**Simplilearn Phase-4 Project**

**Developer Details:**

Developer Name: Vodthala Avinash Goud

Email: [avinashgoud98765@gmail.com](mailto:avinashgoud98765@gmail.com)

Date:02th June 2022

**Objective:**

To build an application where user can get online tests, review them and displays results.

**Features:**

Using our application as a user you can write test, review test and view results.

**User Interaction:**

1. By selecting various options user will get the following options:

* Take Online Test
* Review Test
* View Result

2. By selecting the option User can do all the operations.

**Sprint Planning:**

Number of Sprints Planned: 3

Duration of 1 sprint = 7 days

The following are the sprint details:

1. Sprint 1:

* Collected requirements
* prepared flow chart diagram.
* Added Developer details and Main Menu

1. Sprint 2: Added Business level Operations
2. Sprint 3: Testing the Application by performing business level operations.

**Tools used:**

* VS Code
* Git hub
* MySQL

**Programming language:**

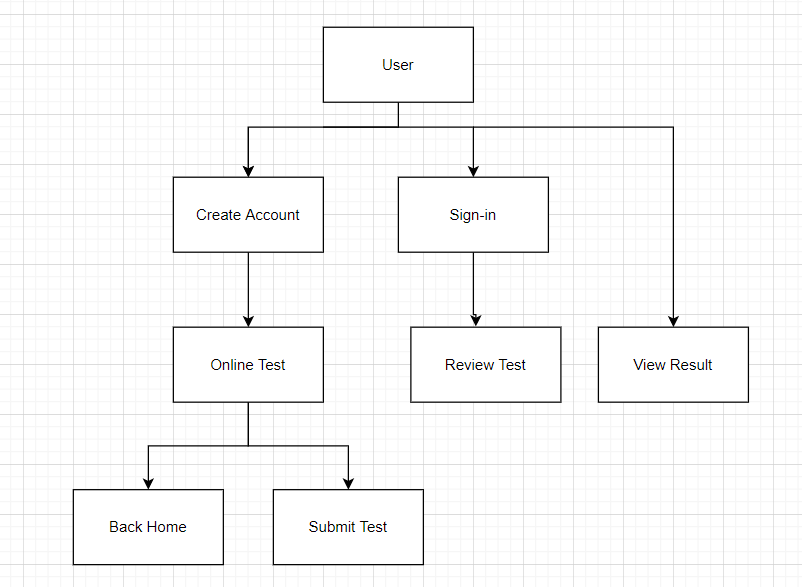
* HTML, CSS, Type Script

**Framework:**

Angular

**Diagrams:**

**1.Flow Chart:**



**Source code:**

**Aboutus.html:**

<app-navbar></app-navbar>

<div id="heading" class="text-center font-weight-bold">Quiz</div>

<img id = "img" src="../../assets/images/line.svg" height="200" width="100%">

<div id="name" class="py-4 mb-0 px-3 ml-2 mr-2">

    <div id="head1" class="text-center text-white"><strong>Quiz</strong> Secure, Professional Web Based Quiz Easy to use,for business, training and educational assessment with instantly scored tests and quizzes saving you hours of paperwork!</div>

</div>

<div id = "con" class="container">

    <div class="bg-white rounded shadow-lg mb-5 mt-5 py-3 px-3">

        <div class="row row-cols-2 py-3">

            <div class="col">

            <img src="../../assets/images/assess.jpg" width="500" height="300">

            </div>

            <div class="col">

            <br><br><br>

            <h5 class="card-title"><strong>Take The Assessment</strong></h5>

            <p class="card-text">Spend less than 15 min answering 10 Questions about your selected Category.</p>

            </div>

            <div class="col">

            <br>

            <img src="../../assets/images/Score.jpg" width="500" height="300">

            </div>

            <div class="col">

            <br><br><br>

            <h5 class="card-title"><strong>See How You Scored</strong></h5>

            <p class="card-text">You will immediately see your overall score, which measure your current ability.</p>

            </div>

        </div>

    </div>

</div>

<app-footer></app-footer>

**Contactus.html:**

<app-navbar></app-navbar>

<!DOCTYPE html>

<html>

<head></head>

<body>

    <div class="row justify-content-center">

        <div class="col-md-4 text-left bg-white rounded shadow-lg mb-5 mt-5  py-3">

            <div><h3><strong>Contact us</strong></h3></div><br>

            <form (ngSubmit) = "onsubmit(signupform)" #signupform = "ngForm">

                <div class="form-row">

                    <div class="form-group col-12">

                        <label for="fname">Name</label>

                        <input type="text" class="form-control" id="fname" name="Ufname" ngModel required  #fname="ngModel">

                        <small \*ngIf = '!fname.valid &&  fname.touched' class="text-danger">Please Enter Your name</small>

                    </div>

                </div>

                <div class="form-group">

                    <label for="email">Email</label>

                    <input type="email" class="form-control" id="email" placeholder="john@abc.com" name="Umail" ngModel required email #email="ngModel">

