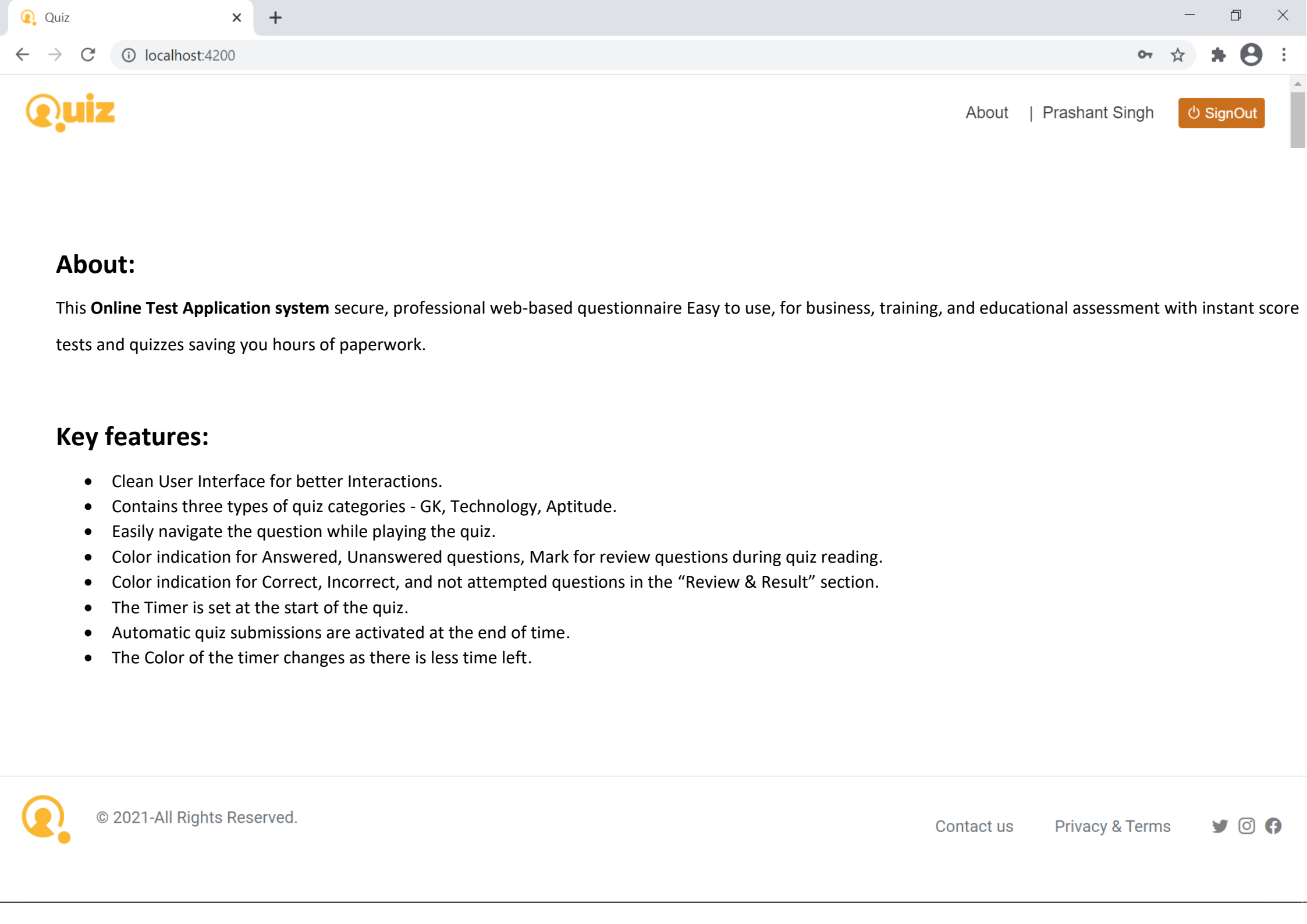The Project

Online Test Application

Prepared By:

Prashant Singh | Technical Trainee, at TEKsystems Global Services Pvt. Ltd.

About:

This **Online Test Application system** secure, professional web-based questionnaire Easy to use, for business, training, and educational assessment with instant score tests and quizzes saving you hours of paperwork.

