

# **SIMPLE QUIZ APPLICATION**

## **Scope:**

The quiz application will be a web-based platform that allows users to access and try various quizzes. It will provide features for user registration, quiz-taking, and result tracking.

## **Objectives:**

The main objectives of the quiz application are as follows:

- Provide a user-friendly interface for participating in quizzes.
- Allow users to register themselves.
- Support various question types, such as multiple-choice, true/false, and fill in the blanks.
- Provide immediate performance analysis upon quiz completion.

## **Software Requirements:**

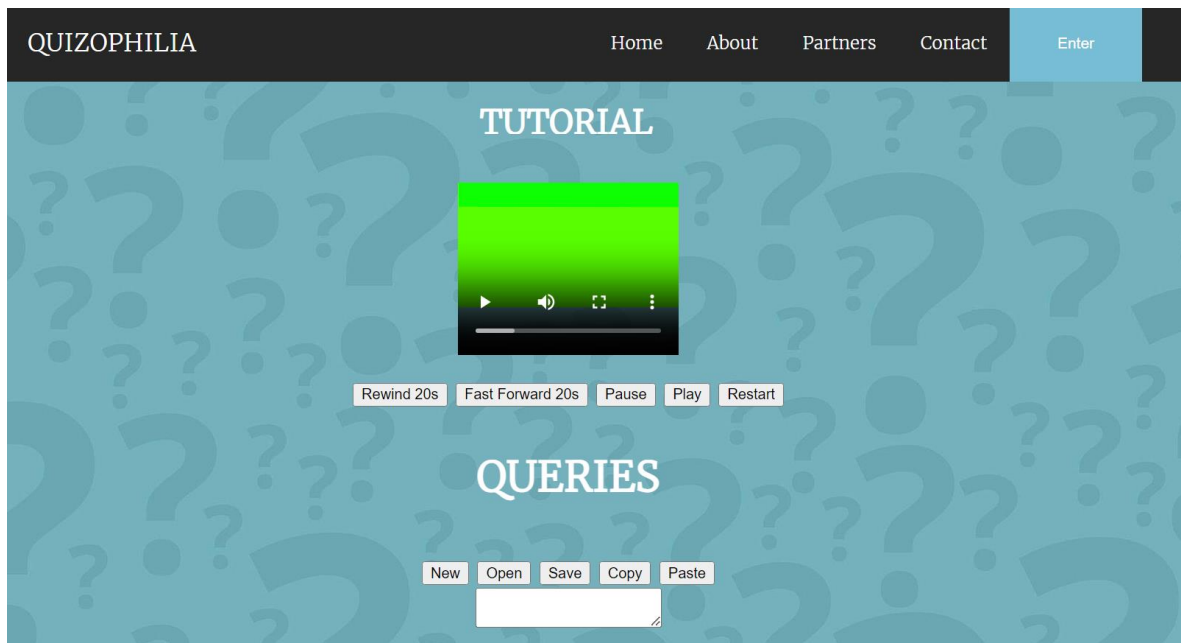
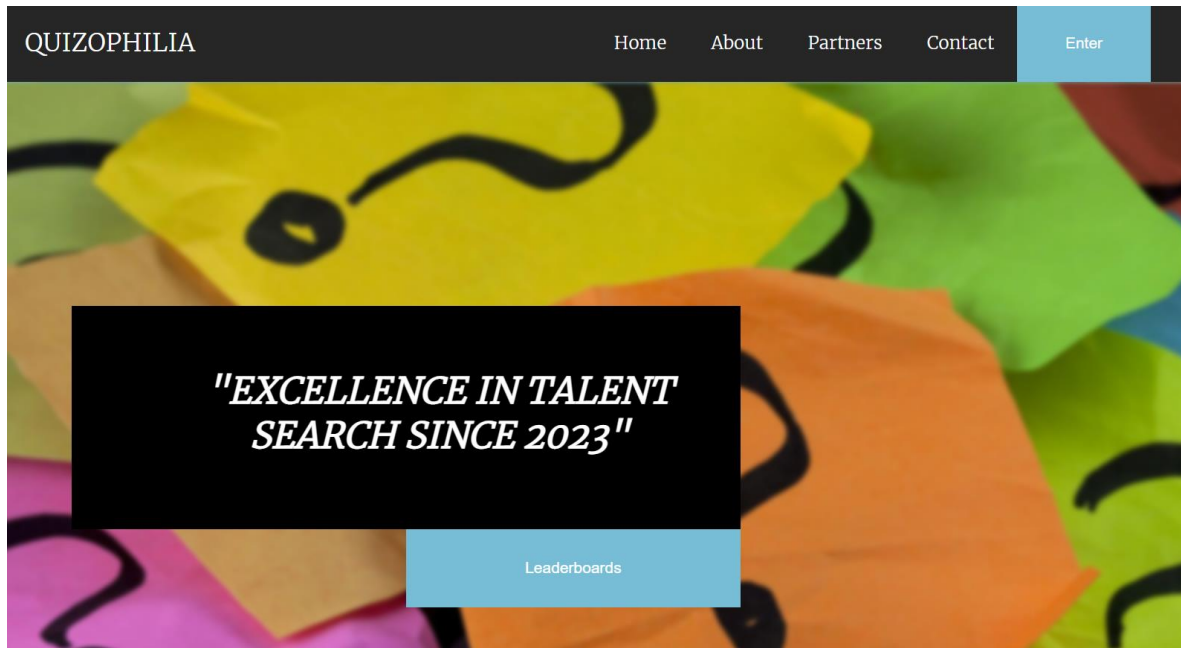
- Programming Language: HTML, CSS, JavaScript
- Development Framework: Angular
- Database Management System: MongoDB
- Web Server: Node and Express
- Tools: Insomnia