                    <small \*ngIf = '!email.valid &&  email.touched' class="text-danger">Please Enter Valid Email</small>

                </div>

                <div class="form-group">

                    <label>Your Message</label>

                    <textarea class="text-left" name="text" rows="4" cols="47"></textarea>

                </div>

                <button type="submit" class="btn btn-primary float-right" [disabled] = '!signupform.valid'>Submit</button>

            </form>

        </div>

    </div>

</body>

</html>

<app-footer></app-footer>

**CreateAccount.html:**

<!DOCTYPE html>

<html>

<head></head>

<body>

    <div class="row justify-content-center">

        <div class="col-md-6 text-left bg-white rounded shadow-lg mb-5 mt-5 py-3">

            <img class="rounded mx-auto d-block mb-4" src="../../assets/images/quizlog-removebg-preview.png" width="72" height="72" >

            <h1 class="h2 mb-3 font-weight-normal text-center">Create your Quiz Account</h1><br>

            <form (ngSubmit) = "onsubmit(signupform)" #signupform = "ngForm">

                <div class="form-row">

                    <div class="form-group col-md-6">

                        <label for="fname">First Name</label>

                        <input type="text" class="form-control" id="fname" name="Ufname" ngModel required  #fname="ngModel">

                        <small \*ngIf = '!fname.valid &&  fname.touched' class="text-danger">Please Enter Your name</small>

                    </div>

                    <div class="form-group col-md-6">

                        <label for="lname">Last Name</label>

                        <input type="text" class="form-control" id="lname" name="Ulname" ngModel>

                    </div>

                </div>

                <div class="form-group">

                    <label for="email">Email</label>

                    <input type="email" class="form-control" id="email" placeholder="john@abc.com" name="Umail" ngModel required email #email="ngModel">

                    <small \*ngIf = '!email.valid &&  email.touched' class="text-danger">Please Enter Valid Email</small>

                </div>

                <div class="form-group">

                    <label for="pass">Password</label>

                    <input type="password" class="form-control" id="pass" name="Upass" ngModel required #pass="ngModel">

                    <small \*ngIf = '!pass.valid &&  pass.touched' class="text-danger">Please Enter Password</small>

                </div>

                <button type="submit" class="btn btn-primary float-right" [disabled] = '!signupform.valid'>Create Account</button>

            </form>

        </div>

    </div>

</body>

</html>

<app-footer></app-footer>

**Footer.html:**

<!DOCTYPE html>

<html>

<head></head>

<body>

    <br><br>

    <footer class="pt-3 my-md-3 pt-md-3 border-top" style="padding-left: 20px; padding-right: 20px;">

        <div class="row">

            <div class="col-12 col-md">

                <img src="./assets/images/quizlog-removebg-preview.png" width="50" height="50">

                <span class="text-muted">  &copy; 2022-All Rights Reserved.</span>

            </div>

            <span><a class="text-muted" [routerLink] = "['/contactus']">Contact us</a></span>

            <span><a class="text-muted" [routerLink] = "['/privacy']">Privacy & Terms</a></span>

            <span>

                <a><i class="bi bi-twitter"></i></a>

                <a id ="mid"><i class="bi bi-instagram"></i></a>

                <a ><i class="bi bi-facebook"></i></a>

            </span>

        </div>

    </footer>

</body>

</html>

**Home.html:**

<app-navbar></app-navbar>

<table>

    <tr>

        <th>

            <div id = "back" class="container">

                <h1 class="display-4">Ready for<br>meaningful engagement?</h1>

                <p class="lead">Find and Create exciting Quizzzzes.</p>

                <a class="btn btn-lg" [routerLink] = "['/getstart']" role="button">Get Started <i class="bi bi-arrow-right-short"></i></a>

            </div>

        </th>

        <th>

            <img src="../../assets/images/Effective-teamwork.png" width="820" height="513">

        </th>

    </tr>

</table>

<app-footer></app-footer>

**Navbar.html:**

<!DOCTYPE html>

<html>

<head></head>

<body>

    <div class="d-flex flex-column flex-md-row align-items-center p-3 px-md-4 mb-3 bg-white border-bottom shadow-sm fixed-top">

        <h5 class="my-0 mr-md-auto font-weight-normal"><a [routerLink] = "['/']"><img src="../assets/images/quizmain-removebg-preview.png" style="height: 40px;width:90px;"></a></h5>

        <nav class="my-2 my-md-0 mr-md-3">

            <a class="p-2 text-dark" [routerLink] = "['/about']">About</a>

            <span \*ngIf ='uname!=""' class = "p-2 text-dark"> |&nbsp; {{uname}}</span>

            <a \*ngIf ='uname==""' class="p-2 text-dark" onclick="document.getElementById('id01').style.display='block'" style="width:auto;">Sign in</a>

