Dictionary Traversal

A new way to learn

Functionalities of Dictionary Traversal:

▶ Using any page's link or any article, the website will automatically detect all the words given by you those are usually difficult to know and the website will highlight those words. It will easily give an idea of the unknown words.

▶ You can see that while hovering those highlighted words , it will show the meaning of those words, with synonyms and antonyms and if possible it will use pictures for better understanding and also use the reference of different sites for better learning of those words.

▶ There is a leaderboard on the top where you can compare yourself with other users how much words they know and it will show top users who knows most words.

Let's get started with an overview of Dictionary Traversal website:

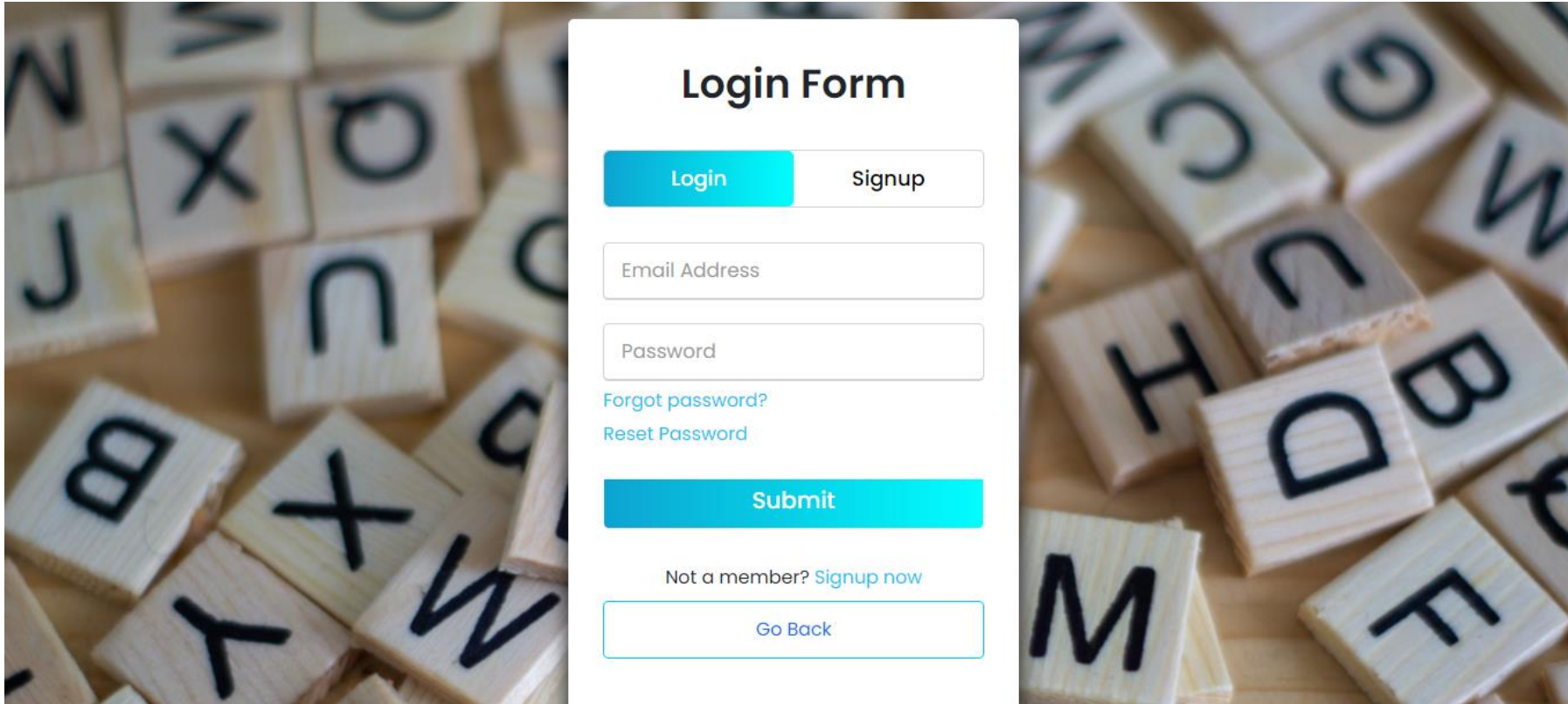Here are some screenshots with a short explanation of our website's implemented features:-
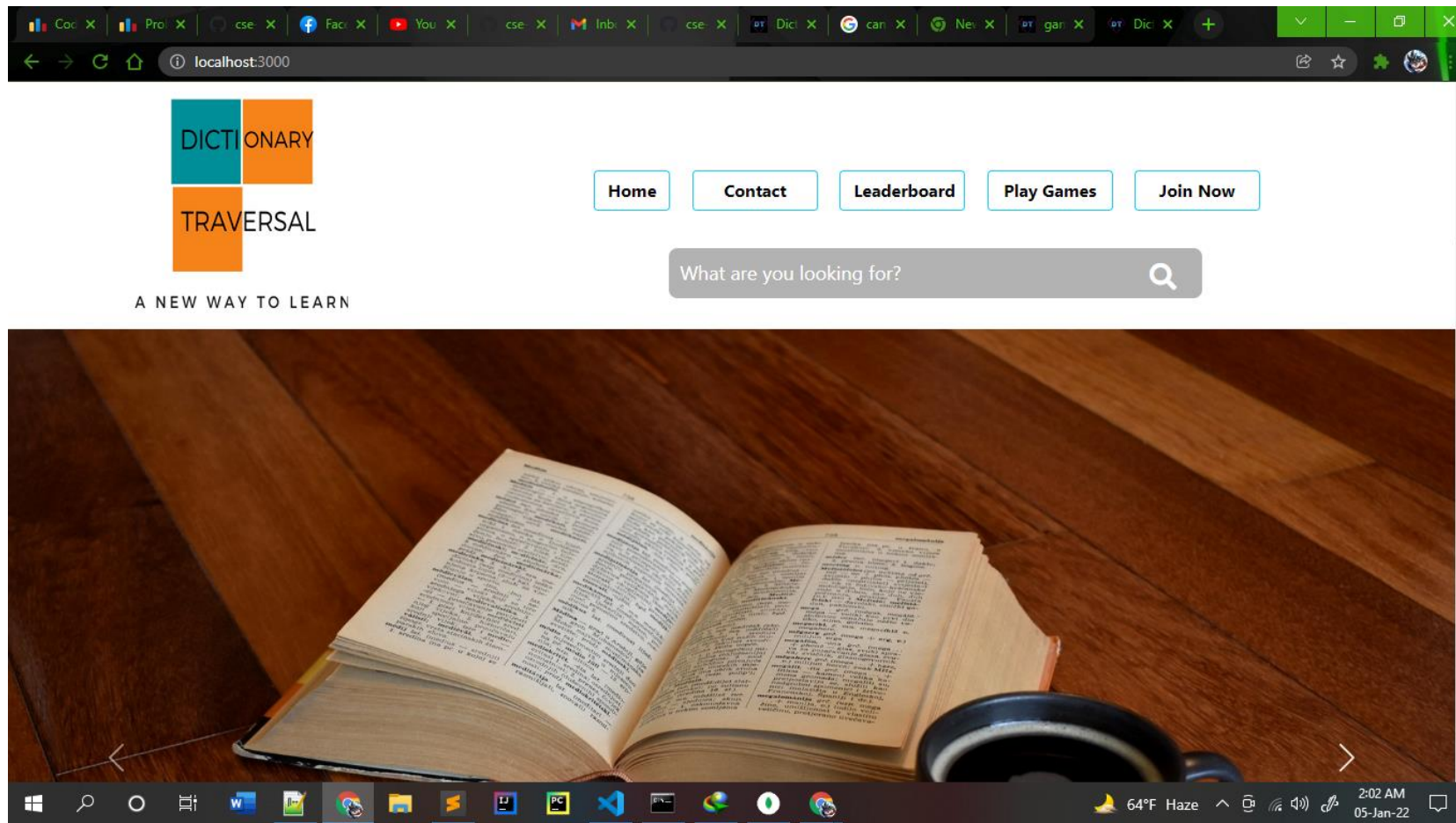
The landing page of our website:

Here you can see that , there is a logo of our website in the left and in the right there are navbar buttons(Contact, Join now, leaderboard , play games) showing different functionalities of our website . Below this , you will see some photo galleries.
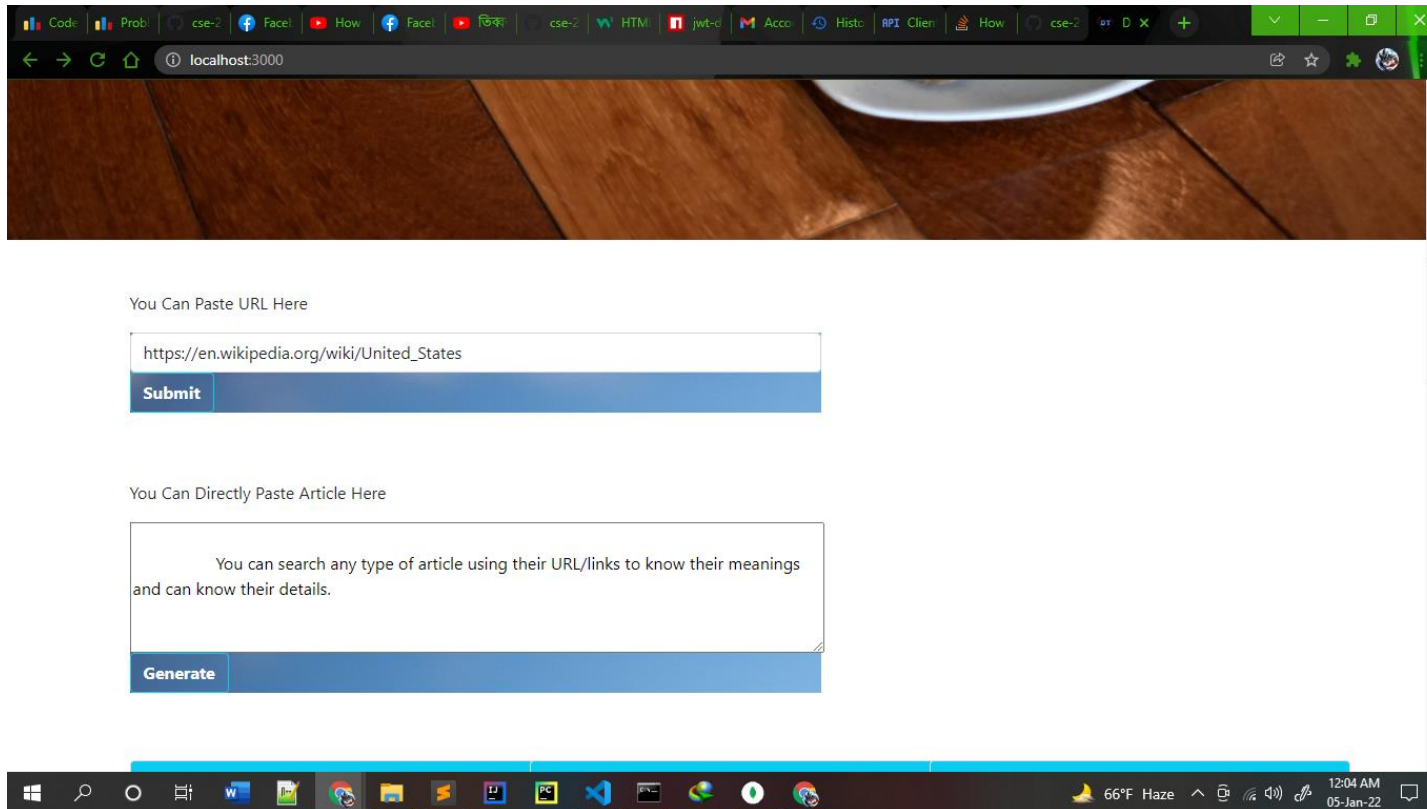
Key Feature of our website:

In this portion , you can see two search box in which you can paste both your desired articles and links of any articles or compositions. After pressing the Submit button for link & Generate button for article , you will get your desired result by using our website.