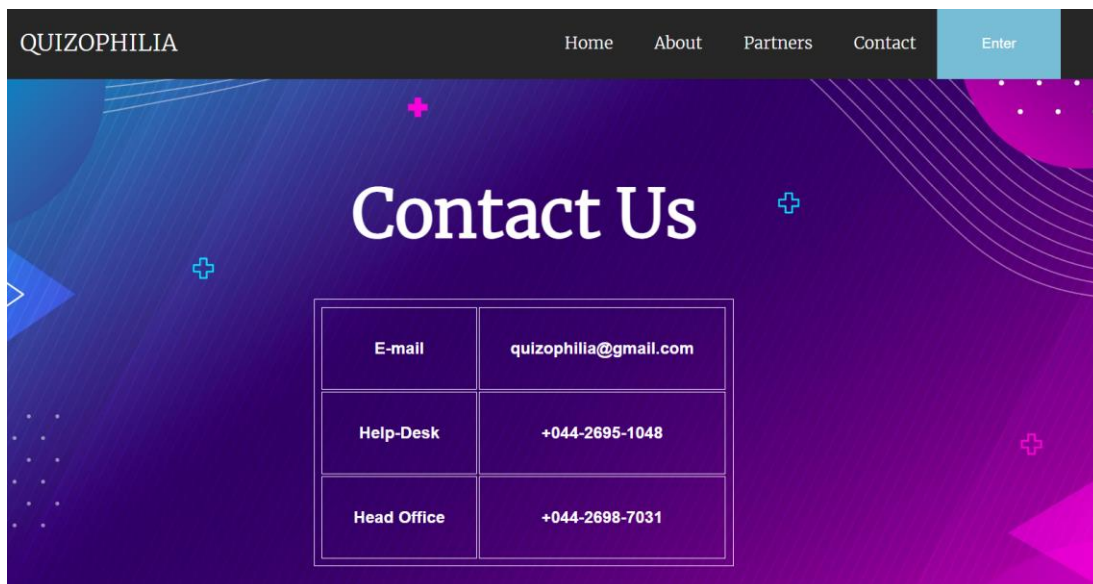
## **Features:**

- The home page contains contact details, provision for tutorial videos on how to use the application and a text-box to add queries.
- Provisions to login or register into the application. User authentication is currently under development
- Provision to choose between quizzes on various topics.
- The quiz is static with fixed number of questions which should be answered before submission of the quiz.
- Upon submission, the result percentage scored along with the right and wrong question for each question is displayed.

