

Quiz Web Application



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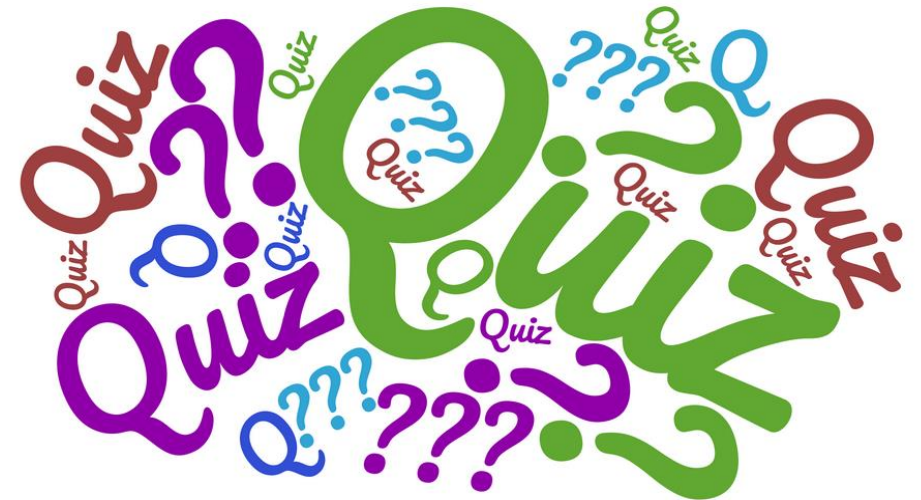
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Introduction

- ✓ Quiz Application is a collection of number of different types of questions related to computer science quizzes . A user can access/play the quiz and can attempt the questions. There will be limited number of questions and for each answer user will get a credit score.
- ✓ This website is implemented using HTML, CSS, Javascript and Trivia Database API which provides random trivia from database containing hundreds of thousands questions and answers of topics related to computer science .



Problem Statement

- ✓ Our aim is to develop a application for the users in which a user can attempt any number of quiz.
- ✓ Currently, there are websites which only provide limited number to quizzes related to computer science .
- ✓ Many websites do not have a single platform for quizzes related to computer science.
- ✓ We have to develop a application which can resolve all of the above problems.



Objectives of Quiz Web Application

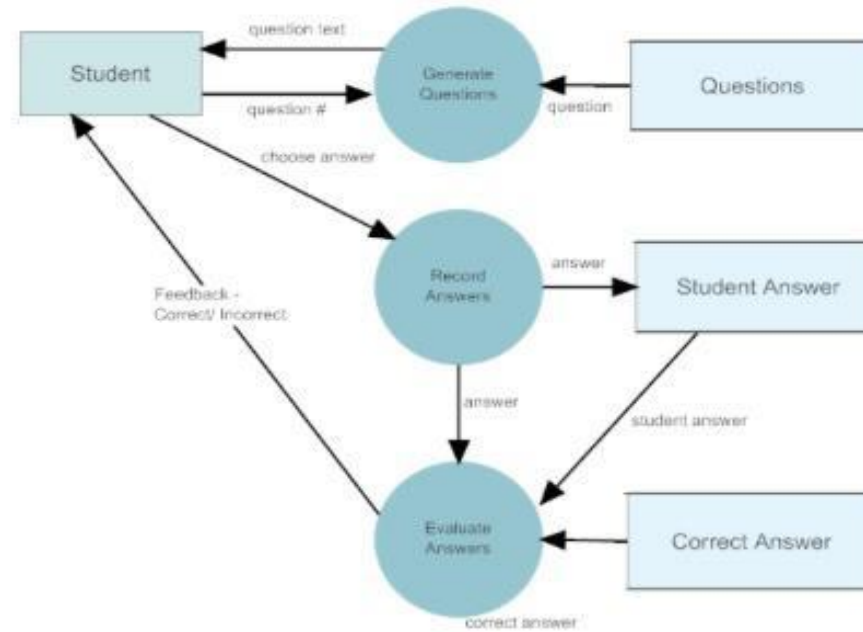
- ✓ This web application provides facility to play online quiz and practice computer science.
- ✓ It provides a good platform, where a student not judges there knowledge but also they can improve skill at the same time.
- ✓ The scope is this project is very broad in terms of gaining knowledge.
- ✓ It helps the users for the preparation of necessary educational purposes regarding computer science.

