# Dictionary Project Report

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# Dictionary Project Report

## Screenshots

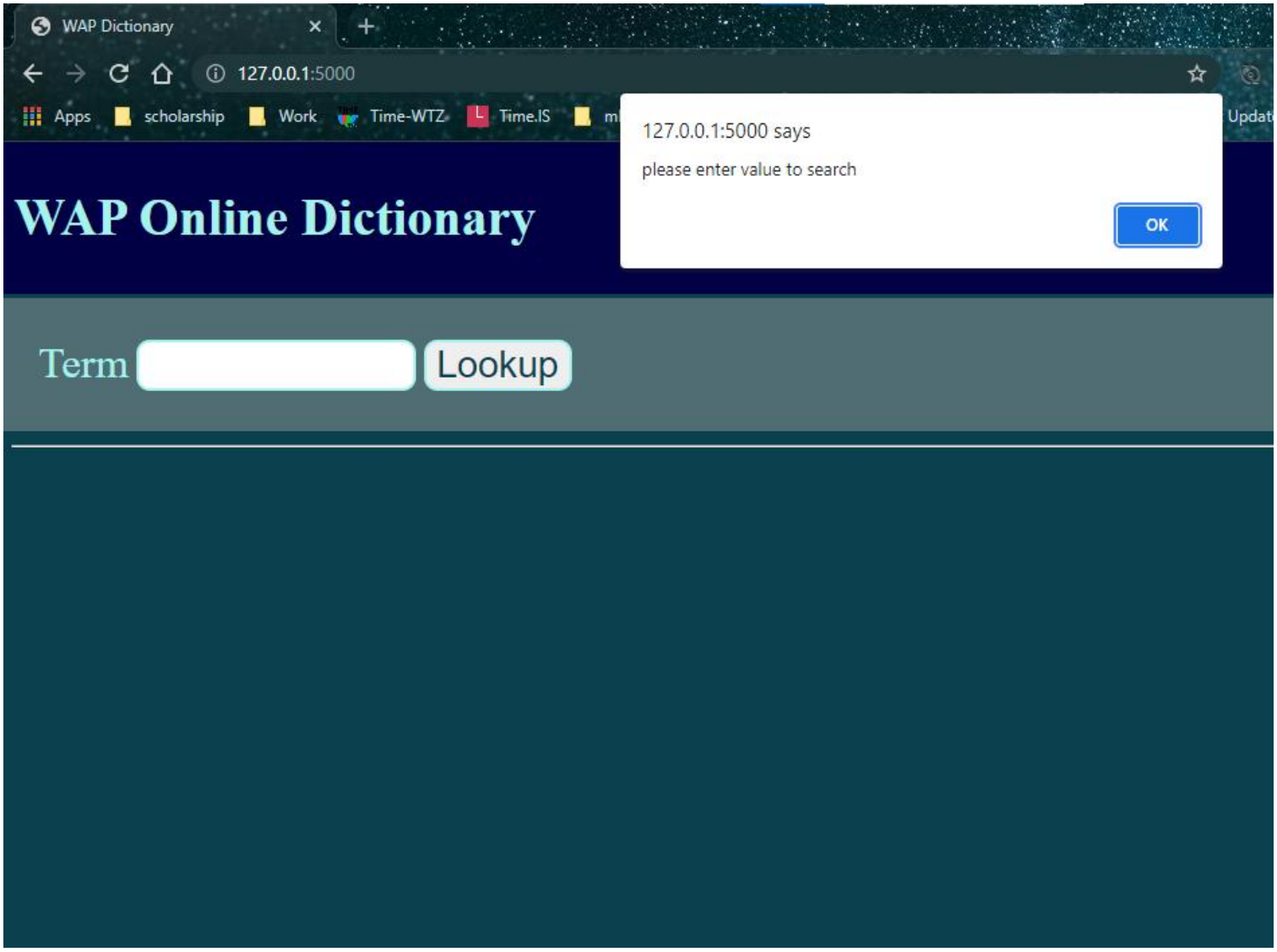


