

Online Test Application Code :-

Quiz.html –

```
<div id="quiz" class="container mt-5">
  <h2 class="text-center fw-bold text-uppercase">{{ quiz.name }}</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>
      </h3>
      <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">
              <input
                id="{{ option.id }}"
                type="checkbox"
                [(ngModel)]="option.selected"
                (change)="onSelect(question, option)"
              />
              {{ option.name }}
            </label>
          </div>
        </div>
      </div>
    </div>
  </div>
  <hr />
  <br />
  <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'">
  <div
    class="col-4 cursor-pointer"
    *ngFor="let question of quiz.questions; let index = index"
  >
    <div
      (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'">
  <h2>
    Quiz Result:
    <span class="badge bg-success">
      >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
            id="{{ Option.id }}"
            type="checkbox"
            disabled="disabled"
            [(ngModel)]="Option.selected"
          />
          {{ Option.name }}
        </div>
      </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>
<hr />
<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 =
'review'">Review</button>
  <button class="btn btn-primary mx-2" (click)="onSubmit()">
    Submit Quiz
  </button>
</div>
</div>

```

Quiz-List.html –

```

<div class="container mt-5">
  <div class="row">
    <div *ngFor="let tempQuiz of quizzes" class="col-md-4">
      <div class="card">
        
    <div class="card-body text-center">
        <h5 class="card-title">
            {{ tempQuiz.name }}
        </h5>
        <hr />
        <p class="card-text">
            {{ tempQuiz.description }}
        </p>
        <a
            routerLink="/quiz/{{ tempQuiz.name }}"
            class="btn btn-outline-primary"
            >Give {{ tempQuiz.name }} Quiz</a>
        >
    </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
        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">
        <ul class="navbar-nav ms-auto">
            <li class="nav-item">
                <a
                    class="nav-link btn-outline-primary btn-sm text-light fw-bolder"
                    routerLink="/quiz"
                >Home</a>
            </li>
        </ul>
    </div>
</nav>

```

```

        >
      </li>
    </ul>
  </div>
</nav>

<div class="container">
  <router-outlet></router-outlet>
</div>

<footer class="bg-dark text-center text-lg-start mt-5">
  <!-- Copyright -->
  <div class="text-center p-3 text-light fw-bold">
    © 2022 Copyright:
    <a class="text-light fw-bold" routerLink="/quiz">Online Quiz
Application</a>
  </div>
  <!-- Copyright -->
</footer>

```

Index.html –

```

<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>OnlineTestApplication</title>
  <base href="/">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="icon" type="image/x-icon" href="favicon.ico">
</head>
<body>
  <app-root></app-root>
</body>
</html>

```