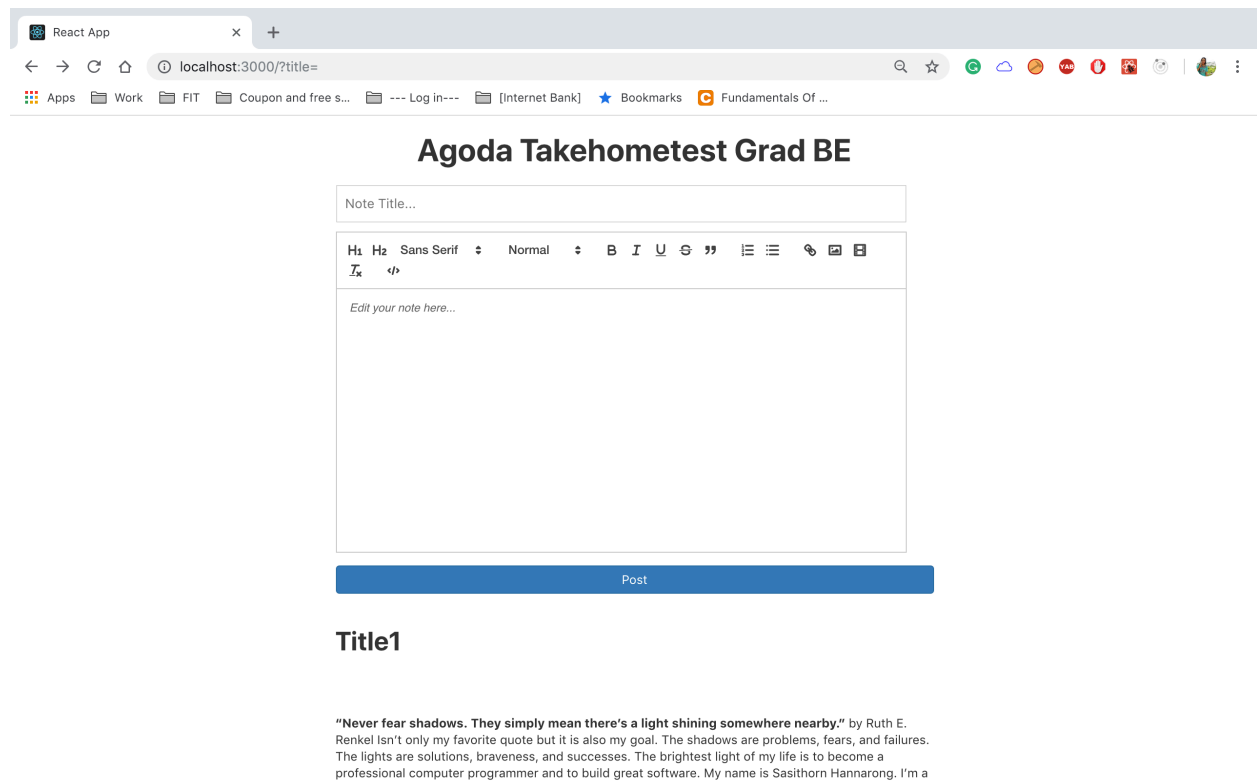


This project developed by Sasithorn Hannarong for the Home Test for Graduate BE Engineer
I am using npm -v 6.4.1 and node -v v10.15.0

****client-side****

A client-side part which is run in the web browser. The code is in src/components/App.js
This part is implemented using React JavaScript library along with other modules:

1. Create one or more notes.
2. View and edit an existing note.
3. List all notes that have been created



****server-side****

The code is in functions/index.js

The api for this web is: <https://us-central1-agodanote.cloudfunctions.net/api>

I used firebase as a database and if you want an access to the database, please let me know. For POST I'll get keys and values from body and for GET and PUT, I'll get keys and values from params. By the way, this is my first REST API coding experience so I'm not sure whether should I get value from params or from body so I mixed it. Please correct me if I do it the wrong way.

The API can expose these HTTP end points:

1. POST /api/notes in order to create a note

You can POST a new note by passing key and value from body.

My POST api **requires 2 key which are title and body**.

Use POSTMAN, send from body:

1. Select POST and enter <https://us-central1-agodanote.cloudfunctions.net/api> as a request URL
2. Select body
3. Select x-www-form-urlencoded
4. Pass 2 keys:
`{ "key": "title", "value": "TestTitle", "description": "", "type": "text", "enabled": true }, { "key": "body", "value": "TestBody", "description": "", "type": "text", "enabled": true }`
5. Click send

The screenshot shows the Postman interface for a POST request to `https://us-central1-agodanote.cloudfunctions.net/api`. The request is configured with the body type set to `x-www-form-urlencoded`. The body contains two keys: `title` with value `TestTitle` and `body` with value `TestBody`. The request has been sent successfully, resulting in a `200 OK` status. The response is displayed in the bottom panel, showing a JSON object with a `message` property: `"message": "POST request is complete"`.