Functionalities of Quiz Web Application

The main requirement of application is to find questions which are fetch from Trivia DB API. In this application the user can directly start the quiz. After attempting the quiz once the user cannot go back to the previous questions. And after the completion of the quiz user will get credit score for each of its correct answers. All the scores of the user is save in local storage. After finishing the quiz the user can contact us from contact page by sending mail or by connecting to our social media accounts.

- ✓ Dynamically generate HTML in Javascript .
- ✓ Fetch trivia questions from Open Trivia DB API.
- ✓ The test results will be provided as soon as the user complete the test.
- ✓ Save high scores in local storage.
- ✓ The order of question changes for different users.

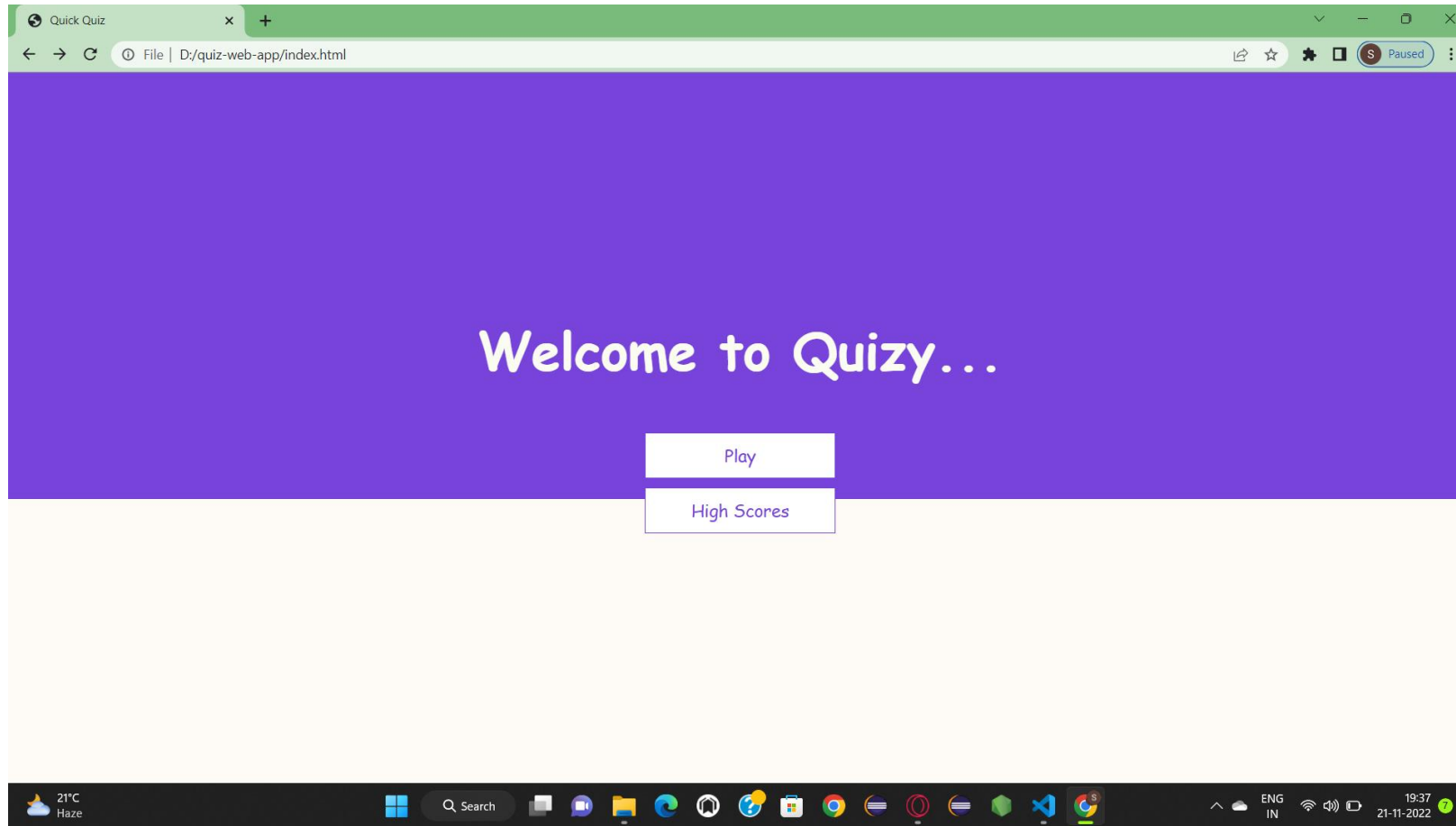
Data Flow Diagram



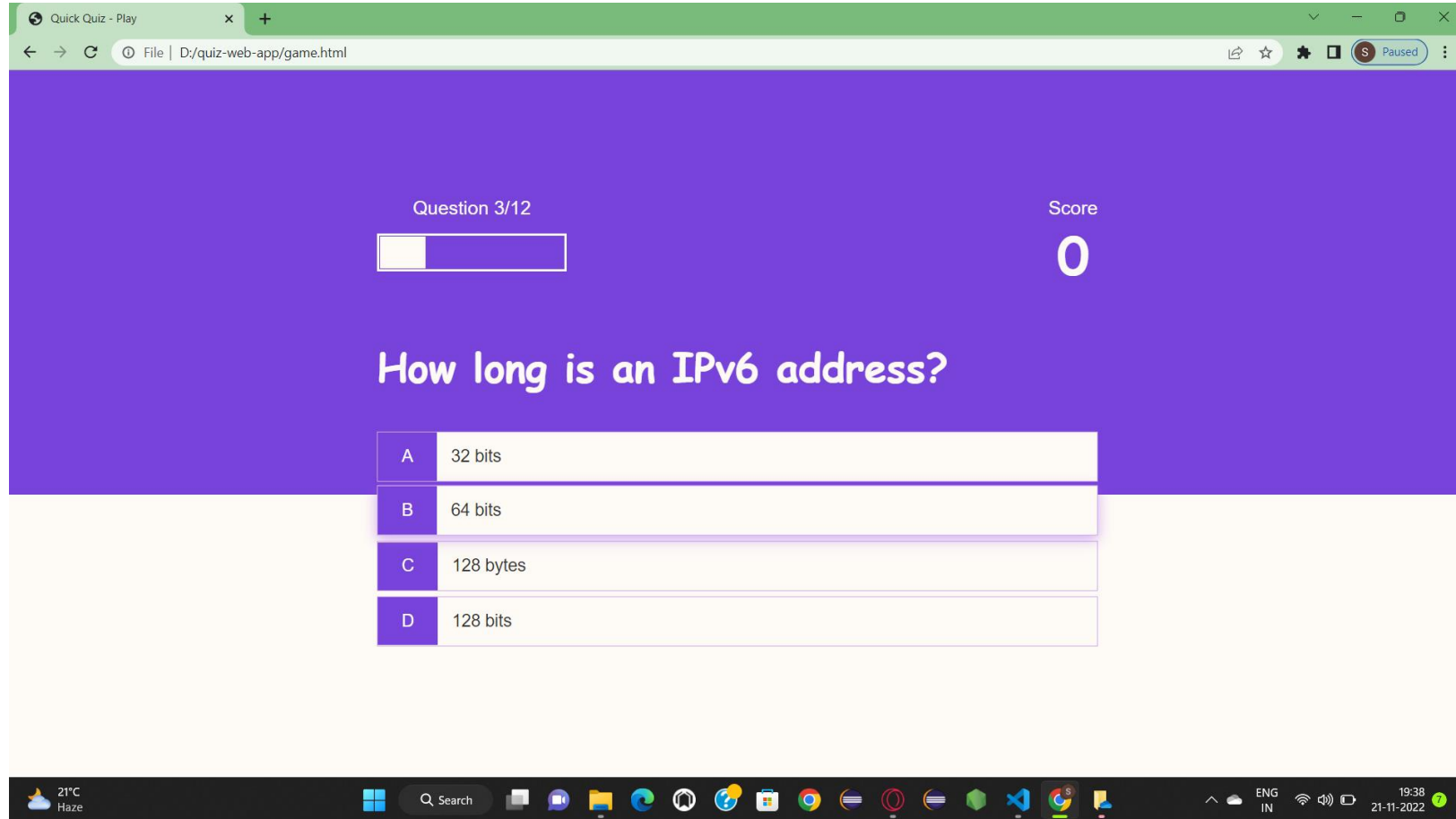
Implementation Details

- ✓ **Visual Studio Code** - As an integrated development environment(IDE).
- ✓ **HTML, CSS and Javascript** - For front end development.
- ✓ **Trivia Database API** – To fetch questions from Open Trivia Database.
- ✓ **Chrome browser** – For storing the result in the local storage of browser.