Key features:

- Clean User Interface for better Interactions.
- Contains three types of quiz categories - GK, Technology, Aptitude.
- Easily navigate the question while playing the quiz.
- Color indication for Answered, Unanswered questions, Mark for review questions during quiz reading.
- Color indication for Correct, Incorrect, and not attempted questions in the "Review & Result" section.
- The Timer is set at the start of the quiz.
- Automatic quiz submissions are activated at the end of time.
- The Color of the timer changes as there is less time left.

Components:

- About
- Contactus
- Createaccount
- Error
- Footer
- Forgetpass
- Getstarted
- Home
- Navbar
- Privacy
- Quizdisplay
- Quizhome
- Review
- Services

```
∨ ota
  > e2e
  > node_modules
  ∨ src
    ∨ app
      > about
      > contactus
      > createaccount
      > error
      > footer
      > forgetpass
      > getstarted
      > home
      > navbar
      > privacy
      > quizdisplay
      > quizhome
      > review
      ∨ services
        TS quizcontents.service.spe...
        TS quizcontents.service.ts
      TS app-routing.module.ts
      # app.component.css
      <> app.component.html
      TS app.component.spec.ts
> OUTLINE
```

Quiz

About | Prashant Singh **⏻ SignOut**

Overview

Data Processing

I used the "service" to store my quiz data and my user details in Json format. The app will render this information and push it to the user's screen for work like logging in and creating an account and playing the quiz.

```
UserPass:any[]=[
    {
        "Ufname":"Prashant",
        "Ulname":"Singh",
        "Umail":"pras@gmail.com",
        "Upass":"dont123"


    },
    {

        "Ufname":"Rishu",
        "Ulname":"Singh",
        "Umail":"rishu@gmail.com",
        "Upass":"need123"


    }

]
```
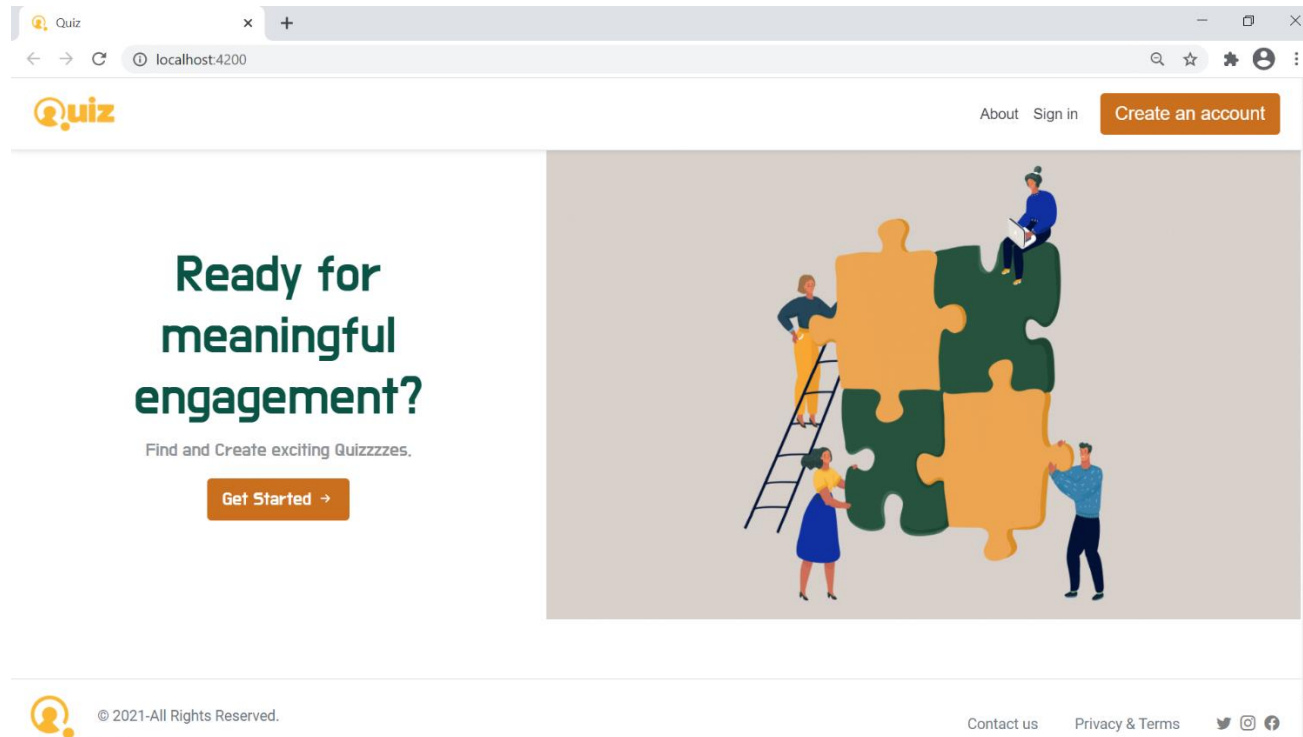
```
gk_content:Quizformat[] = [
    {
        qid:"1",
        qtext:"Fathometer is used to measure",
        op1:"Earthquakes",
        op2:"Rainfall",
        op3:"Ocean depth",
        op4:"Sound intensity",
        ans:"Ocean depth"
    },
    {

        qid:"2",
        qtext:"With which of the following was satyajit Ray associated",
        op1:"Commercial art",
        op2:"Classical Music",
        op3:"Classical Dance",
        op4:"Direction of films",
        ans:"Direction of films"
    },
    {

        qid:"3",
        qtext:"Who proposed the Preamble before the Drafting Committee of the Constitution",
        op1:"Jawaharlal Nehru",
        op2:"B.R.Ambedkar",
        op3:"B.N.Rau",
```

