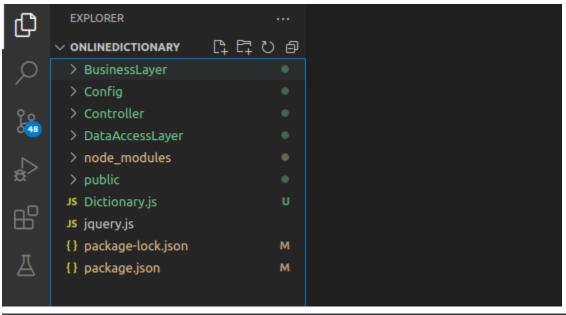
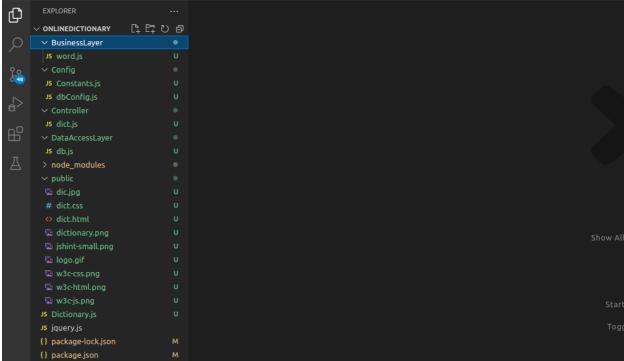
Project Structure

(https://github.com/tsitotaw/tsitotaw.github.io/tree/master/nodejs/onlineDictionary)





Code Snippets Dictionary.js

```
const express = require('express');
    const Entry = require('./BusinessLayer/word');
     const path = require('path');
    const constants = require('./Config/Constants');
    const app = express();
    app.use(express.static('public'));
    app.use(express.static( dirname));
    app.get('/', (req, res) => {
         res.status(200).sendFile(path.join(__dirname + '/public/dict.html'));
    });
    app.get('/entry/:word?', (req, res, next) => {
         let word = req.params.word;
         if (word) {
            Entry.findByWord(word, (err, data) => {
20
                 if (err) {
                    res.status(404).send(err);
                    res.send(data);
            });
        else{
            res.send([]);
            next();
     });
    app.listen(constants.PORT, () => {
     console.log(`Server is listening on port ${constants.PORT}`);
    });
```

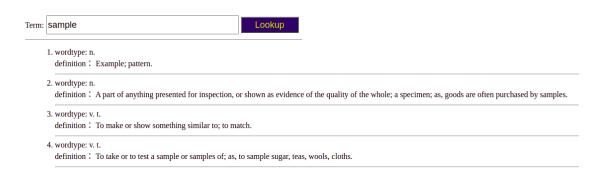
```
<!DOCTYPE html>
<html lang="en-US">
       <meta charset="UTF-8">
      <link rel="stylesheet" type="text/css" href="dict.css">
      <title>Online English Dictionary</title>
      <div class="header">
          <img id="logo" src="dic.jpg" alt="dictionary logo" >
       <div id="wordinput">
          <input type="text" name="txtword" id="txtword" placeholder="word" />
          <button id="btnLookup">Lookup</button>
      <script src="./../jquery.js" type="text/javascript"></script>
      <script src="./../Controller/dict.js" type="text/javascript"></script>
 const mysql = require('mysql');
 const dbConfig = require("../Config/dbConfig");
 const connection = mysql.createConnection({
     host:dbConfig.HOST,
     user: dbConfig.USER,
     password: dbConfig.PASSWORD,
     database: dbConfig.DB
 connection.connect(error => {
     if (error) throw error;
     console.log("Successfully connected to the database.");
 module.exports = connection;
 const sql = require("../DataAccessLayer/db");
 const Entry = function(entry){
     this.word = entry.word;
     this.wordtype = entry.wordtype;
     this.definition = entry.definition;
 Entry.findByWord = (word, result) => {
     sql.query(`SELECT * FROM entries WHERE word = '${word}'`, (err, res) => {
         if(err){
             console.error(err);
             result(err, null);
         result(null, res);
module.exports = Entry;
```

```
Config > Js Constants.js > ...
1    const port = 8081;
2    const url = `http://localhost:${port}/entry/`;
3    exports.PORT = port;
4    exports.URL = url;
```



Term: Word Lookup	· · · · · · · · · · · · · · · · · · ·
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Dictionary.com



Dictionary.com





Term: unknownword	Lookup
icimi. diminovitivora	Zoonap

no definition found for the specified term - or no term specified