Figure 1: Empty input validation

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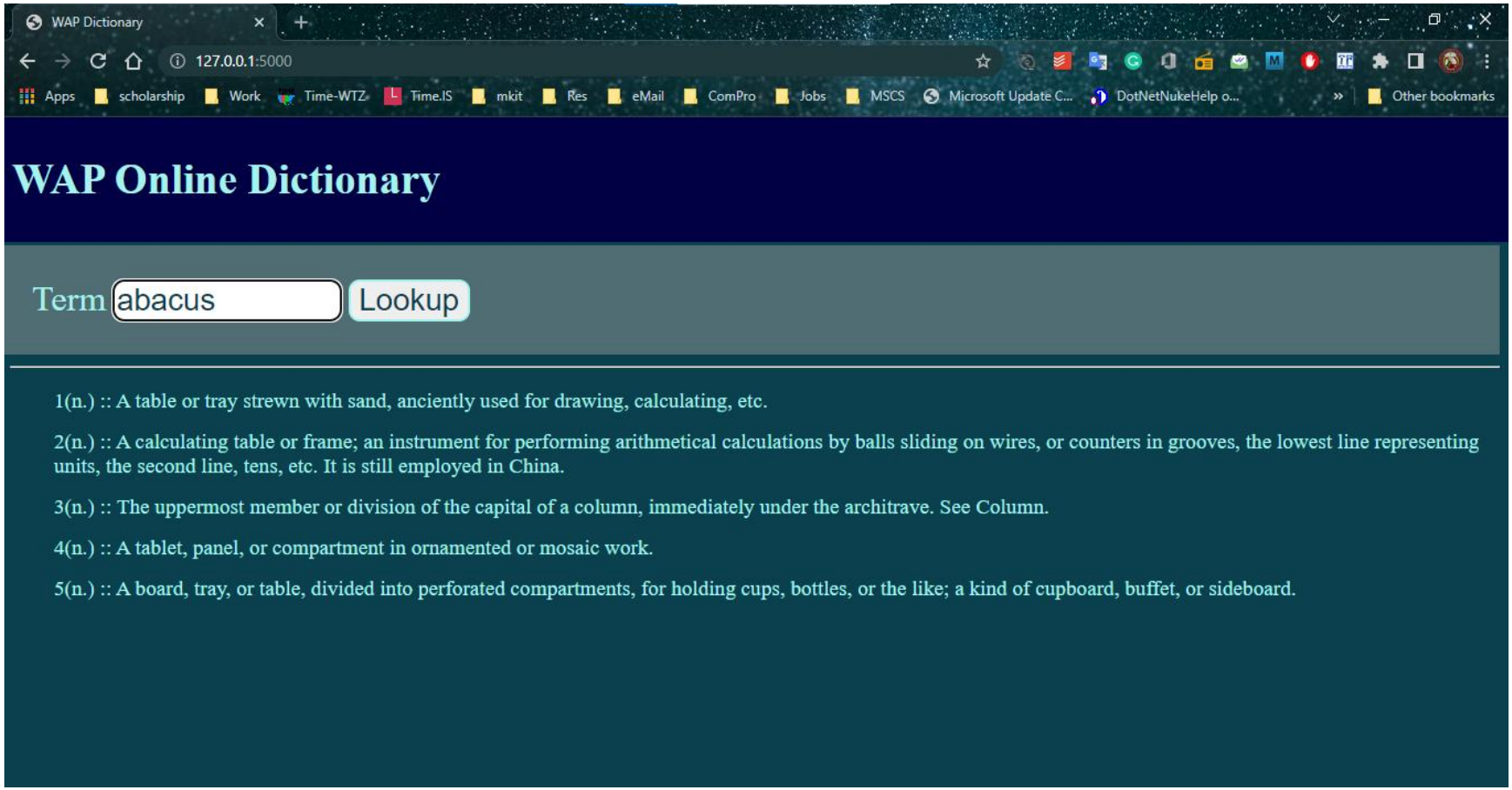