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localhost:4200
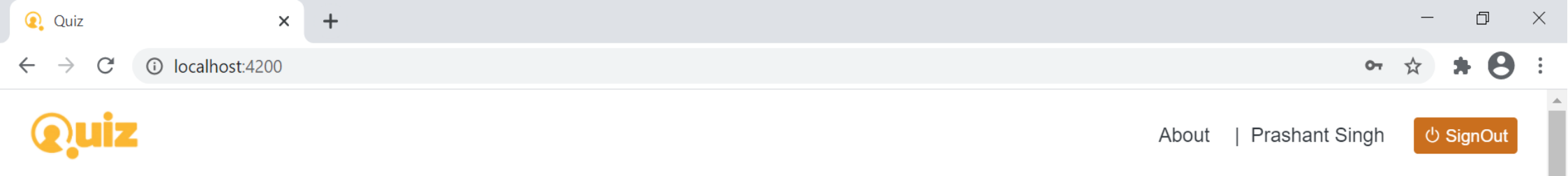
Home Page

This is the first page you will see when the "ng serve –o" command is issued on the terminal.

Quiz

SignOut
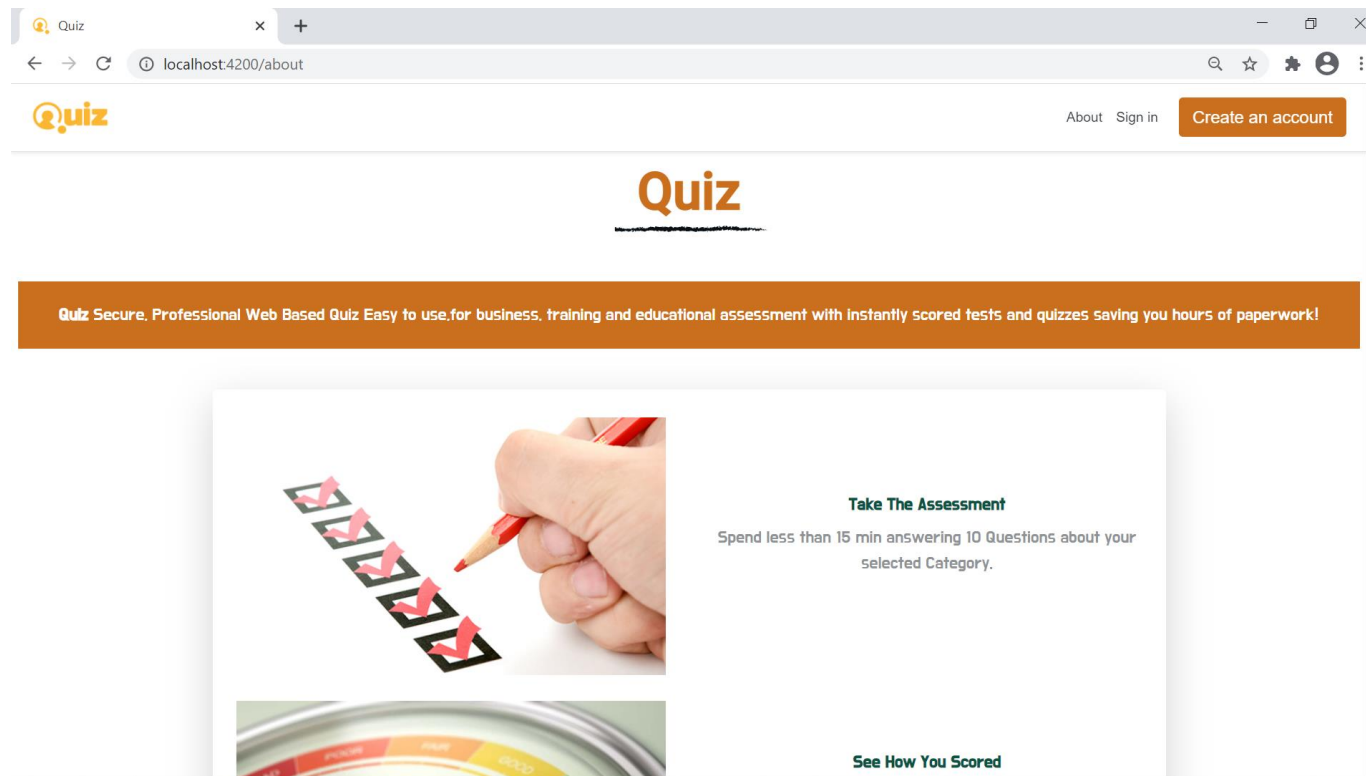
About

These sections contain information about the page.

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← → C ⓘ localhost:4200

About | Prashant Singh   ⏻ SignOut