        </nav>

        <a \*ngIf ='uname!=""' class="btn btn-sm" [routerLink] = "['/']" (click) = 'onlogout()'><i class="bi bi-power"></i>&nbsp;SignOut</a>

        <a \*ngIf ='uname==""' class="btn btn-lg" [routerLink] = "['/create']">Create an account</a>

    </div>

    <div id="id01" class="modal">

        <form class="modal-content animate">

            <div class="imgcontainer">

                <span onclick="document.getElementById('id01').style.display='none'" class="close" title="Close">&times;</span>

            </div>

            <form class="form-signin" style="border: 1; text-align: center;" (ngSubmit) = "onsubmit(signinform)" #signinform = "ngForm">

                <img class="mb-4" src="../../assets/images/quizlog-removebg-preview.png" alt="" width="72" height="72">

                <h1 class="h2 mb-3 font-weight-normal">Sign in</h1>

                <label for="email" class="sr-only">Email address</label>

                <input type="email" id="email" class="form-control" placeholder="Email address" name="Umail" required autofocus ngModel email #email="ngModel">

                <small \*ngIf = '!email.valid &&  email.touched' class="text-danger float-left py-2">Please Enter Valid Email</small>

                <label for="pass" class="sr-only">Password</label>

                <input type="password" id="pass" class="form-control" placeholder="Password" name="Upass" ngModel required #pass="ngModel">

                <div id = "chk" style="text-align: right;"><a [routerLink] = "['/forget']">Forgot password?</a></div>

                <button type = "submit" class="btn btn-lg  btn-block mt-5 mb-3" [disabled] = '!signinform.valid'>Sign in</button>

                <p id = "bott">Don't have an account? <a [routerLink] = "['/create']">Create Account</a></p>

            </form>

        </form>

    </div>

    <script>

        var modal = document.getElementById('id01');

        window.onclick = function(event) {

            if (event.target == modal) {

                modal.style.display = "none";

            }

        }

    </script>

</body>

</html>

**QuizDisplay.html:**

<!DOCTYPE html>

<html>

<head></head>

<body>

    <div class="sidenav">

        <div \*ngIf ='uname!=""'>

            <div style = "padding:10px;"><strong>Name:&nbsp;</strong>{{uname}}</div>

            <br>

        </div>

        <div style = "padding:10px;"><strong>Questions:-</strong></div>

        <div>

            <table  style="margin-left:4px">

                <tr>

                    <td><a id = "navbtn1" class="btn"  role="button" (click) ="btncontent(0)">1</a></td>

                    <td><a id = "navbtn2" class="btn"  role="button" (click) ="btncontent(1)">2</a></td>

                    <td><a id = "navbtn3" class="btn"  role="button" (click) ="btncontent(2)">3</a></td>

                    <td><a id = "navbtn4" class="btn"  role="button" (click) ="btncontent(3)">4</a></td>

                    <td><a id = "navbtn5" class="btn"  role="button" (click) ="btncontent(4)">5</a></td>

                </tr>

                <tr>

                    <td><a id = "navbtn6" class="btn"  role="button" (click) ="btncontent(5)">6</a></td>

                    <td><a id = "navbtn7" class="btn"  role="button" (click) ="btncontent(6)">7</a></td>

                    <td><a id = "navbtn8" class="btn"  role="button" (click) ="btncontent(7)">8</a></td>

                    <td><a id = "navbtn9" class="btn"  role="button" (click) ="btncontent(8)">9</a></td>

                    <td><a id = "navbtn10" class="btn"  role="button" (click) ="btncontent(9)">10</a></td>

                </tr>

            </table>

        </div>

        <br><br><br><br><br><br>

        <div class="text-center">

            <a class="btn btn-danger text-center" role="button" (click) = "homecnf()"><i class="bi bi-house-fill"></i> Back to Home</a>

        </div>

    </div>

    <div id="track">

        <span style="padding-right: 40px;">Answered:&nbsp;<i id = "vis" class="bi bi-square-fill"></i> </span>

        <span style="padding-right: 40px;padding-left: 40px;">Not Answered:&nbsp;<i id = "nvis" class="bi bi-square-fill"></i> </span>

        <span style="padding-right: 40px;padding-left: 40px;">Review:&nbsp;<i id = "rev" class="bi bi-square-fill"></i>  </span>

        <span style="padding-right: 40px;padding-left: 40px; ">Time Left:&nbsp;<span id="time">{{min}} Min {{timeLeft}} sec</span> </span>

    </div>

    <div class="main">

        <div id="Heading" class="media text-muted pt-3">

            <div  class="media-body pb-2 mb-0 small lh-125 border-bottom border-gray">

                <div class="d-flex justify-content-between align-items-center w-100">

                    <h6 id="qno"><strong class="text-dark"></strong></h6>

                </div>

            </div>

        </div>

        <div class="my-3 p-3 bg-white rounded shadow-lg">

            <div class="row">

                <div class="col">

                    <div class="media text-muted pt-3">

                        <div class="media-body pb-3 mb-0 small lh-125 border-bottom border-gray">

                            <div id = "quest" class="d-flex justify-content-between align-items-center w-100"></div>