*Figure 2 : Dictionary word search*

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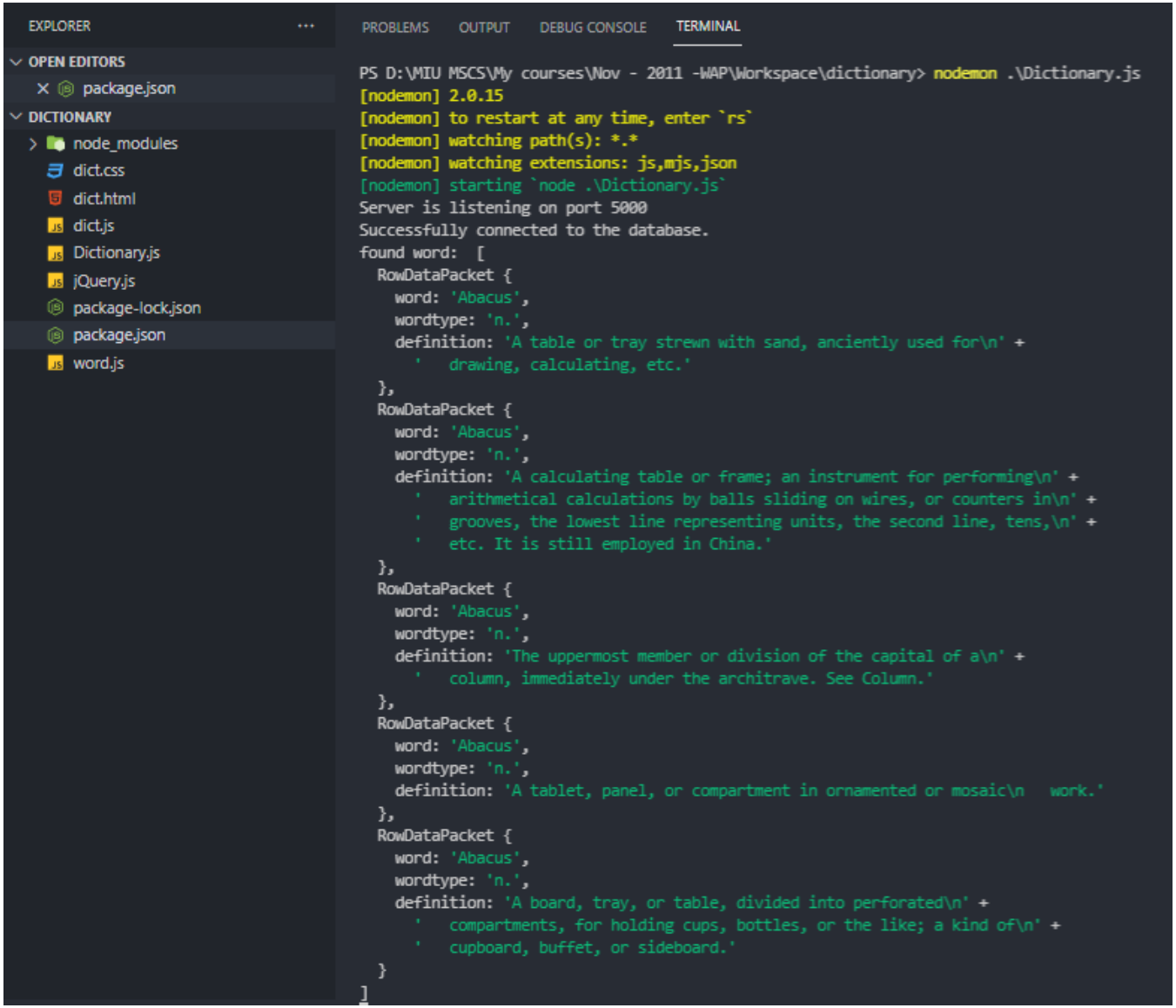