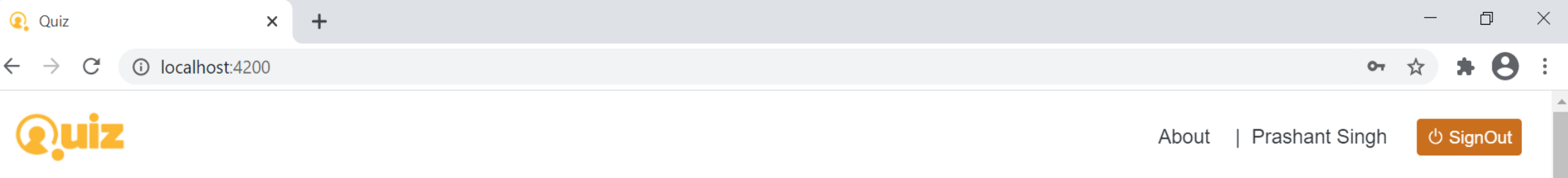
Sign in & Create Account

This allows the user to log into the quiz site and play the quiz, if they enter wrong credentials, an error pop-up will be displayed on the screen stating the same. If the user has not created an account on the site, they can create the account and start playing the quiz. I used the template-driven Form to create this page.

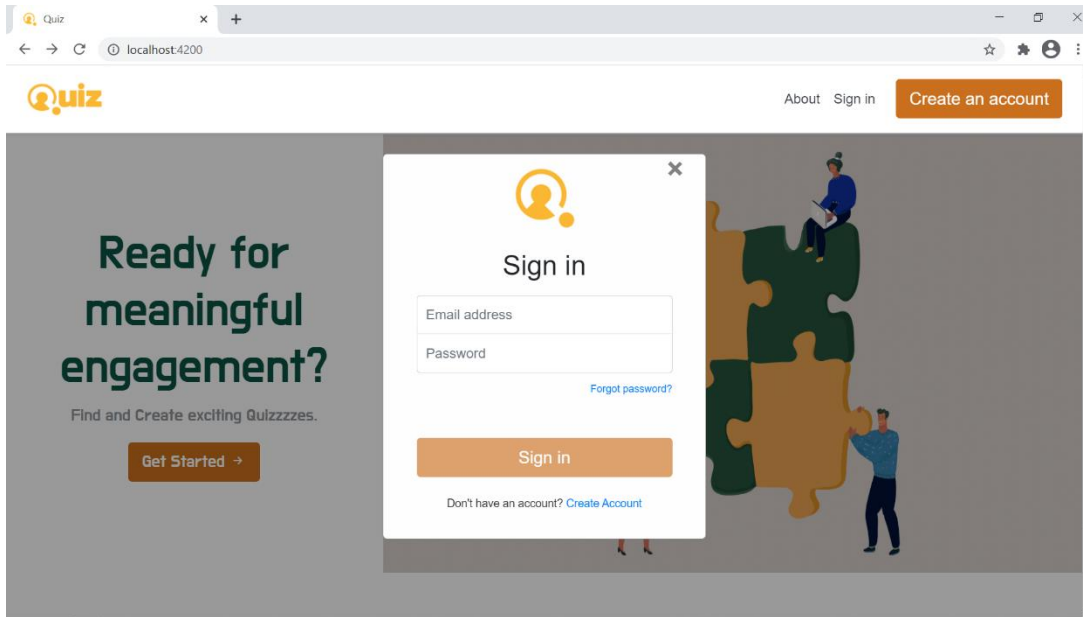© 2021-All Rights Reserved.