                        </div>

                    </div>

                </div>

            </div>

            <div class="w-100"></div>

            <div class="media text-muted pt-3">

                <div class="media-body pb-3 mb-0 small lh-125 border-bottom border-gray">

                    <div class="d-flex justify-content-between align-items-center w-100">

                        <div class="custom-control custom-radio">

                            <input type="radio" id="op1" name="op" class="custom-control-input" >

                            <label class="custom-control-label" for="op1"><h6 id= "option1"><strong class="text-gray-dark"></strong></h6></label>

                        </div>

                    </div>

                </div>

            </div>

            <div class="media text-muted pt-3">

                <div class="media-body pb-3 mb-0 small lh-125 border-bottom border-gray">

                    <div class="d-flex justify-content-between align-items-center w-100">

                        <div class="custom-control custom-radio">

                            <input type="radio" id="op2" name="op" class="custom-control-input" >

                            <label class="custom-control-label" for="op2"><h6 id= "option2"><strong class="text-gray-dark"></strong></h6></label>

                        </div>

                    </div>

                </div>

            </div>

            <div class="media text-muted pt-3">

                <div class="media-body pb-3 mb-0 small lh-125 border-bottom border-gray">

                    <div class="d-flex justify-content-between align-items-center w-100">

                        <div class="custom-control custom-radio">

                            <input type="radio" id="op3" name="op" class="custom-control-input">

                            <label class="custom-control-label" for="op3"><h6 id= "option3"><strong class="text-gray-dark"></strong></h6></label>

                        </div>

                    </div>

                </div>

            </div>

            <div class="media text-muted pt-3">

                <div class="media-body pb-3 mb-0 small lh-125 border-bottom border-gray">

                    <div class="d-flex justify-content-between align-items-center w-100">

                        <div class="custom-control custom-radio">

                            <input type="radio" id="op4" name="op" class="custom-control-input" >

                            <label class="custom-control-label" for="op4"><h6 id= "option4"><strong class="text-gray-dark"></strong></h6></label>

                        </div>

                    </div>

                </div>

            </div>

        </div>

        <div class="text-center">

            <span style="padding-right: 40px;"><button type="button" class="btn" id = "review" (click)="review()"><i class="bi bi-eye-fill"></i> Marked for Review</button></span>

            <span style="padding-right: 40px;"><button type="button" class="btn" id= "prev" (click)="prev()"><i class="bi bi-arrow-bar-left"></i> Previous</button></span>

            <span style="padding-right: 40px;"><button type="button" class="btn" id= "next" (click)="next()">Next <i class="bi bi-arrow-bar-right"></i></button></span>

            <span style="padding-right: 40px;"><button type="button" class="btn btn-info" id= "savenext" (click)="savenext()"> Save & Next <i class="bi bi-arrow-bar-right"></i></button></span>

            <span \*ngIf="i==9"><a id= "submitquiz" class="btn btn-success" role="button" (click)="submitquiz()">Submit Quiz</a></span>

        </div>

    </div>

</body>

</html>

**Review.html:**

<app-navbar></app-navbar>

<div class="jumbotron">

    <h1 class="display-4"><strong>Score Card</strong></h1>

    <hr class="my-4">

    <p>See your score card on clicking below button.</p>

    <a class="btn btn-success" data-toggle="collapse" href="#collapseExample" role="button" aria-expanded="false" aria-controls="collapseExample">

        Review & Result

    </a>

</div>

<div class="collapse" id="collapseExample">

    <div class="card card-body">

        <div style="background-color: #85C1E9 ;padding:10px;"><h3>Your Score:&nbsp;{{point}}/100</h3></div>

        <table class="table">

            <thead>

                <tr>

                    <th scope="col">#</th>

                    <th scope="col">Questions</th>

                    <th scope="col">Correct Answer</th>

                    <th scope="col">Your Answer</th>

                </tr>

            </thead>

            <tbody>

                <tr \*ngFor = 'let item of filecontent'>

                    <th scope="row">{{item.qid}}</th>

                    <td>{{item.qtext}}</td>

                    <td>{{item.ans}}</td>

                    <td [ngClass]="{greenClass: item.col, redClass: !item.col}">{{item.uans}}</td>

                </tr>

            </tbody>

        </table>

    </div>

</div>

<app-footer></app-footer>

**App.module.ts:**

import { NgModule } from '@angular/core';

import { BrowserModule } from '@angular/platform-browser';

import {FormsModule} from '@angular/forms'