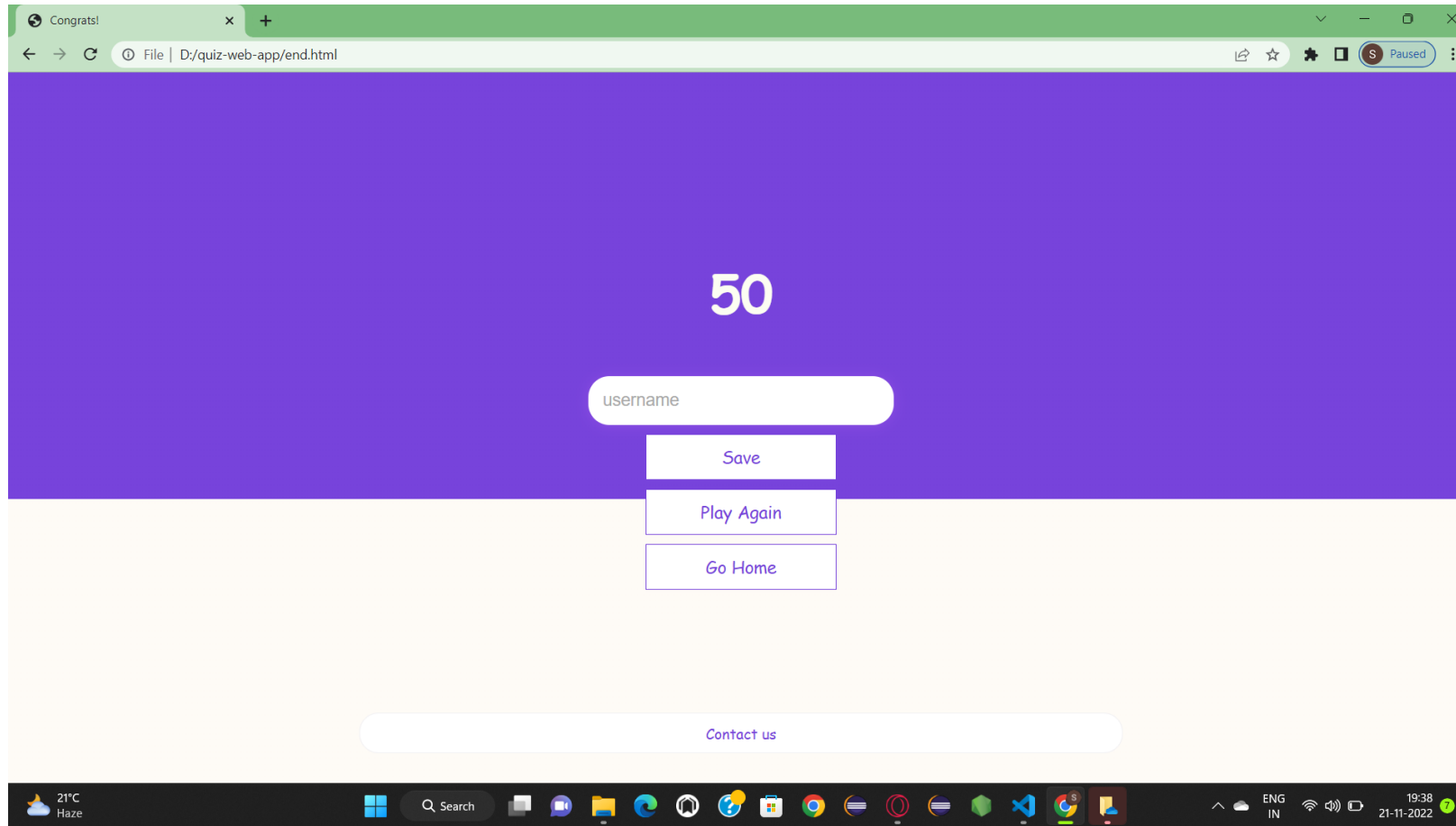
Screenshots:Start Panel



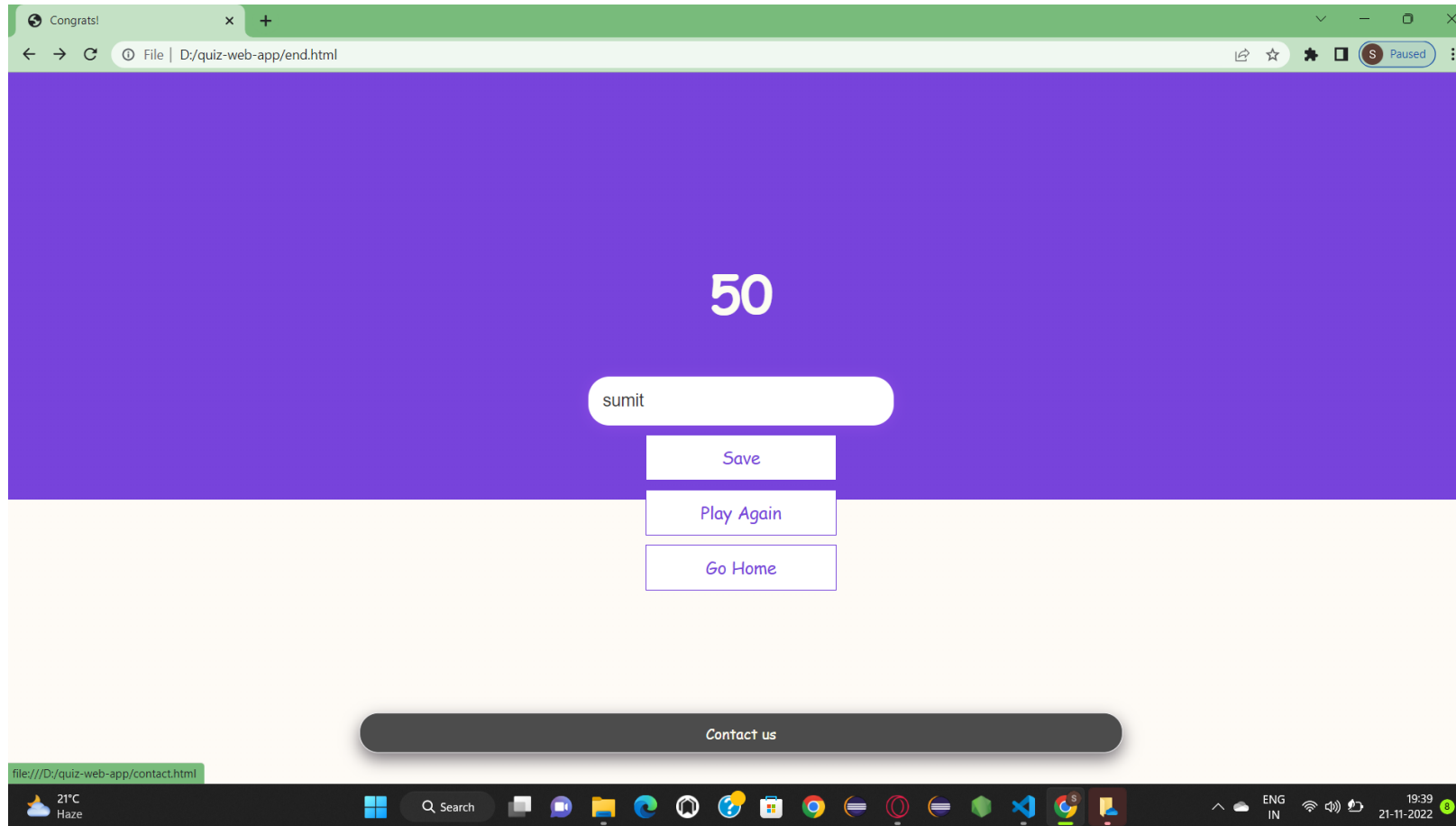
Screenshots: Question page



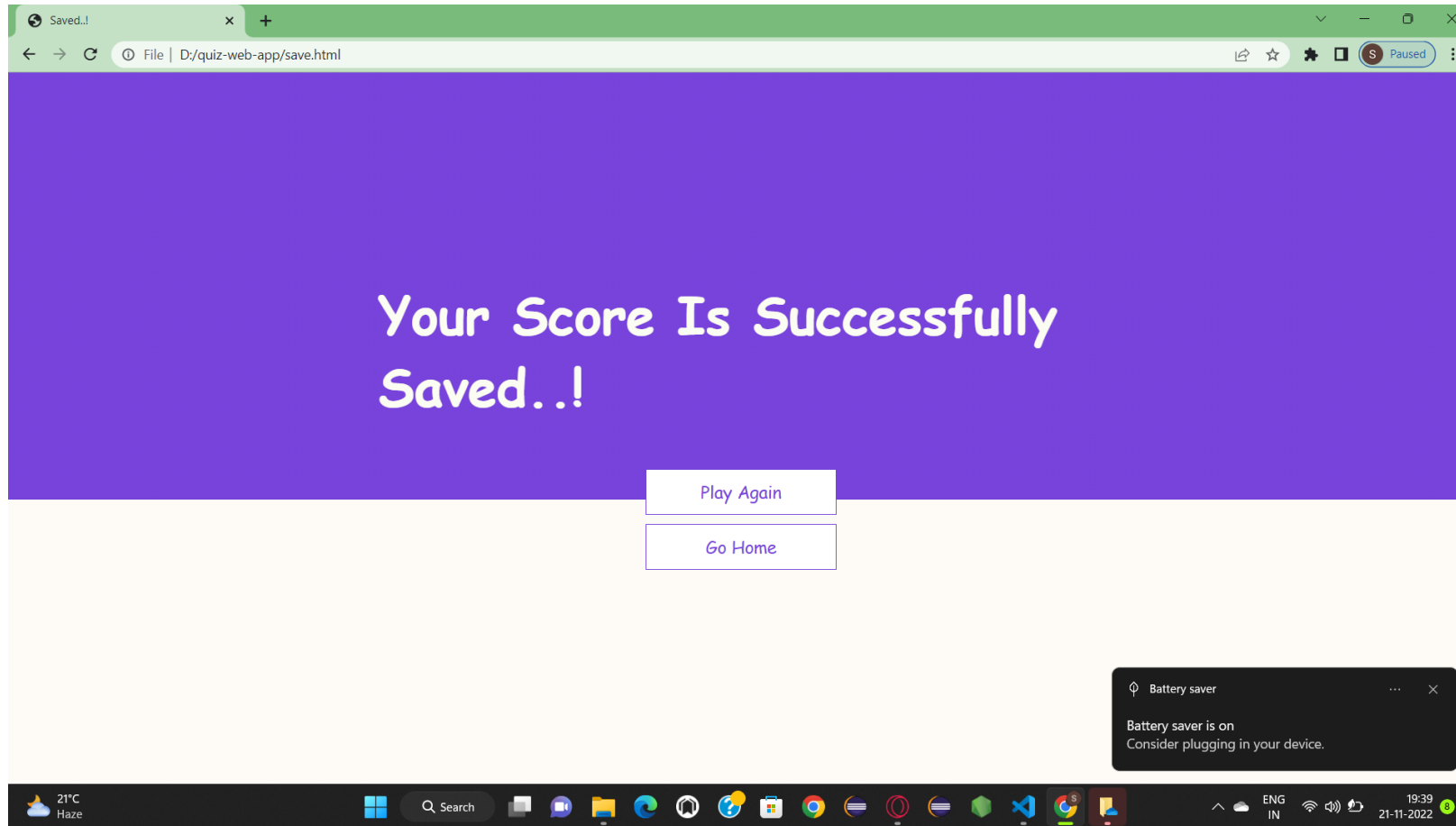