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localhost:4200

Quiz

About | Prashant Singh

SignOut
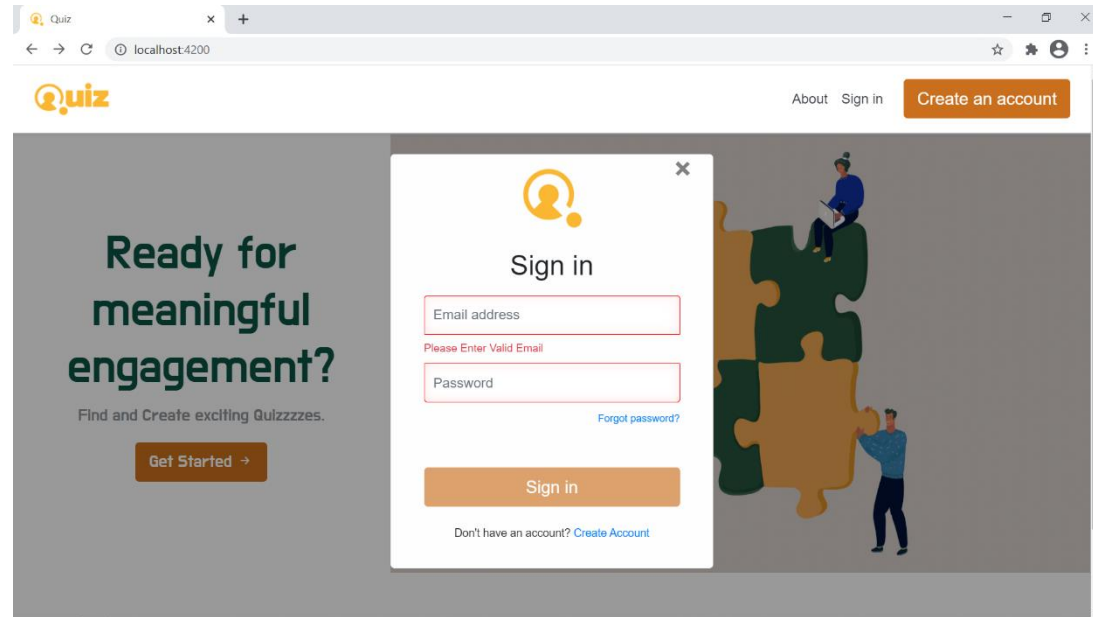
Create your Quiz Account

First Name   Last Name

Email
john@abc.com

Password

Create Account

Create your Quiz Account

First Name   Last Name

Please Enter Your name

Email
john@abc.com

Please Enter Valid Email

Password

Please Enter Password

Create Account

---

localhost:4200 says
Sign in Successful!

OK

About   Sign in   Create an account

Ready for meaningful engagement?

Find and Create exciting Quizzzzes.

Get Started →

Sign in

pras@gmail.com

••••••

Forgot password?

Sign in

Don't have an account? Create Account

---

localhost:4200 says
Are you sure want to SignOut?

OK   Cancel

About | Prashant Singh   SignOut

Quiz

Ready for meaningful engagement?

Find and Create exciting Quizzzzes.