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { ErrorComponent } from './error/error.component';

import { HomeComponent } from './home/home.component';

import { NavbarComponent } from './navbar/navbar.component';

import { FooterComponent } from './footer/footer.component';

import { CreateaccountComponent } from './createaccount/createaccount.component';

import { GetstartedComponent } from './getstarted/getstarted.component';

import { QuizhomeComponent } from './quizhome/quizhome.component';

import { QuizdisplayComponent } from './quizdisplay/quizdisplay.component';

import { BrowserAnimationsModule } from '@angular/platform-browser/animations';

import { QuizcontentsService } from './services/quizcontents.service';

import { ReactiveFormsModule } from '@angular/forms';

import { ReviewComponent } from './review/review.component';

import { PrivacyComponent } from './privacy/privacy.component';

import { ForgetpassComponent } from './forgetpass/forgetpass.component';

import { ContactusComponent } from './contactus/contactus.component';

import { AboutComponent } from './about/about.component';

@NgModule({

  declarations: [

    AppComponent,

    ErrorComponent,

    HomeComponent,

    NavbarComponent,

    FooterComponent,

    CreateaccountComponent,

    GetstartedComponent,

    QuizhomeComponent,

    QuizdisplayComponent,

    ReviewComponent,

    PrivacyComponent,

    ForgetpassComponent,

    ContactusComponent,

    AboutComponent,

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    BrowserAnimationsModule,

    FormsModule,

    ReactiveFormsModule

  ],

  providers: [QuizcontentsService],

  bootstrap: [AppComponent]

})

export class AppModule { }

**App.component.ts:**

import { Component} from '@angular/core';

@Component({

  selector: 'app-root',

  templateUrl: './app.component.html',

  styleUrls: ['./app.component.css']