Join now Page:

In the main landing page of the website, you can find a button in the top right side named Join now. By clicking that button, you will find a login or signup form by which you can gain access to the full functionalities of the website.
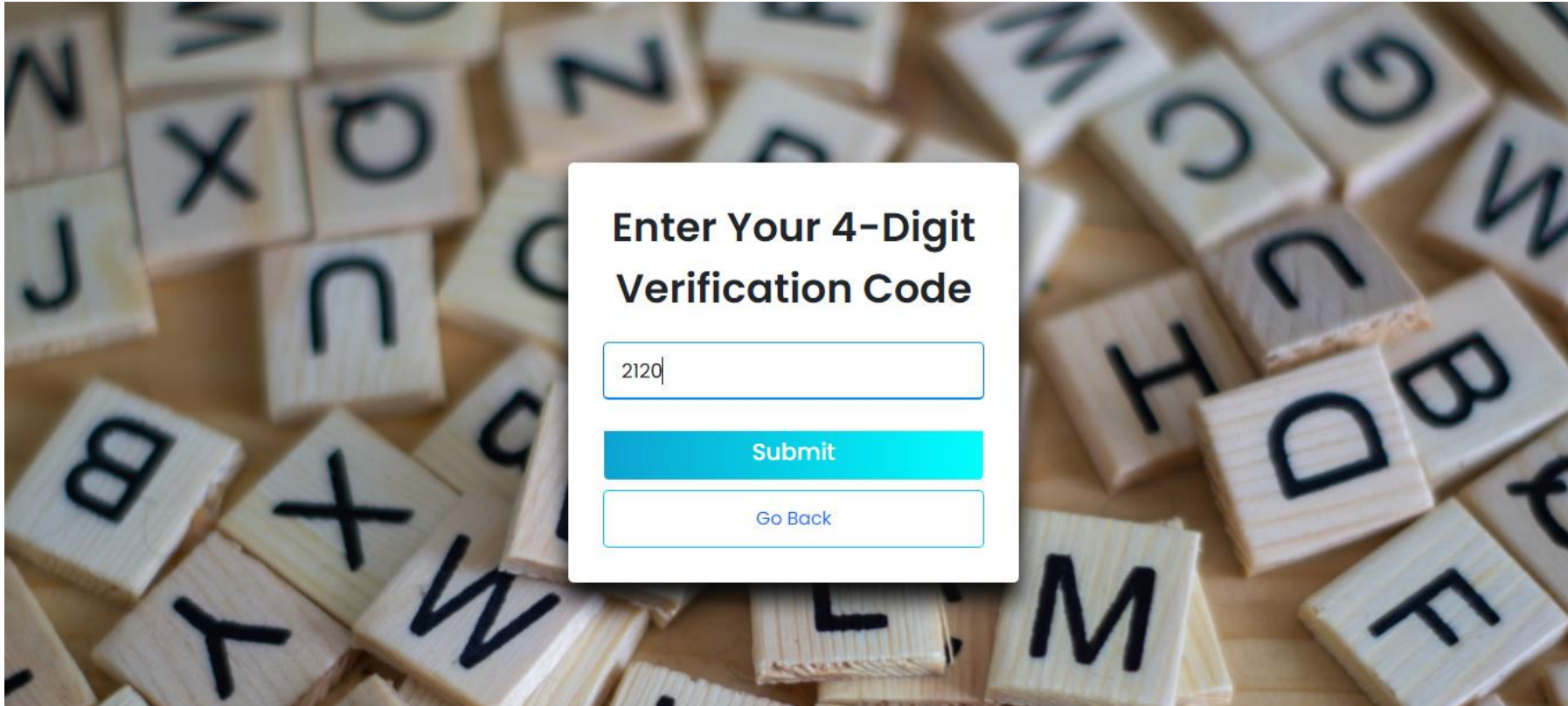
Email Authentication :