Get Started →

Contact us   Privacy & Terms

Get Started

This allows the user to play the quiz without creating an account on the site. This redirects the user to the quiz catalogs page where the user can opt for the choice of quiz categories.
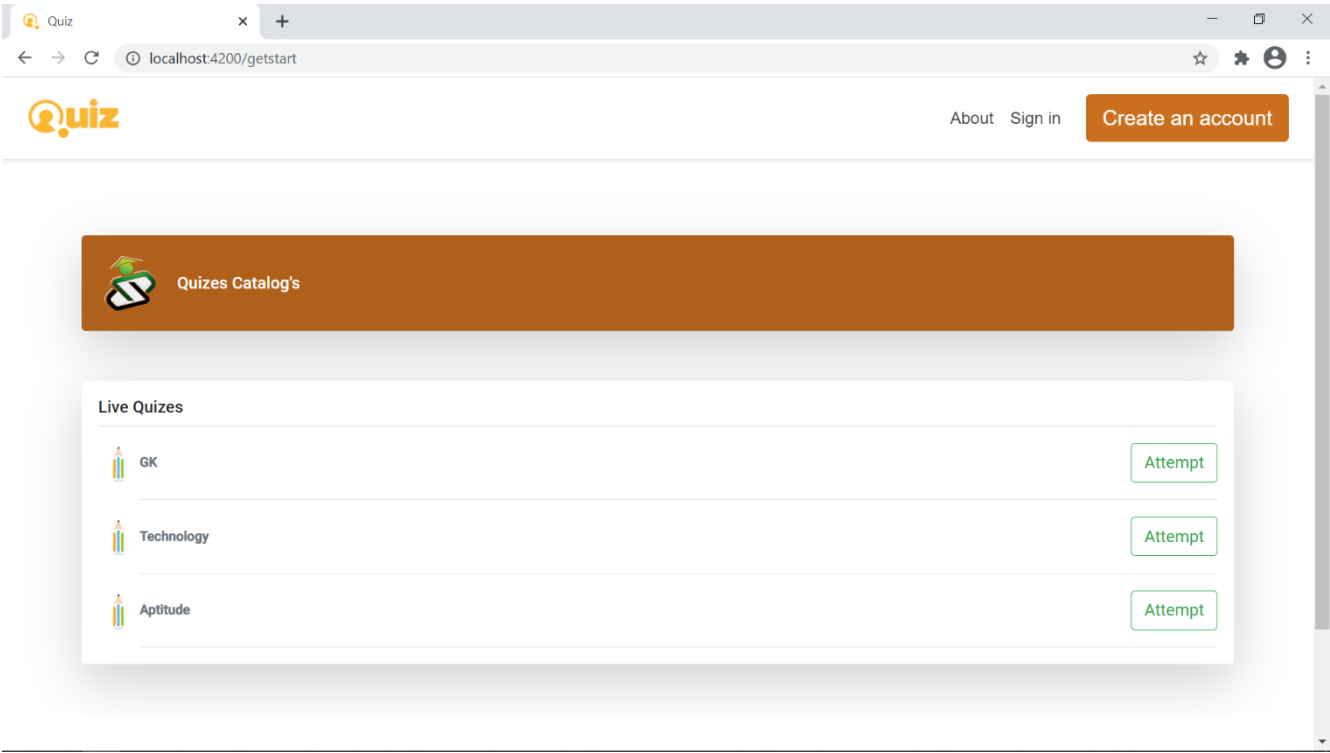
Instruction Page & Quiz Interface

The user will have an appropriate directive on the selected quiz before starting this quiz.After pressing the "Start quiz" button, the following interface will be displayed on the screen and the user can start to answer the question. The timer is displayed at the top of the page. The color of the Question buttons changes depending on the clicks made by the user. This helps the user to track their submissions of each question. When attempting the last question in the quiz, the "Submit quiz" button is displayed and the "Save & next", "Next" button is disabled. Please see below for reference