Screenshots:Result Page



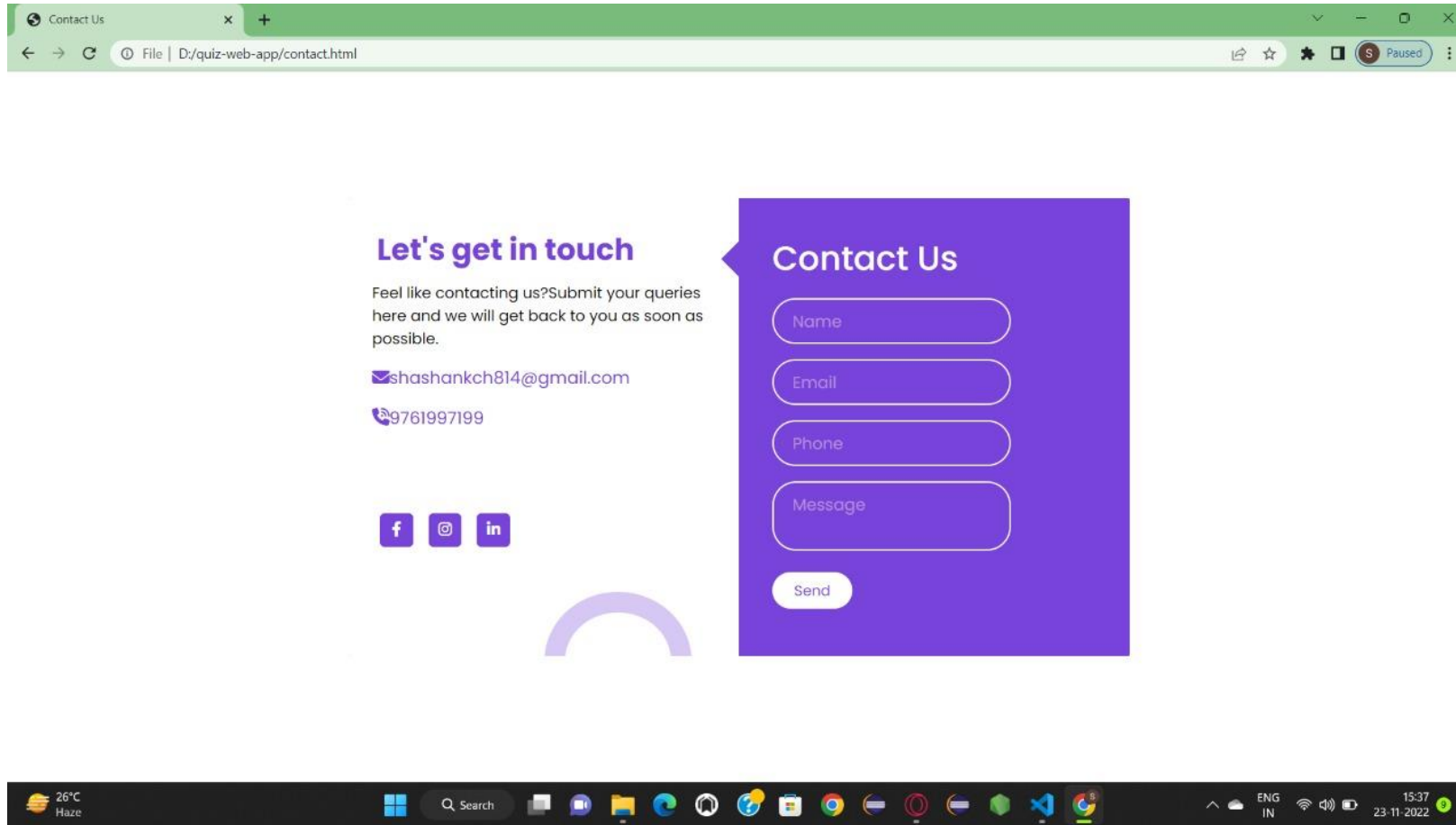
Screenshots:Score Page



Screenshots:End Page



Screenshots:Contact Page



Conclusion

- ✓ This online quiz application provides facility to play quiz anywhere and anytime.
- ✓ It save time since user does not need to wait for result.
- ✓ The marks of the user will be calculated according to the questions they attempt and will be displayed by the system.
- ✓ All student/user get extra knowledge and skills.

*Thank
You*