Figure 3:Sample Terminal console output

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## Source codes

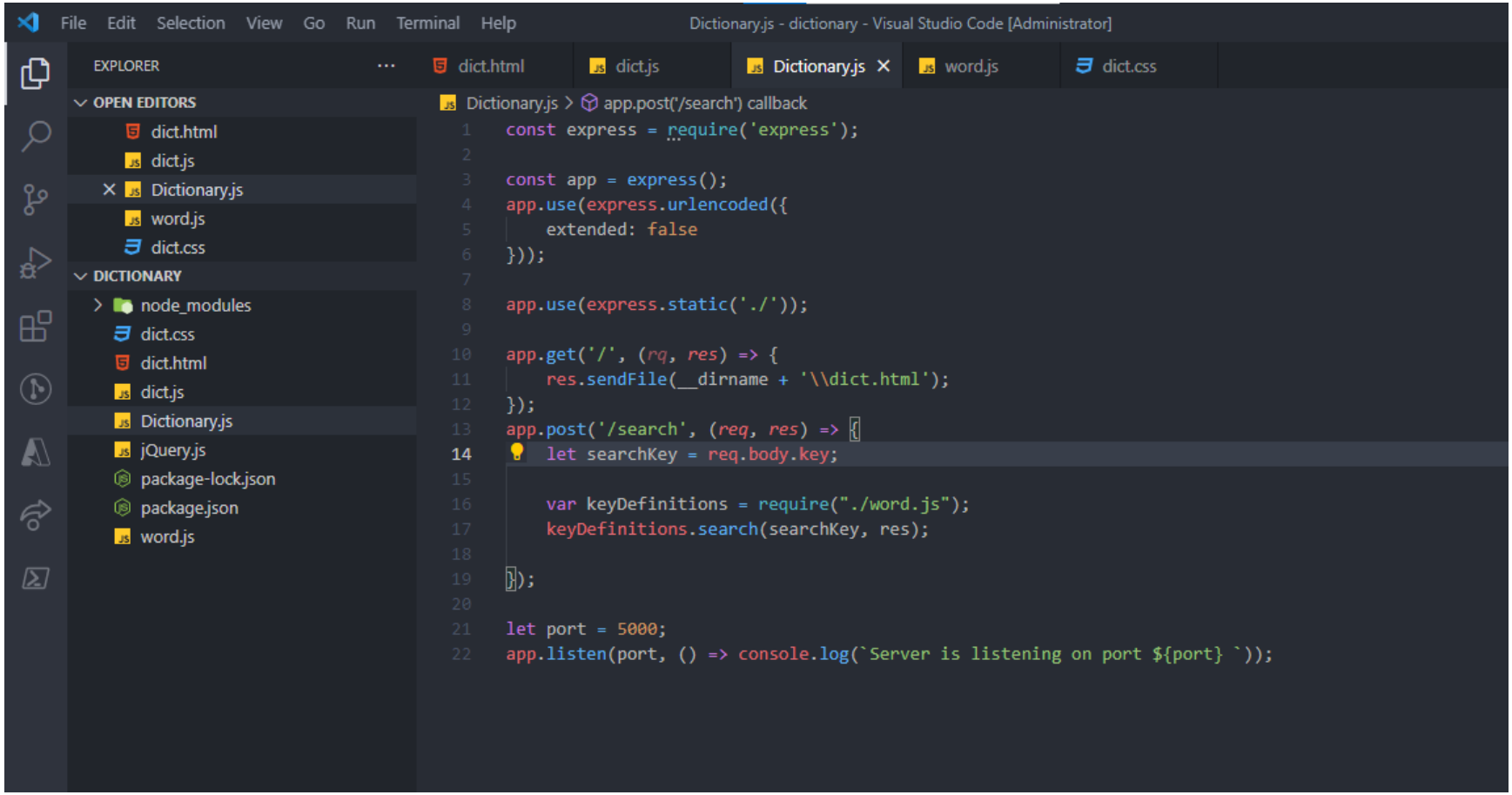


*Figure 4: Dictionary.js*

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# Dictionary Project Report

dict.html | dict.js | Dictionary.js | word.js | dict.css

dict.html > html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>WAP Dictionary</title>
    <link href="dict.css" rel='stylesheet' />
    <script src="jQuery.js"></script>
    <script src="dict.js"></script>
</head>

