# **1.Online Test Application Code**

## **Source Code:**

#### Quiz.html -

```
<div id="quiz" class="container mt-5">
  <h2 class="text-center fw-bold text-uppercase">{{ quiz.name }}</h2></h2>
  <hr />
  <div *ngIf="mode == 'quiz' && quiz">
    <div *ngFor="let question of filteredQuestions">
      <div class="mb-4">
        <span class="badge bg-info">
          Question {{ pager.index + 1 }} of {{ pager.count }}.
        </span>
        <span *ngIf="config.duration" class="badge bg-info float-end">
         Time: {{ ellapsedTime }} / {{ duration }}
        </span>
      </div>
      <h3 class="fw-normal mb-4">
        {{ pager.index + 1 }}.
        <span [innerHTML]="question.name"></span>
      <div class="row text-left options">
        <div class="col-6" *ngFor="let option of question.options">
          <div class="option">
            <label class="fw-normal" [attr.for]="option.id">
                id="{{ option.id }}"
                type="checkbox"
                [(ngModel)]="option.selected"
                (change)="onSelect(question, option)"
              {{ option.name }}
            </label>
          </div>
        </div>
      </div>
    </div>
    <hr />
    <div class="text-center">
      <button
        class="btn btn-outline-primary mx-2"
       *ngIf="config.allowBack"
```

```
(click)="goTo(0)"
      First
    </button>
    <button
      class="btn btn-outline-primary mx-2"
      *ngIf="config.allowBack"
     (click)="goTo(pager.index - 1)"
      Prev
    </button>
    <button
      class="btn btn-outline-primary mx-2"
      (click)="goTo(pager.index + 1)"
     Next
    </button>
    <button
      class="btn btn-outline-primary mx-2"
      *ngIf="config.allowBack"
     (click)="goTo(pager.count - 1)"
     Last
    </button>
  </div>
  <br />
</div>
<div class="row text-center" *ngIf="mode == 'review'">
   class="col-4 cursor-pointer"
    *ngFor="let question of quiz.questions; let index = index"
     (click)="goTo(index)"
     class="p-3 mb-2 {{
        isAnswered(question) == 'Answered' ? 'bg-info' : 'bg-warning'
     }}"
      {{ index + 1 }}. {{ isAnswered(question) }}
    </div>
  </div>
</div>
<div class="result" *ngIf="mode == 'result'">
   Quiz Result:
    <span class="badge bg-success"</pre>
     >Your Score is: {{ quizScore }} Out of {{ quizTotalScore }}/span
```

```
</h2>
    <div *ngFor="let question of quiz.questions; let index = index">
      <div class="result-question">
        <h5>{{ index + 1 }}. {{ question.name }}</h5>
        <div class="row">
          <div class="col-6" *ngFor="let Option of question.options">
            <input</pre>
              id="{{ Option.id }}"
              type="checkbox"
              disabled="disabled"
              [(ngModel)]="Option.selected"
            />
            {{ Option.name }}
          </div>
        </div>
          class="p-1 m-2 alert {{
            isCorrect(question) == 'correct' ? 'alert-success' : 'alert-
danger'
          }}"
          Your answer is {{ isCorrect(question) }}.
        </div>
      </div>
    </div>
    <h4 class="alert alert-info text-center">You may close this window
now.</h4>
 </div>
  <div *ngIf="mode != 'result'">
    <button class="btn btn-warning mx-2" (click)="mode = 'quiz'">Quiz</button>
    <button class="btn btn-info mx-2" (click)="mode =</pre>
'review'">Review</button>
    <button class="btn btn-primary mx-2" (click)="onSubmit()">
      Submit Quiz
    </button>
  </div>
</div>
```

#### Quiz-List.html -

```
src="{{ tempQuiz.imageUrl }}"
         class="card-img-top"
         alt="Quiz Image"
       />
       <div class="card-body text-center">
         <h5 class="card-title">
           {{ tempQuiz.name }}
         </h5>
         <hr />
         {{ tempQuiz.description }}
         routerLink="/quiz/{{ tempQuiz.name }}"
           class="btn btn-outline-primary"
           >Give {{ tempQuiz.name }} Quiz</a</pre>
       </div>
     </div>
   </div>
 </div>
</div>
```

### App-Component.html -

```
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
 <a class="navbar-brand ml-2 fw-bolder" routerLink="/quiz">Online Quiz</a>
 <a class="navbar-brand ml-2 fw-bolder" routerLink="/login">Login</a>
 <app-login></app-login>
 <button</pre>
   class="navbar-toggler"
   type="button"
   data-toggle="collapse"
   data-target="#navbarNav"
   aria-controls="navbarNav"
   aria-expanded="false"
   aria-label="Toggle navigation"
   <span class="navbar-toggler-icon"></span>
 </button>
 <div class="collapse navbar-collapse" id="navbarNav">
   class="nav-link btn-outline-primary btn-sm text-light fw-bolder"
         routerLink="/quiz"
         >Home</a
```

#### Index.html -