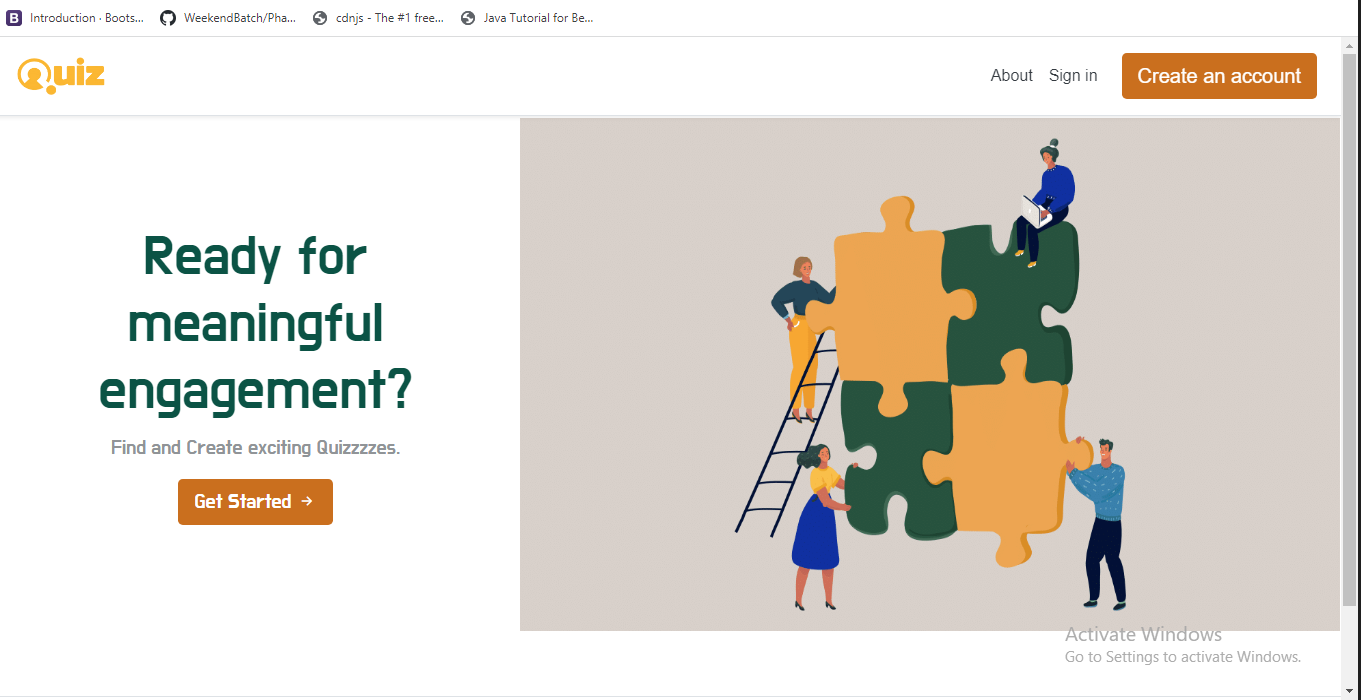
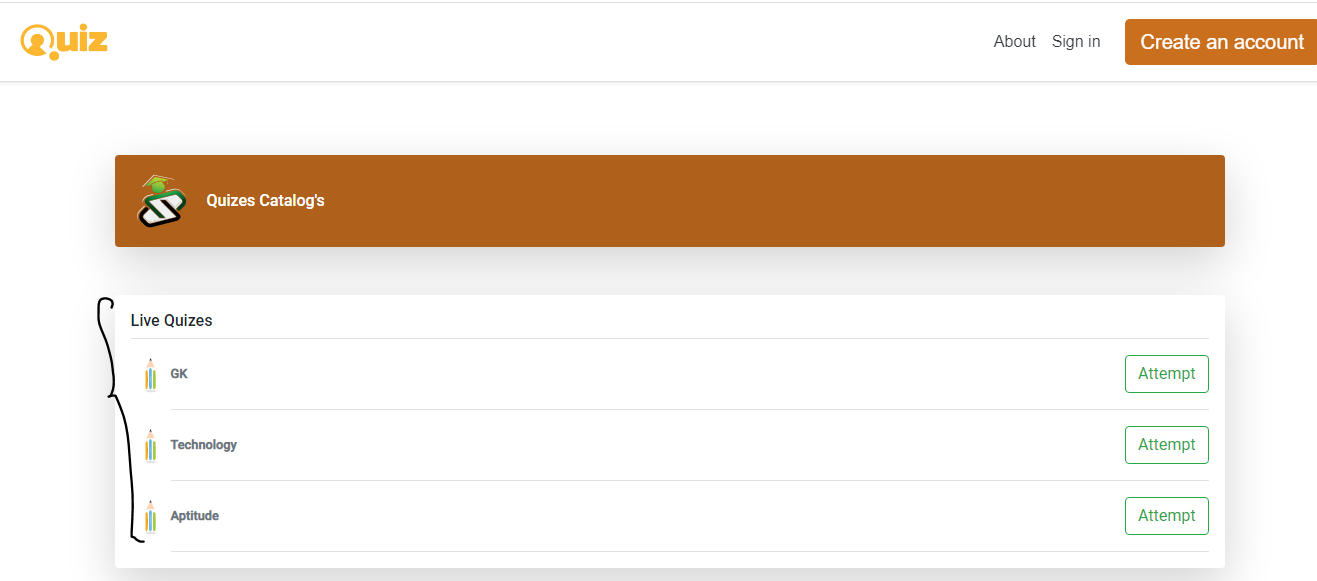
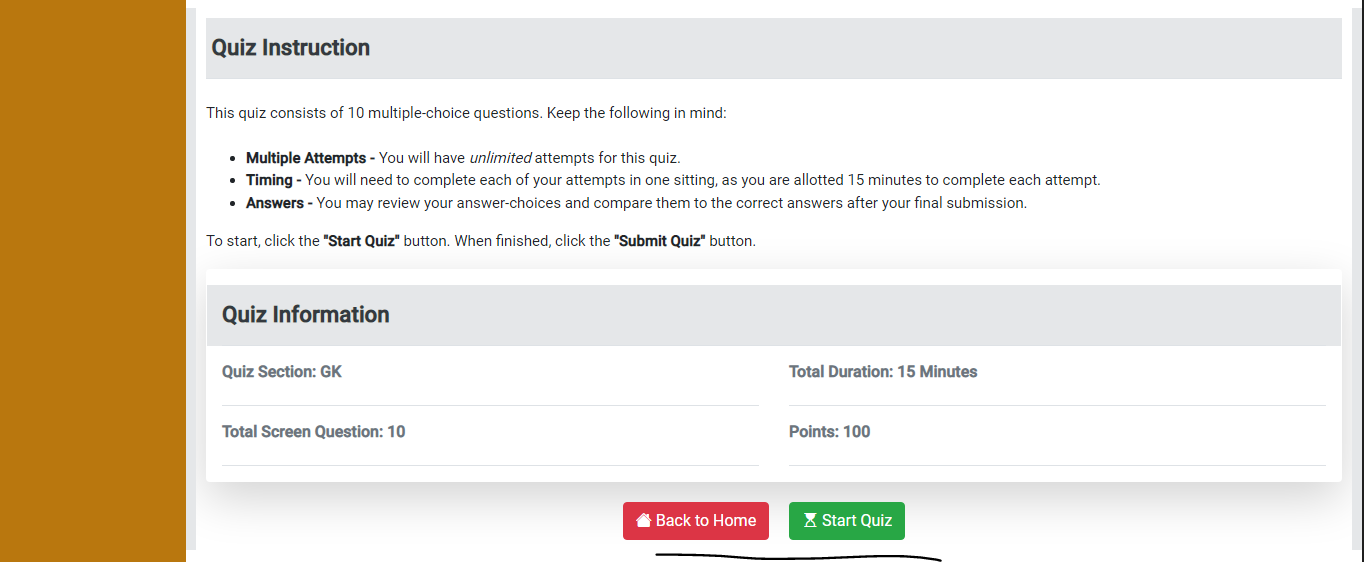
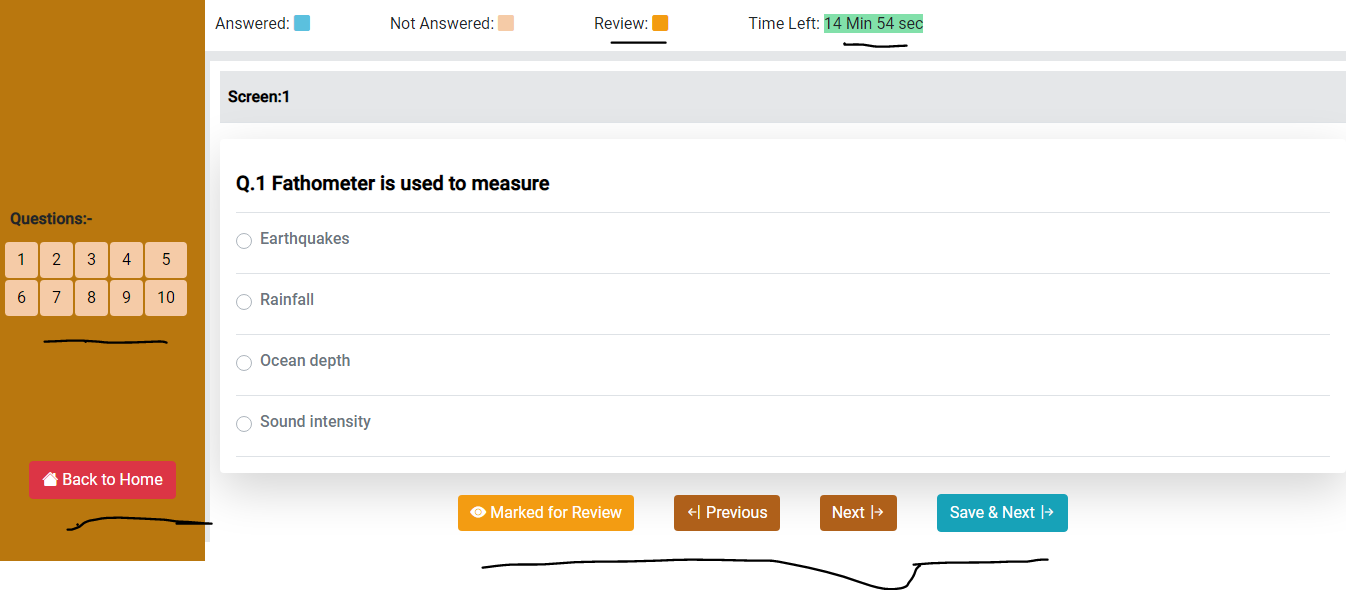
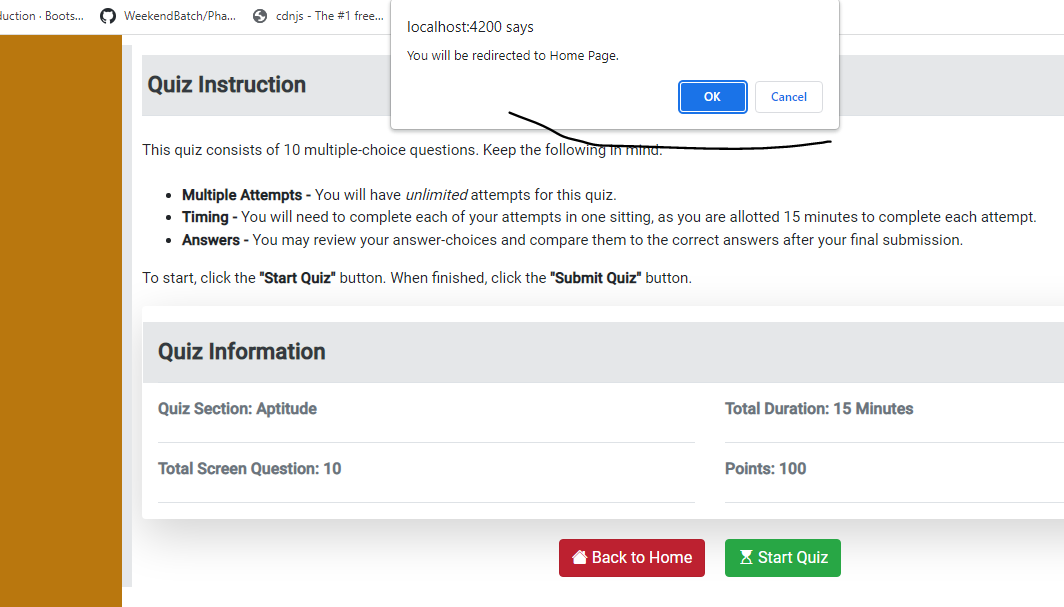
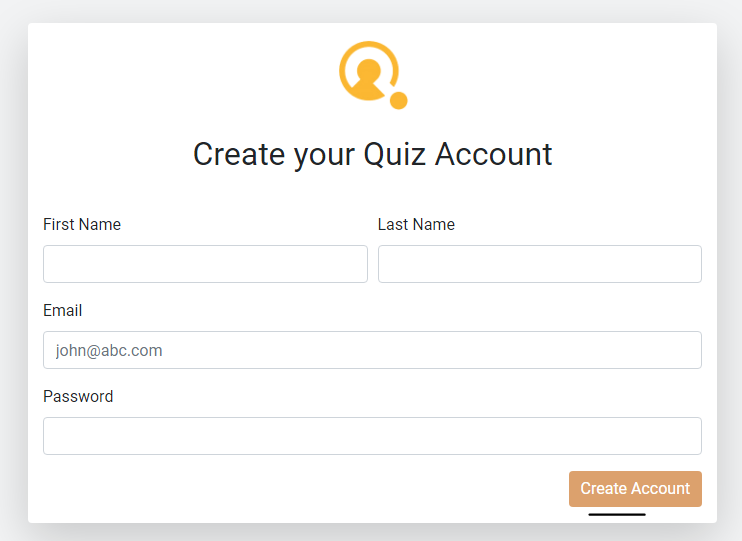
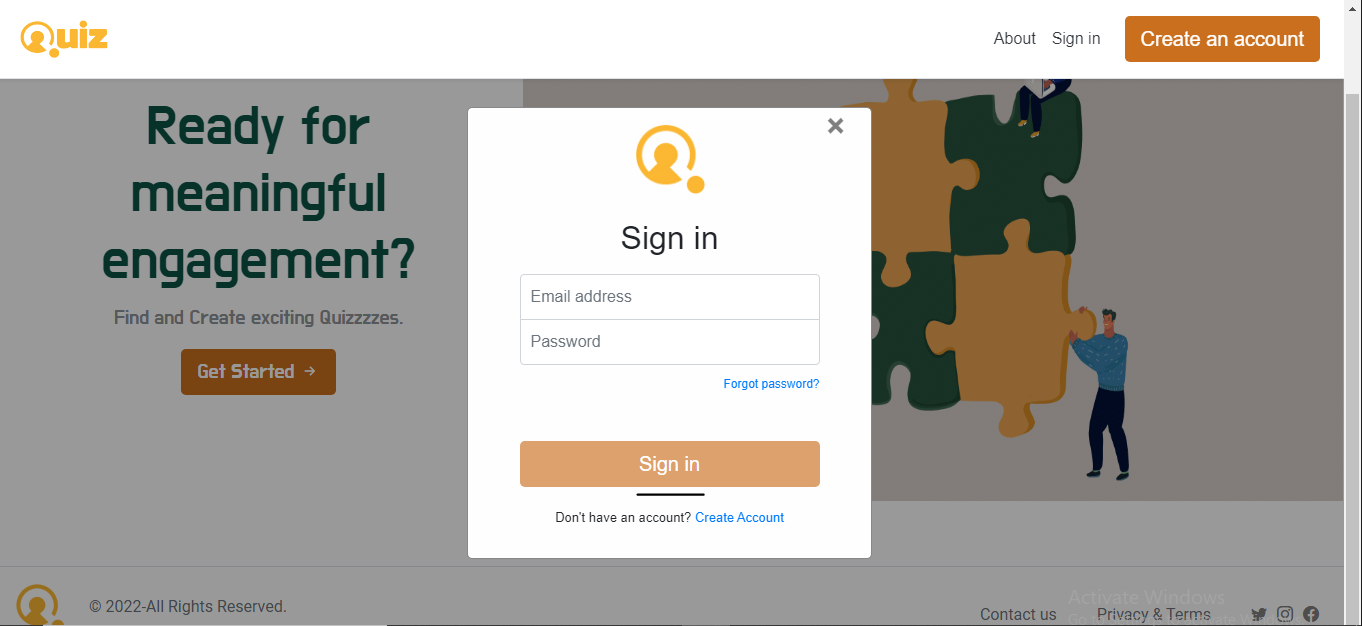
})

export class AppComponent {

  title = 'ota';

}

**Screenshots:**

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**Git Hub Details:**

Github – It is open source application to create remote repository and store our project details.

Git hub Token: ghp\_QDHuvM7LljbwdHHI1Z4nofs9AWW2De0C0qJu

**Git hub commands used:**

* Git init: To initialize the git repository in local
* Git status: To show the details like commited files, untracked files
* Git add . : To add the untracked files to stages area
* Git commit –m “Added Simple Project”: To commit in local area
* Git log: To display the number of commits you already did
* Git log –oneline : To display commit id which are in local
* git branch –M main:Rename master branch master to main
* Connect locale to remote repository.
* git push origin main / git push -u origin main: To push our commits to remote repository

To connect local and remote repository we can use the below link:

git remote add origin https://ghp\_QDHuvM7LljbwdHHI1Z4nofs9AWW2De0C0qJu@github.com/avinashgithub1/

**Conclusion:** By using this application we can write online test, review test and view result. We can enhance this application further by adding functionalities like improving authentication and adding more modules.