localhost:4200

About | Prashant Singh ⏻ SignOut
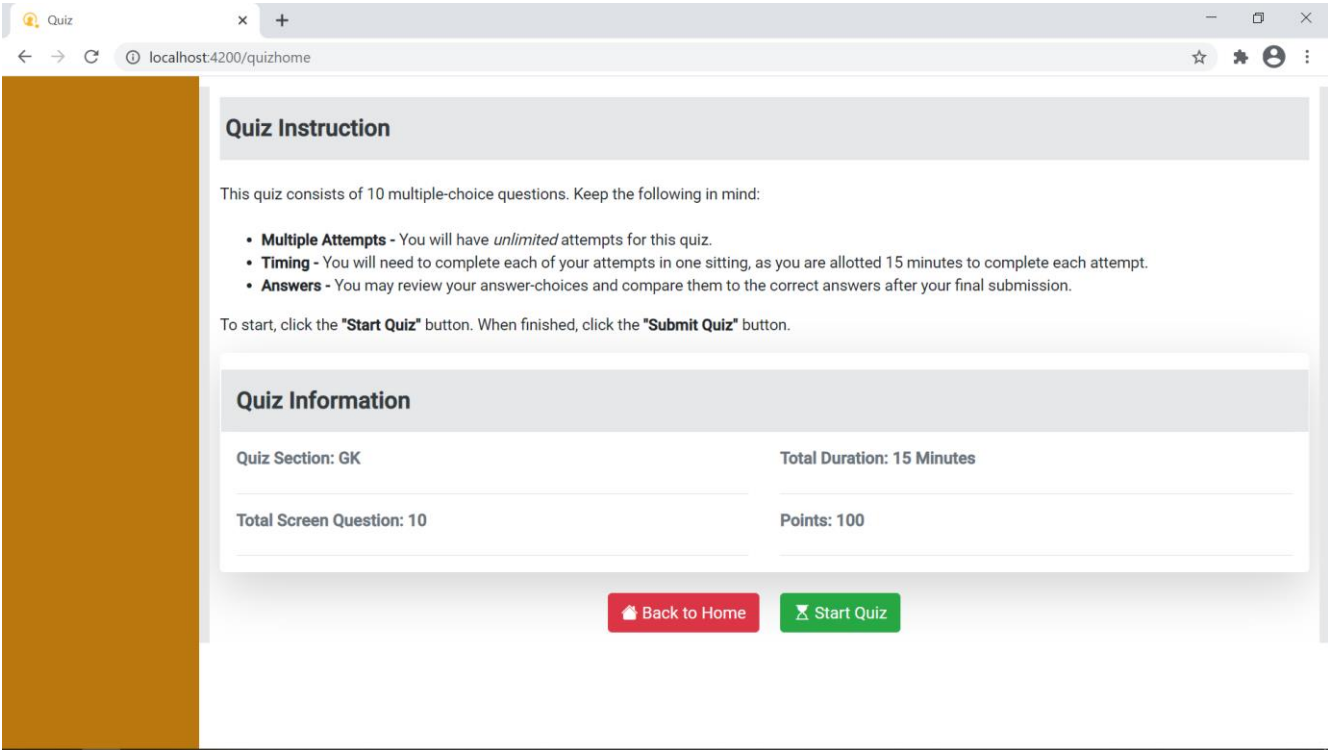
Quiz

localhost:4200/quizdisplay

Answered: ▢ Not Answered: ▢ Review: ▢ Time Left: 14 Min 54 sec

Screen:1

Q.1 Fathometer is used to measure

○ Earthquakes

○ Rainfall

○ Ocean depth

○ Sound intensity

Questions:-

| 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |

🏠 Back to Home

👁 Marked for Review   ⬅| Previous   Next |➡   Save & Next |➡

Quiz

localhost:4200/quizdisplay

Answered: ▢ Not Answered: ▢ Review: ▢ Time Left: 13 Min 33 sec

Screen:10

Q.10 Who is the author of the book 'Freedom Behind Bars '

○ Kiran Bedi

○ Jawaharlal Nehru

○ Nelson Mandela

○ Sheikh Abdullah

Questions:-

| 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |

🏠 Back to Home

👁 Marked for Review   ⬅| Previous   Next |➡   Save & Next |➡   Submit Quiz

---

Review & Result

After the final submissions, the user will be automatically redirected to this section where the user can see their scorecard for the quiz they attempted. Here the user can compare their response with the actual answer for self-assessment. The color indication will help the user for better visibility for comparison.

Contact us

This helps the user to raise any query or share comments with the team.

Conclusion

The **Online Test Application** is user-friendly, very simple and convenient to use. The system is complete in that it is operational and under test by entering the data and getting the reports in the correct order. But there is always room for improvement. During the development of this, coding standards are followed for ease of maintenance and scalability. The project has been successfully designed and is tested for accuracy and quality. During this project, I achieved all the goals and this project meets the needs of the assigned requirements.