<body>
    <div class="header">
        <h1>WAP Online Dictionary</h1>
    </div>
    <div class="searchbar">

        <label>Term</label>
        <input type="text" id='term' name='term' required>
        <input type="submit" id="search" value="Lookup">

    </div>
    <hr>
    <div class="result">
        <ol></ol>
    </div>
</body>

</html>
```

*Figure 5: dict.html*

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# Dictionary Project Report

dict.html | dict.js | Dictionary.js | word.js | dict.css

dict.js > error

```
Complexity is 4 Everything is cool!
$(function () {

    Complexity is 3 Everything is cool!
    $('#search').click(function (e) {
        let term = $('#term').val();
        if (term == '') {
            alert('please enter value to search');
            return;
        }
        url = '/search';
        $.post(url, {
                'key': term
            })
            .done(success)
            .fail(error);
    });

});

function success(data) {
    console.log(data);
    console.log(data.length);
    $('.result ol').empty();
    for (let index = 0; index < data.length; index++) {
        $('.result ol').append('<li>(' + data[index].wordtype + ') :: ' + data[index].definition + '</li>');
    }
}
function error(error) {
    console.log(error);
}
```

*Figure 6: dict.js*

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# Dictionary Project Report

dict.html | dict.js | Dictionary.js | word.js | dict.css

word.js > <unknown> > search > connection.connect() callback > connection.query() callback

```
1   const express = require('express');
2   const app = express();
3
4   module.exports = {
        Complexity is 10 It's time to do something...
5       search: function (searchKey, res) {
6
7           const mysql = require('mysql');
8           const dbConfig = { HOST: "localhost", USER: "root",PASSWORD: "miusql", DB: "entries" } ;
9           // Create a connection to the database
10          const connection = mysql.createConnection({
11              host: dbConfig.HOST,
12              user: dbConfig.USER,
13              password: dbConfig.PASSWORD,
14              database: dbConfig.DB
15          });
16          // open the MySQL connection
            Complexity is 9 It's time to do something...
17          connection.connect(error => {
18              if (error) throw error;
19              console.log("Successfully connected to the database.");
                Complexity is 6 It's time to do something...
20              connection.query(`select * from entries where word='${searchKey}' `, (error, recordset) => {
21                  if (error) {
22                      console.log('query error ' + error);
23                      return res.send(null);;
24                  }
25                  if (recordset.length) {
26                      console.log("found word: ", recordset);
27                      return res.send(recordset);
28                  }
29                  return res.send(null); //empty
30              });
31          });
32      }
33  }
```

*Figure 7: word.js*

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# Dictionary Project Report

dict.css dict.css\ .searchbar input