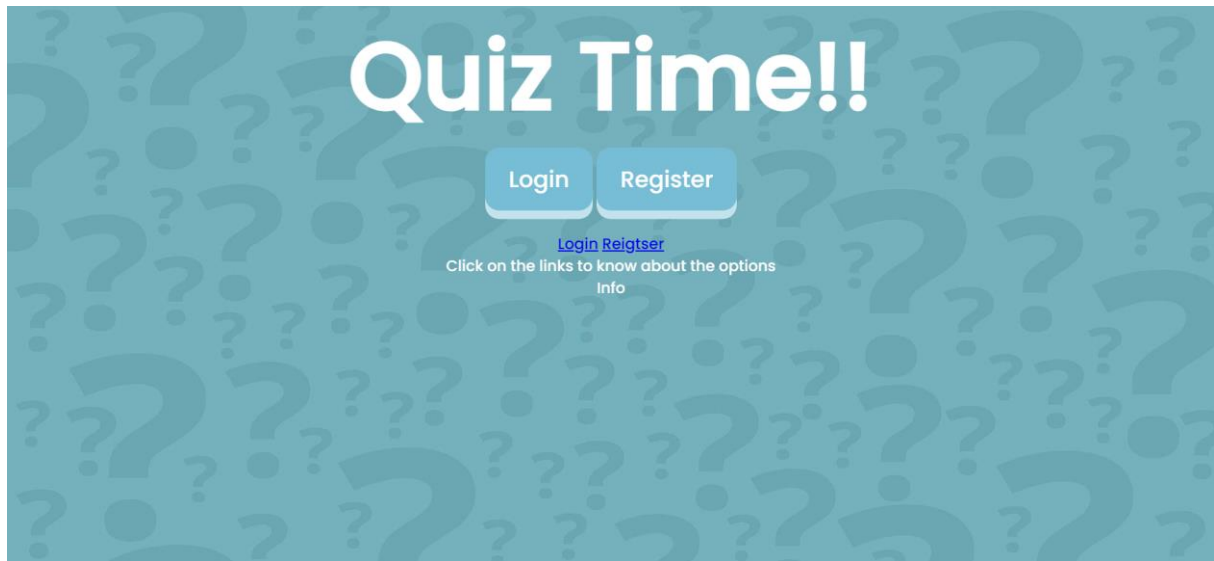
## Sample screenshots:

### Home page:

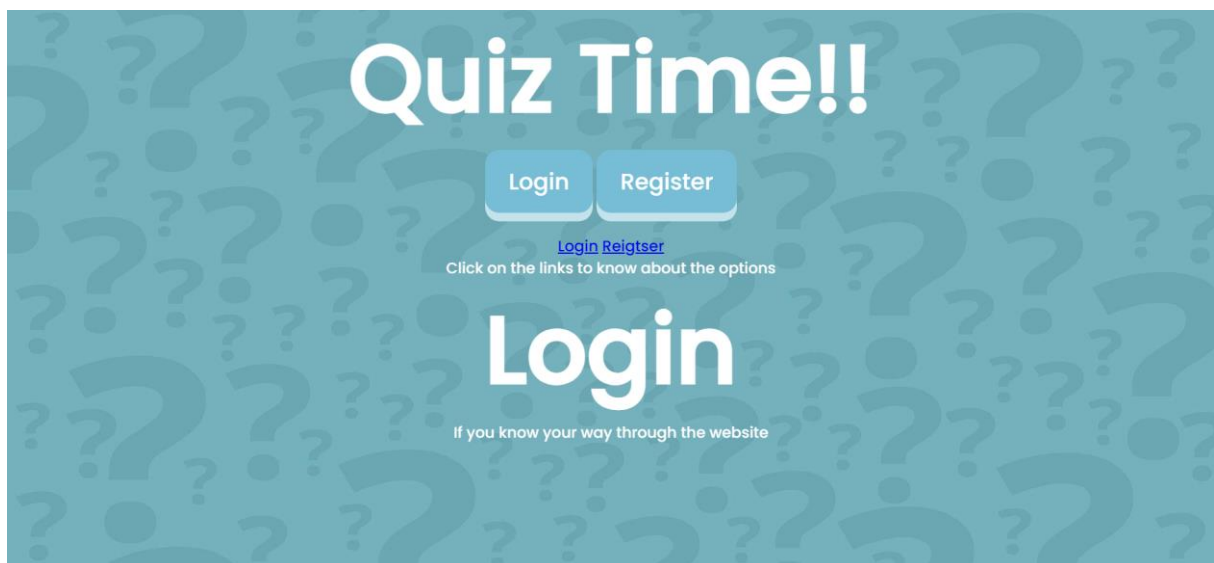




## Main Page:



## Navigation menu with page intel:



# Quiz Time!!

Login

Register

[Login Reigtser](#)

Click on the links to know about the options

## Register

If you are new to the website

**Login:**

### Login

Email

quizchamp@student.com

Password

Password

Log in

Don't have an account? [Register](#)

## Register:

The registration form is titled "Register" and is set against a blue background with a pattern of white question marks. It contains the following fields and a button:

- Username:** A text input field with the placeholder text "Username".
- Email:** A text input field with the placeholder text "quizchamp@student.com".
- Password:** A text input field with the placeholder text "Password".
- Confirm password:** A text input field with the placeholder text "Retype password".
- Sign up:** A blue button with white text.

## Form validation:

Two side-by-side registration forms are shown, both titled "Register".

**Left Form (Initial State):**

- Username:** The input field contains "Username". Below it, the error message "Username cannot be blank" is displayed in red.
- Email:** The input field contains "quizchamp@student.com". Below it, the error message "Email cannot be blank" is displayed in red.
- Password:** The input field contains "Password". Below it, the error message "Password cannot be blank" is displayed in red.
- Confirm password:** The input field contains "Retype password". Below it, the error message "Confirm password cannot be blank" is displayed in red.
- Sign up:** A blue button with white text.

**Right Form (Validation State):**

- Username:** The input field contains "Username". Below it, the error message "Username cannot be blank" is displayed in red.
- Email:** The input field contains "quizchamp@student.com". Below it, the error message "Email cannot be blank" is displayed in red.
- Password:** The input field contains "...". The field has a green border, indicating it is valid.
- Confirm password:** The input field contains "...". Below it, the error message "Passwords does not match" is displayed in red.
- Sign up:** A blue button with white text.

## Login

Email

abcd@a

Not a valid email

Password

....

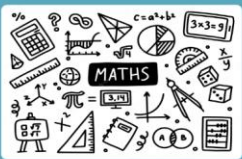
Log in

Don't have an account? [Register](#)

Quiz home page:

# Quiz Time!!


[Log Out](#)



## Mathematics

Questions: 5  
Negative marking: None


[Start Quiz](#)



## Science

Questions: 5  
Negative marking: None


[Start Quiz](#)



## English

Questions: 5  
Negative marking: None

[Start Quiz](#)