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> title	TestTitle	
<input checked="" type="checkbox"/> body	TestBody	
<input type="checkbox"/> id	-LXAPW1D4F4C6oWjibsN	
Key	Value	Description

Body | Cookies | Headers (10) | Test Results | Status: 200 OK | Time: 274 ms | Size: 411 B | Download

Pretty | Raw | Preview | JSON |

```
1 {
2   "message": "POST request is complete"
3 }
```

2. GET /api/notes in order to get all notes

Use POSTMAN:

1. Select GET and enter <https://us-central1-agodanote.cloudfunctions.net/api> as a request URL then click send

USE Browser:

1. Paste <https://us-central1-agodanote.cloudfunctions.net/api/GET> on browser

The screenshot shows the Postman interface with a GET request to `https://us-central1-agodanote.cloudfunctions.net/api`. The response status is 200 OK, with a time of 105 ms and a size of 1.25 KB. The response body is displayed in JSON format, showing an array of two note objects.

```
[{"id": "-LX6BFE3AMbVmzkRTCJO", "title": "Title1", "notes": "<p><br></p><p><br></p><p><strong class=\"ql-size-large\">“Never fear shadows. They simply mean there’s a light shining somewhere nearby.”</strong><span class=\"ql-size-large\"> by Ruth E. Renkel Isn’t only my favorite quote but it is also my goal. The shadows are problems, fears, and failures. The lights are solutions, braveness, and successes. The brightest light of my life is to become a professional computer programmer and to build great software. My name is Sasithorn Hannarong. I’m a junior majoring in BS Computer Science, Florida Institute of Technology. (Current GPA including senior 1st semester 3.85)</span></p>"}, {"id": "-LXBpY__DxqcMvHcgM0k", "title": "From Postman", "notes": "Sandy and Ali"}]
```

3. GET /api/notes/{id} in order to get one note by {id}

Use POSTMAN, pass id via params:

1. Select GET and enter <https://us-central1-agodanote.cloudfunctions.net/api> as a request URL
2. Select Params
3. For the key, use id and for value, please pass any valid id (you can check all id here <https://us-central1-agodanote.cloudfunctions.net/api/GET>)
4. Click send

USE Browser:

1. Paste <https://us-central1-agodanote.cloudfunctions.net/api/GET?id=<any valid key here>>
i.e. <https://us-central1-agodanote.cloudfunctions.net/api/GET?id=-LX6BFE3AMbVmzkRTCJO>

GET <https://us-central1-agodanote.cloudfunctions.net/api?id=-LXBpg2pebi4OCkl4Klr> Send Save

Params Authorization Headers (1) Body Pre-request Script Tests Cookies Code Comments (0)

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id	-LXBpg2pebi4OCkl4Klr	
<input type="checkbox"/> title	Test2	
<input type="checkbox"/> body	blabla	
Key	Value	Description

Body Cookies Headers (10) Test Results Status: 200 OK Time: 96 ms Size: 406 B Download

Pretty Raw Preview JSON

```
1 {  
2   "body": "blabla",  
3   "title": "Test2"  
4 }
```

4. PUT /api/notes/{id} in order to update one note by {id}

Use POSTMAN, pass id, title and body via params:

1. Select PUT and enter <https://us-central1-agodanote.cloudfunctions.net/api>
2. Select Params
3. There are 3 keys required for this PUT request, please use id, title and body as keys. You can pass any value for the title or body value but please pass only the valid id
4. Click send

The screenshot shows the Postman interface for a PUT request. The URL bar contains the endpoint: `https://us-central1-agodanote.cloudfunctions.net/api?id=-LXBpg2pebi4OCkI4Klr&title=PUT Test&body=I'm replacing this note with new texts from PUT request`. The request method is set to PUT. The Params tab is active, displaying a table with three parameters: id, title, and body. The id parameter has the value -LXBpg2pebi4OCkI4Klr, title is PUT Test, and body is I'm replacing this note with new texts from PUT request. The response tab is also active, showing a 200 OK status with a JSON body: `{ "message": "PUT Process is complete! please call GET?id=-LXBpg2pebi4OCkI4Klr to see the new note" }`.

https://us-central1-agodanote.cloudfunctions.net/api?id=-LXBpg2pebi4OCkI4Klr&title=PUT Test&body=I'm replacing this note with new texts from PUT request

PUT `https://us-central1-agodanote.cloudfunctions.net/api?id=-LXBpg2pebi4OCkI4Klr&title=PUT Test&body=I'm r...` Send Save

Params Authorization Headers (1) Body Pre-request Script Tests Cookies Code Comments (0)

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	-LXBpg2pebi4OCkI4Klr			X
<input checked="" type="checkbox"/>	title	PUT Test			
<input checked="" type="checkbox"/>	body	I'm replacing this note with new texts from PUT re...			
	Key	Value	Description		

Body Cookies Headers (10) Test Results Status: 200 OK Time: 366 ms Size: 471 B Download

Pretty Raw Preview JSON

```
1 {
2   "message": "PUT Process is complete! please call GET?id=-LXBpg2pebi4OCkI4Klr to see the new note"
3 }
```