```css
body {
    color: #a7f4ee;
    background-color: #0b404e;
    font-size: larger;
}
.header {
    color: #a7f4ee;
    background-color: #020044;
    padding: 10px 10px;
    margin: -10px -10px 3px -8px;
}
.searchbar {
    padding: 30px;
    margin: auto;
    margin-left: -10px;
    font-size: larger;
    background-color: #506d74;
}
.searchbar label {
    font-size: xx-large;
}
.searchbar input {
    width: 110px;
    height: auto;
    font-size: larger;
    color: #0b404e;
    border: #a7f4ee solid 2px;
    border-radius: 10px;
}
.searchbar input[type='text'] {
    width: 200px;
}
ol {
    counter-reset: item;
    list-style-type: none;
}
li {
    display: block;
    padding-bottom: 15px;
}
li:before {
    content: counter(item) "";
    counter-increment: item
}
```

*Figure 8:CSS [ disct.css ]*

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# Dictionary Project Report

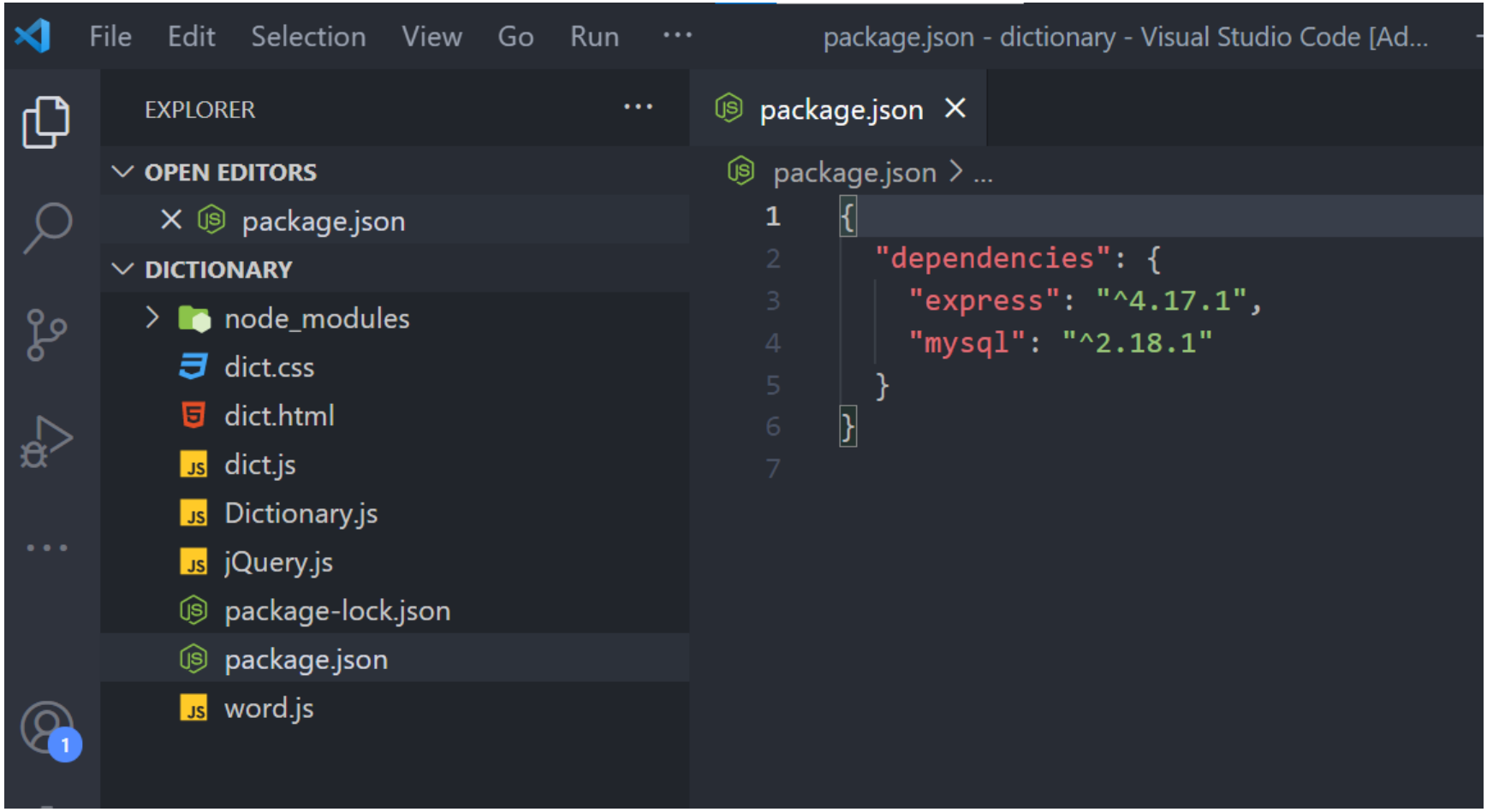


*Figure 9:Project structure and package.json*

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