- style.css

```

:root {
    --color-primary: #004d98;
    --2nd-color-primary: #ffde02;
    --3rd-color-primary: #edbb00;

```

```
--4th-color-primary: #db0030;
--5th-color-primary: #a50044;
}

#correct-answer,
#incorrect-answer,
#overall-score {
  display: flex;
  justify-content: space-around;
}

.correct {
  background-color: green;
  color: white;
  border: solid var(--color-primary);
  border-radius: 0.5em;
  font-weight: bold;
  width: 15em;
  padding: 0.5em;
  text-align: center;
  font-size: large;
}

.incorrect {
  background-color: red;
  color: white;
  border: solid var(--color-primary);
  border-radius: 0.5em;
  font-weight: bold;
  width: 25em;
  padding: 0.5em;
  text-align: center;
  font-size: large;
}

a {
  display: flex;
  justify-content: space-around;
  color: var(--2nd-color-primary);
}

#results, #questions-page {
  animation: fadeIn 1s ease-in-out;
}

@keyframes fadeIn {
  from {
    opacity: 0;
  }
  to {
    opacity: 1;
  }
}

/* Results page styling */
```

```
#results-page {
  background-image: url("../Camp_Nou.jpg");
  background-size: cover;
}

#results-page img {
  width: 60px;
  height: 60.85px;
  position: absolute;
  margin: 0.5em -5.5em;
}

#results {
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-self: center;
  background: linear-gradient(135deg, var(--color-primary), var(--5th-color-primary));
  color: white;
  width: 40%;
  border: solid var(--5th-color-primary);
  border-radius: 1em;
  padding: 0 0.5em 0.5em 0.5em;
}

#score h2 {
  text-align: center;
}

#score p {
  background-color: var(--2nd-color-primary);
  color: var(--4th-color-primary);
  text-align: center;
  font-size: large;
  border: solid var(--2nd-color-primary);
  border-radius: 1em;
  width: 8em;
  padding: 0.3em 0 0.2em 0;
}

#overall-score {
  border-bottom: groove;
}

#feedback {
  text-align: center;
}

#summary {
  display: flex;
  flex-direction: column;
  justify-content: center;
  background-color: var(--3rd-color-primary);
  border: solid var(--3rd-color-primary);
  border-radius: 0.5em;
}
```

```
    margin: 1.2em 1em 1em 1em;
}
#summary h2 {
    text-align: center;
    color: var(--5th-color-primary);
    padding-bottom: 0.2em;
    margin: 0.8em 0.5em;
    border-bottom: groove;
    border-color: var(--5th-color-primary);
}
#summary p {
    text-align: center;
    color: var(--color-primary);
    font-size: x-large;
}

/* Questions page styling */
#questions-page {
    background-image: url("../Camp_Nou.jpg");
    background-size: cover;
    color: white;
    width: 25em;
    height: auto;
    display: flex;
    flex-direction: column;
    justify-self: center;
    margin-top: 10em;
}

#questions-page #question {
    background-color: #db0030;
    color: white;
    border: solid #db0030;
    border-radius: 1em;
    margin: 0 0 0.5em 0;
}

#questions-page #question h2 {
    background-color: #db0030;
    border: solid #a50044;
    border-radius: 1em;
    text-align: center;
    width: 10em;
    position: relative;
    bottom: 50px;
    padding: 0.5em 0;
}

#question-container {
    display: flex;
    justify-content: center;
}

#questions-page #question p {
```

```
    margin: 0 0 0.5em 0;
    position: relative;
    bottom: 20px;
    text-align: center;
    font-size: x-large;
}

#answers {
    display: grid;
    grid-template-rows: repeat(2, auto);
    font-size: large;
}

label {
    background-color: #db0030;
    border: solid #db0030;
    border-radius: 0.5em;
    margin: 0.5em 0.5em 0 0.2em;
    padding: 0.5em 0 0.5em 0.2em;
    font-weight: 550;
}

label:hover {
    background-color: #00376b;
    border-color: #00376b;
}

#questions-page img {
    width: 60px;
    height: 60.85px;
    position: absolute;
    margin-left: 0.5em;
}

#button {
    text-align: center;
    margin: 0.5em 0.5em 1em 0.5em;
}

label, button {
    transition: background-color 0.3s ease, transform 0.2s ease;
}

label:hover, button:hover {
    transform: scale(1.05);
}

button {
    background-color: #ffed02;
    border-color: #edbb00;
    border-radius: 0.5em;
    padding: 0.5em 1em 0.5em 1em;
    font-size: large;
}

button:focus, label:focus {
```



```
    outline: 3px solid var(--4th-color-primary);
    outline-offset: 2px;
}

#progress-bar {
    width: 80%;
    height: 10px;
    background: #ccc;
    margin: 1em auto;
    border-radius: 5px;
    overflow: hidden;
}

#progress-bar::after {
    content: '';
    display: block;
    width: calc(20% * var(--current-question, 1));
    height: 100%;
    background: var(--color-primary);
    transition: width 0.3s ease;
}
```