In case of a new user, he/she has to sign up for the website. When one wants to sign up , he/she should give his/her email id which is strictly maintained. Then the corresponding email user will get a 4 digit verification code in his/her mailbox. By submitting that 4 digit code in this page, the user is done with signup.
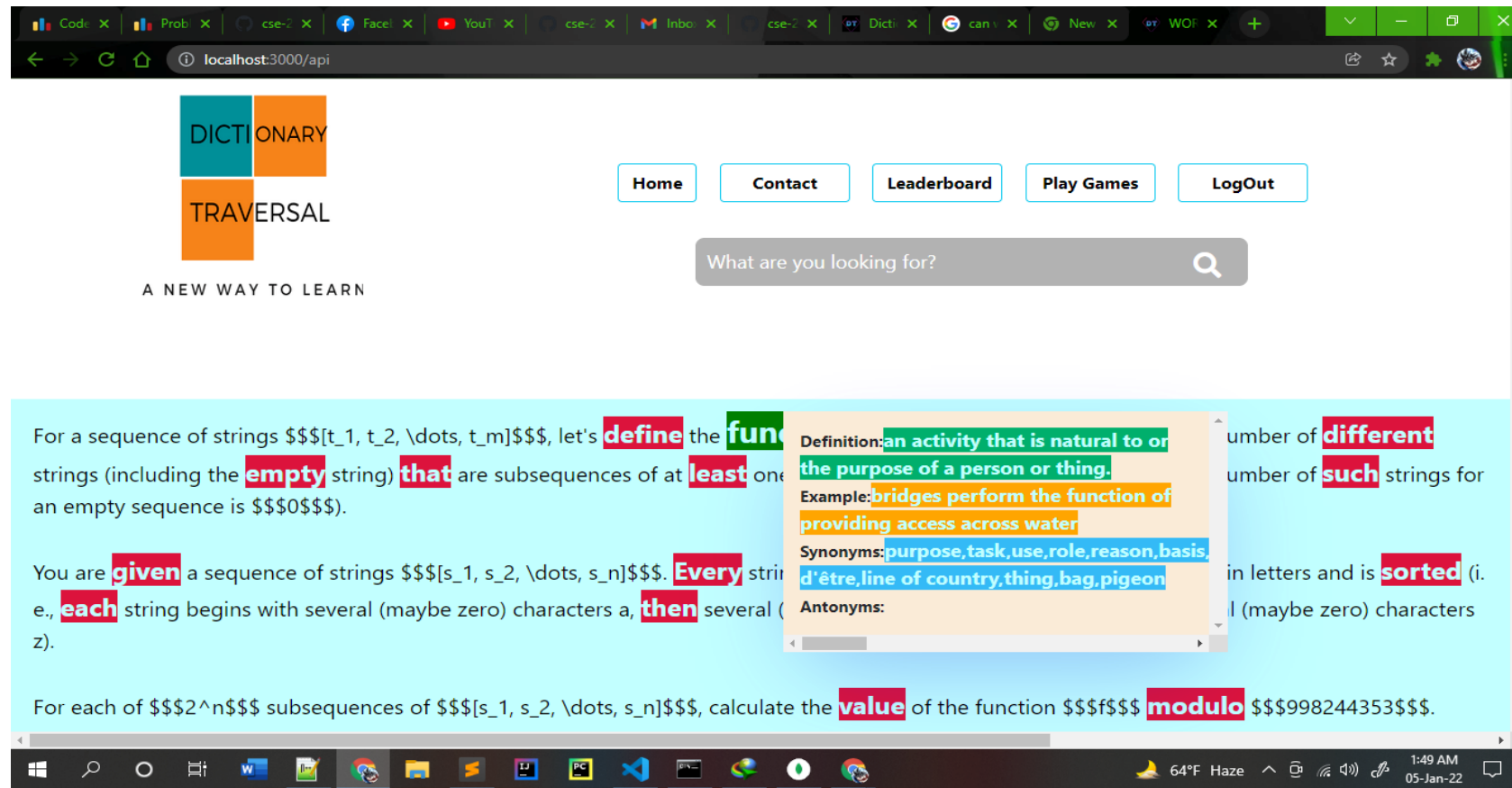
Word meanings, Synonyms, Antonyms :-

When you paste any types of articles' link in the search bar shown before, then this page will show you the desired results. When you hover your cursor/pointer over the unknown/difficult words, it will automatically show their meaning, definition, synonyms, antonyms etc.
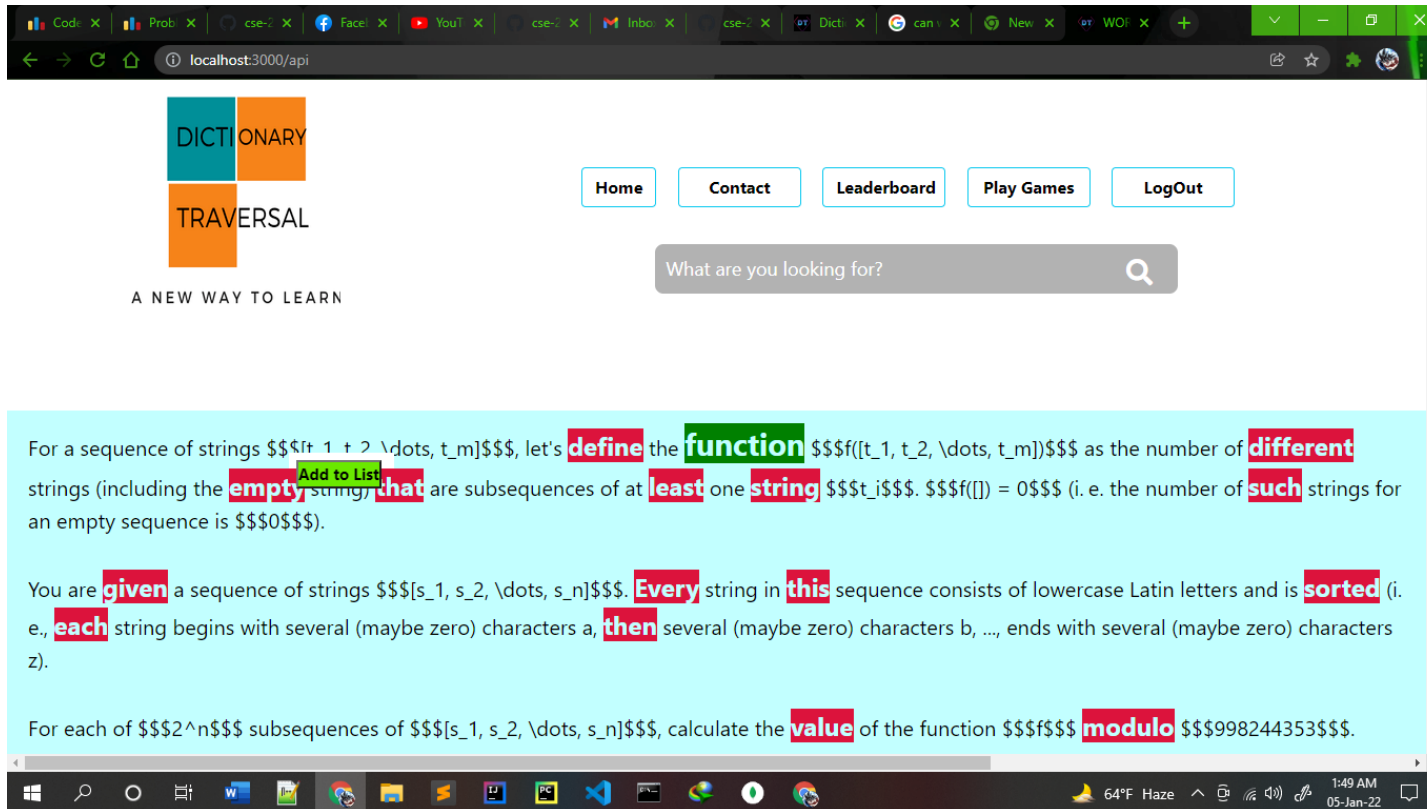
Add to List:

You can add the word on your own portion of the leaderboard by right clicking on the word and pressing "Add to list" button. Doing that will also let you know the exact pronunciation of the word.

Leaderboard page of the website:

In this page , you can find the names , rank , and the words known by the user in a leaderboard. The leaderboard is dynamic. As much as words the user know, his/her rank in the leaderboard will go higher and higher.

Words known by an user:

In the previous slide , you can see a button name "My Words". After clicking this button, you will find a page in where the words that you have known through the website are displayed.
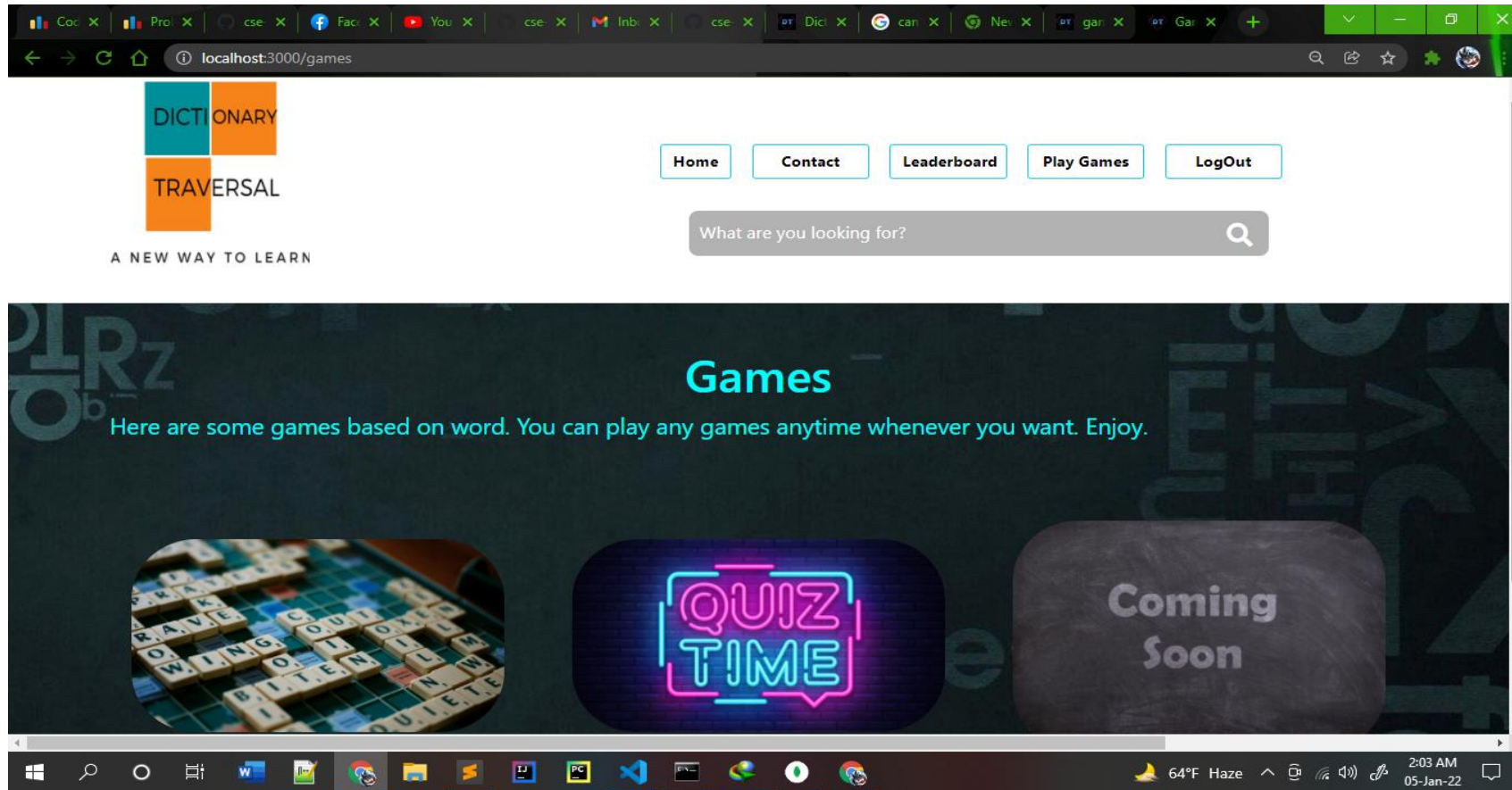
Play Games page of the website:

In this page, you will find some interesting games to play and expand the diameter of you knowledge. For the time being, we have made two interesting games(Word Puzzle, Quiz Time) for you and many more are coming soon.
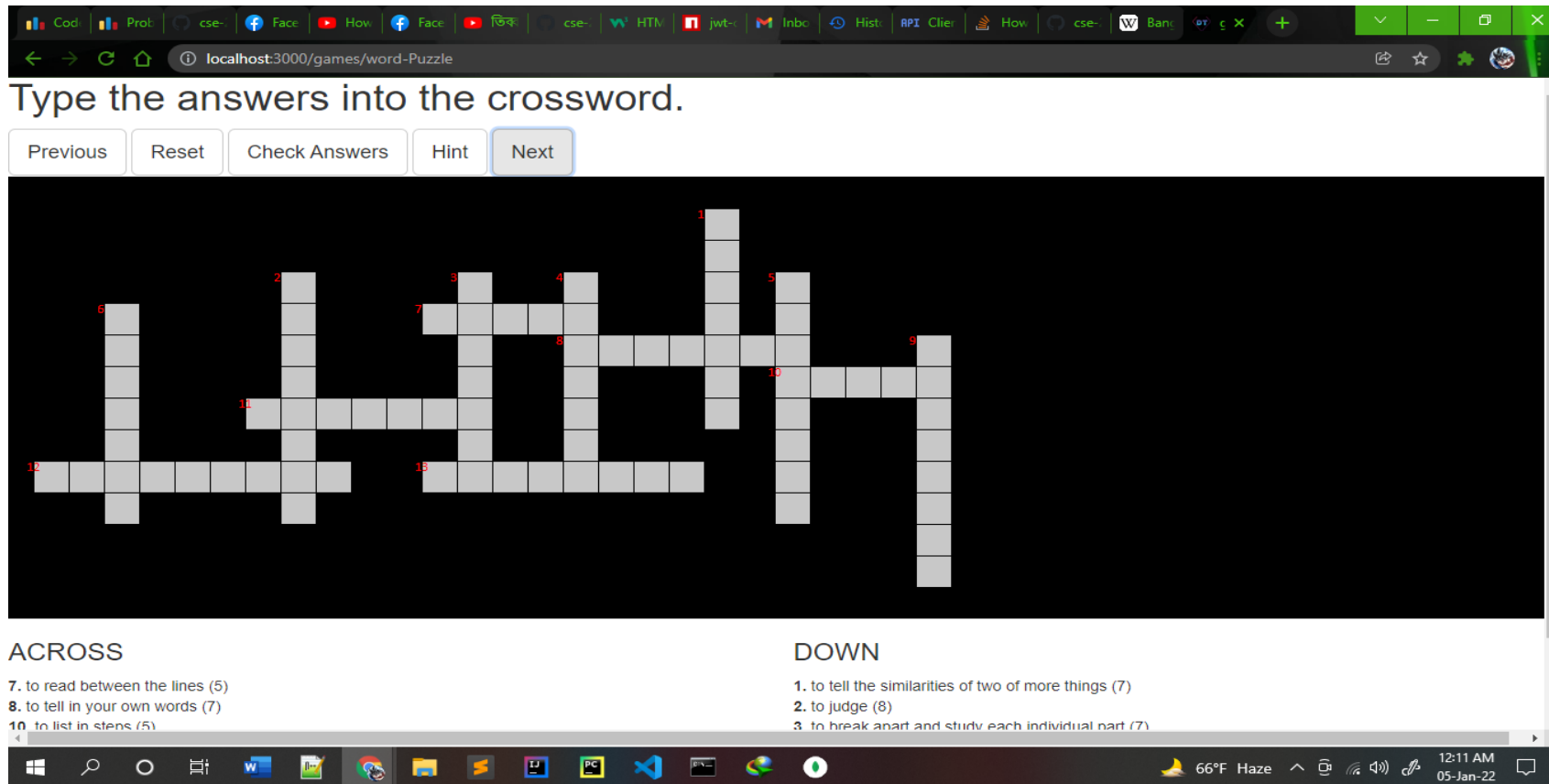
Word Puzzle Games Page:-

When you click on the "Word Puzzle" games in the above play games page, you will be redirected to this game play page. In this page, you can find a word puzzle game of various level of difficulties. You can also move to previous/next level of the game. You will find game hints at the bottom of the page and also in the top "hint" button.

Quiz Time page:

In the play games page, you can see a game named "Quiz Time". After clicking on that game logo, you will be redirected to this page indicating two types of interesting games named "Words" & "Idioms & Phrases". You can play these game by clicking on these game logos.
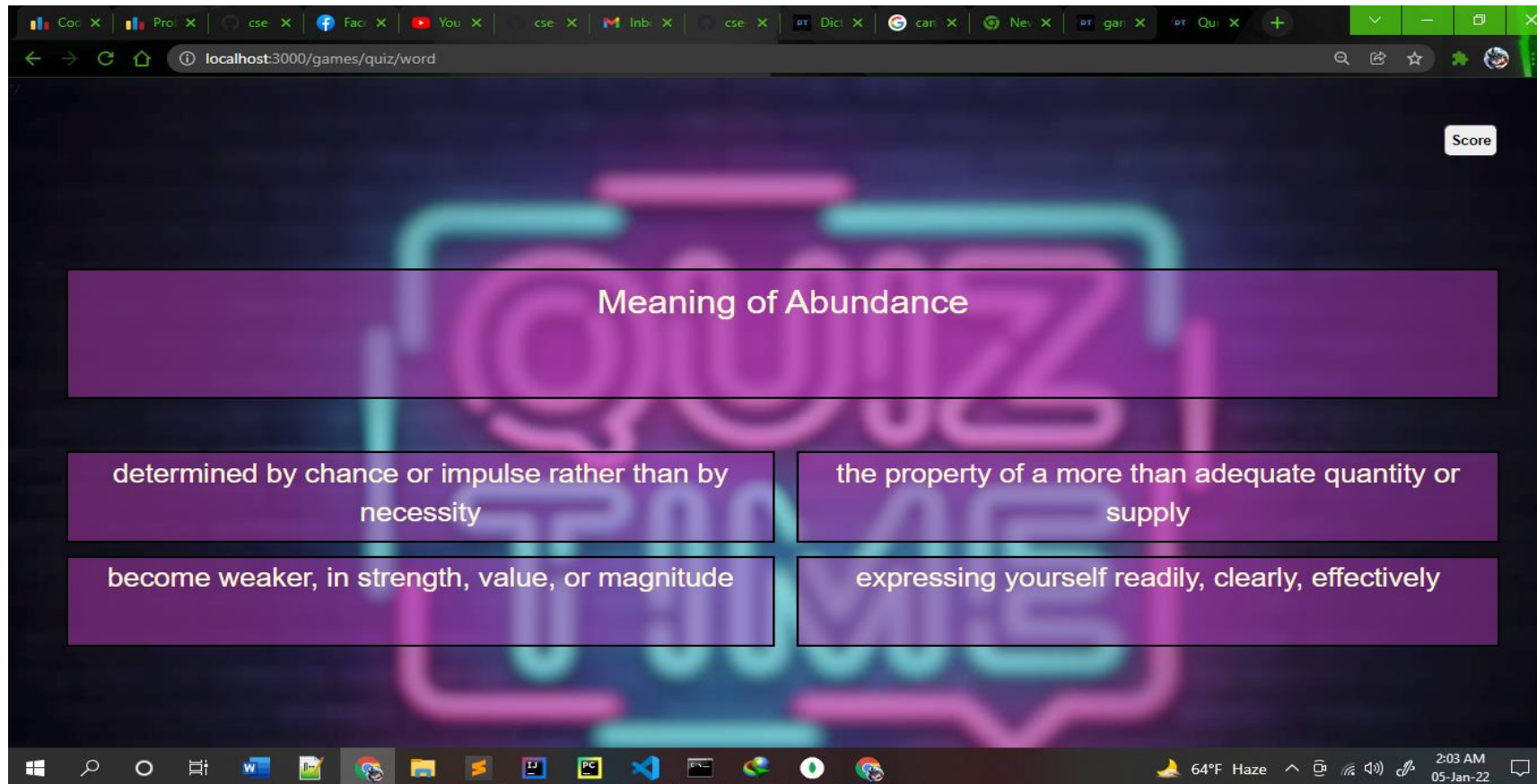
Words Game:

In the previous slide, you can see a logo named "Words". After clicking that logo, you can play word games which can expand your vocabularies and increase the diameter of your knowledge.

Meaning of Idioms --A blessing in disguise

a good thing that seemed bad at first | Things are going to get better

Just barely | Calm down
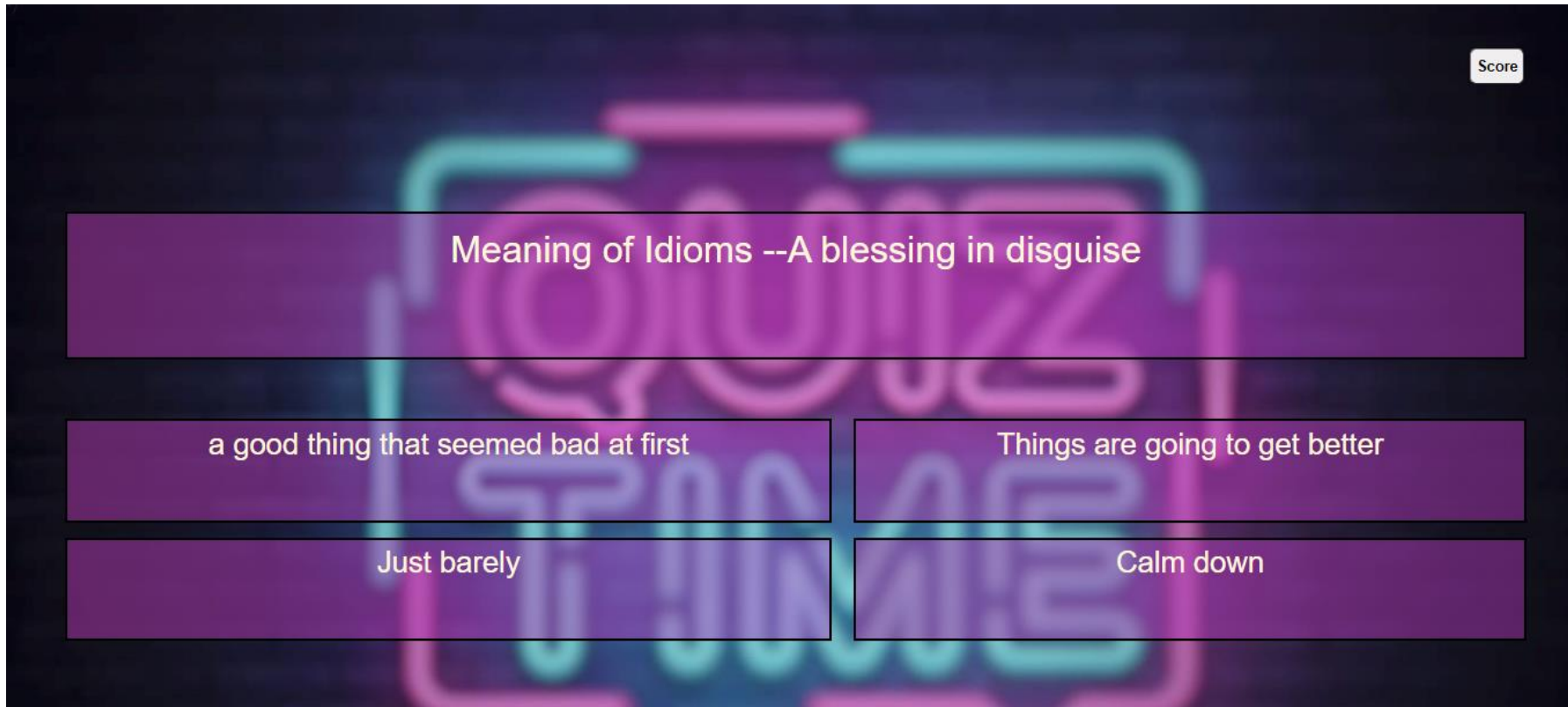
Score

Idioms Game:

We use phrases and idioms on daily basis. So, in here there is a quiz game consisting of different types of phrases and idioms related questions and users have to click on the correct option .
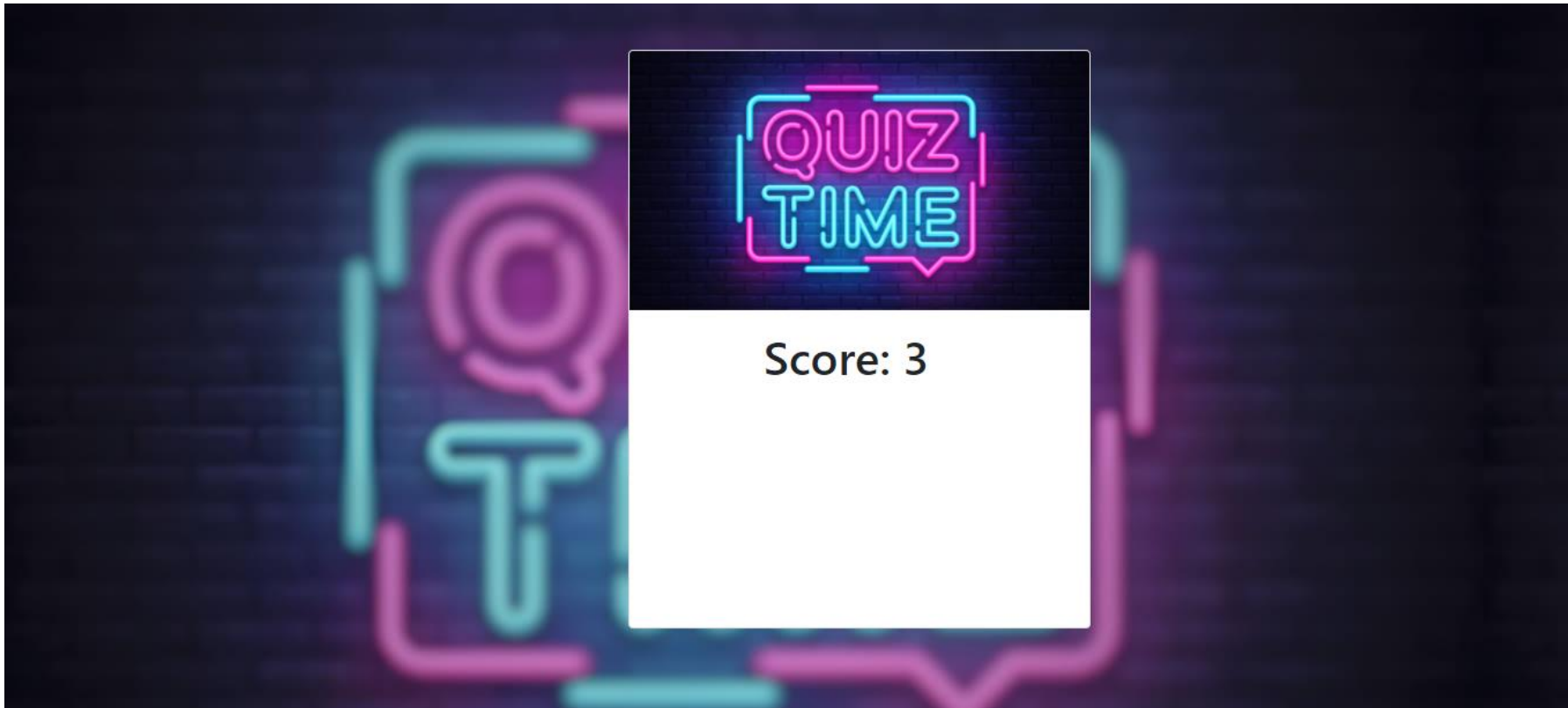
Score of Quiz Games:

As shown in the previous 2/3 slides, if users choose the correct answer to the corresponding questions, then the user will be rewarded with 1 points. Thus, as much correct answer the user gives, his/her score board will point down that score in this page.

Technologies used:

Front –End: For front end we have used Basic HTML, Advanced CSS, Bootstrap & JavaScript.

Back-End: For back end we have used Node.js, Express.js, Restful APIs and MongoDB for handling the Database.

Contributions:

- So, finally we came to the endpoint of our slide. Now, we are going to thank our following contributors for their specific contributions:

- Group:20=>Team **Storm£Breaker**

- Ashraful Islam Shanto(2018331056): Word meaning scraping, Add to List Feature, Play games feature and Database related Back-End works.

- Hrithik Majumdar Shibu(2018331052): The whole Front –End design and Graphics User Interface Structure related works.

- Group:48=>Team JOJO

- Fazla Rabby Rady(2018331124):UI/UX Designs and Structures.

- Md. Tangid Khan(2018331052): Design Corrections, Email Verification and Dynamic leaderboard related Back-End works.

And that is Dictionary Traversal

What we talked about was the functionalities of this website.

The first thing I want you to do when you leave here today is to get an overall idea of Dictionary Traversal Website.

Thank you.

Are there any questions?