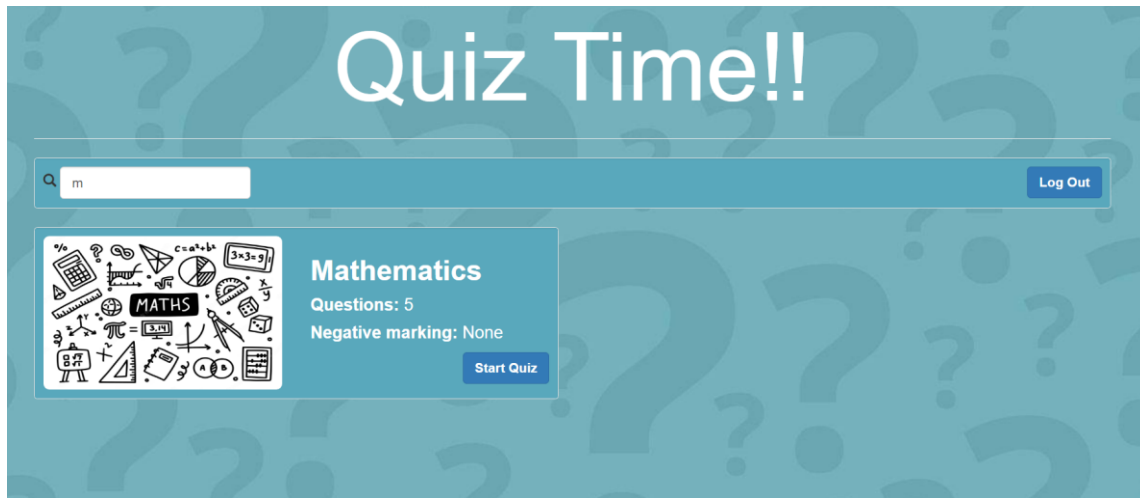


## Social Science

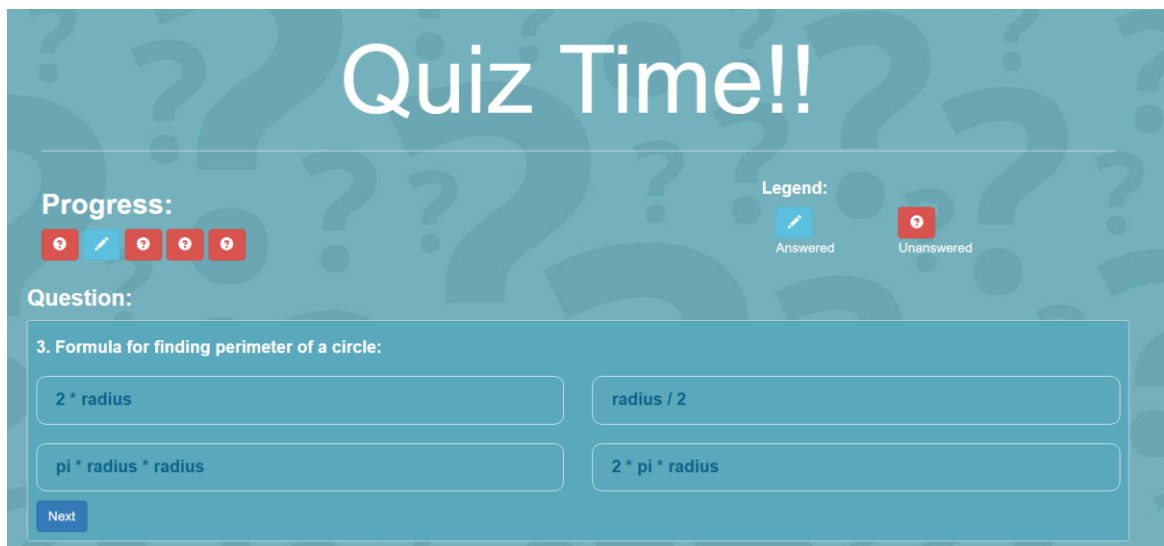
Questions: 5  
Negative marking: None

[Start Quiz](#)

### Demonstration of quiz search:



### Quiz template:





Different colour to highlight chosen answer:

# Quiz Time!!

**Progress:**

Answered Unanswered Unanswered Unanswered Unanswered

**Legend:**

Answered Unanswered

**Question:**

1. What is the value of pi?

10 3.14 3.19 1

Next

Alert message to answer all questions before submitting:

# Quiz Time!!

**Progress:**

Answered Unanswered Answered Unanswered Answered

**Legend:**

Answered Unanswered

Error! You have not answered all of the questions!

**Question:**

2. Who found 0?

Albert Einstein Isaac Newton Aryabhata Ramanujam

Next

### Confirmation before submission:

# Quiz Time!!

Progress:

Legend:

Answered

Unanswered

Question:

Are you sure you want to submit your answers?

Yes

No

### Performance analysis:

Results:

Correct Answers: 0 / 5

You Scored 0.00%

Legend:

Correct

Incorrect

Questions:

1. What is the value of pi?

10

Your Answer

3.14

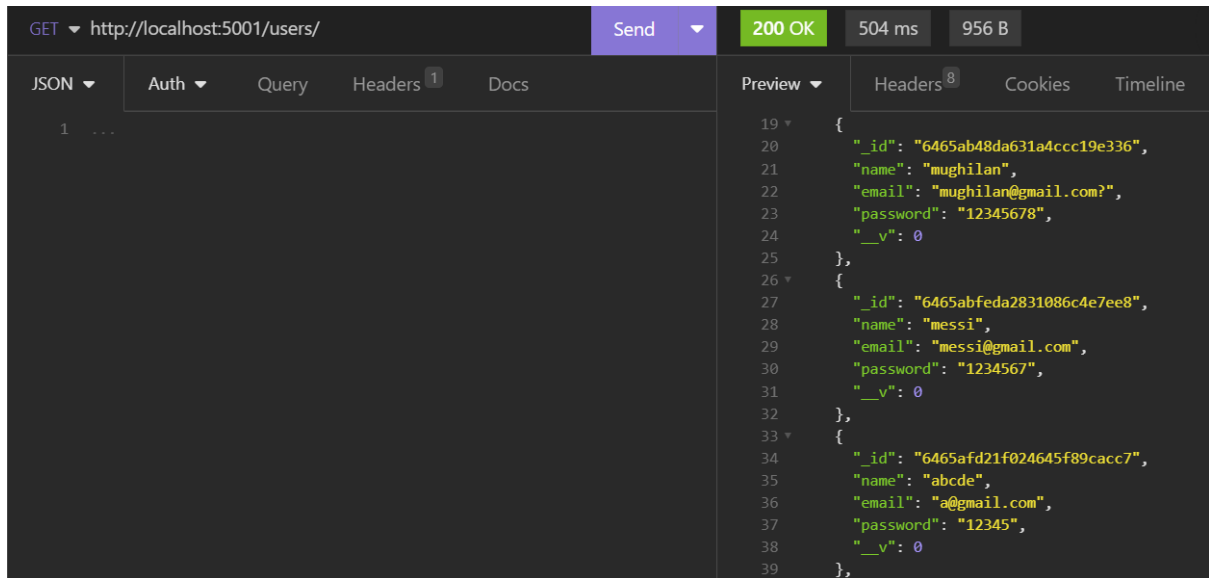
Correct Answer

3.19

1

Back To Quiz Page

## Use of insomnia tool to fetch registered user data from the server:



## User data in server:

```
{ "_id": "6465ab48da631a4ccc19e336", "name": "mughilan", "email": "mughilan@gmail.com?", "password": "12345678", "__v": 0 },  
{ "_id": "6465abfed2831086c4e7ee8", "name": "messi", "email": "messi@gmail.com", "password": "1234567", "__v": 0 },  
{ "_id": "6465afd21f024645f89cacc7", "name": "abcde", "email": "a@gmail.com", "password": "12345", "__v": 0 },  
{ "_id": "6465b2571f024645f89cacc7", "name": "abcde", "email": "a@gmail.com", "password": "12345", "__v": 0 },  
{ "_id": "6465b4d1735c035a64186cd7", "name": "arun", "email": "arun@gmail.com", "password": "123457", "__v": 0 },  
{ "_id": "6465e62ecccc8d0880266405", "name": "mughilank", "email": "mughilankathieer@gmail.com", "password": "1234567", "__v": 0 } ] }
```

## User data stored in MongoDB Atlas:



**Conclusion:**

The Quiz Application's basic functionalities were implemented successfully to provide the user with an immersive quiz taking experience and the user authentication process initiation upon login attempt is under active development.