

# Simple Message Board

## Setup

### Prerequisites

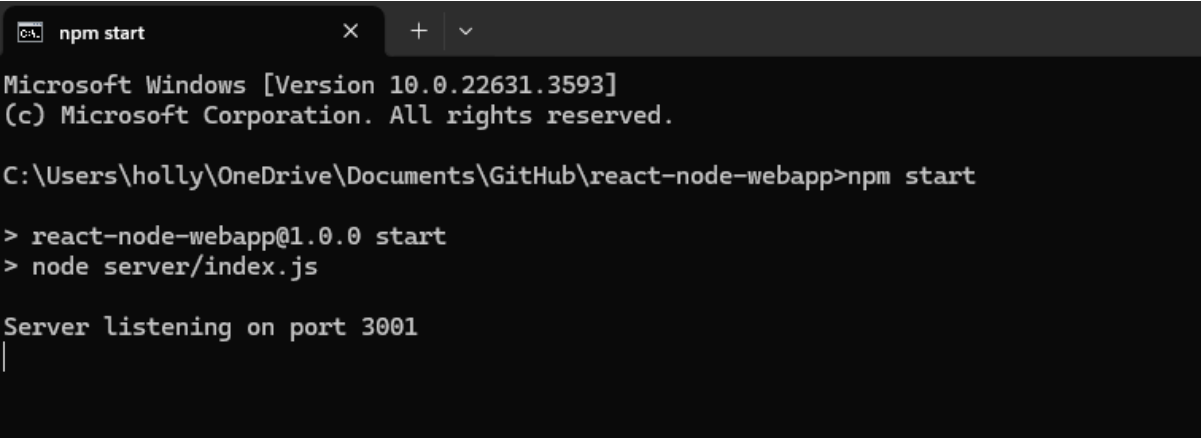
To run the project successfully, you require the below to be installed, if they aren't already

- Node.js - <https://nodejs.org/en/download/package-manager>
- npm - installed when you install Node.js
- Git - <https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>
- Postman account (optional) - for interacting with the API outside of the web app - <https://www.postman.com/>

Known Issue: Please run without a VPN as some VPNs can cause errors with starting and using the application.

### How to run the application

- Clone the repository which can be found here - <https://github.com/holly-groves/simple-message-board>
- Navigate to the simple-message-board folder in command prompt and run "npm install" to install the dependencies for the project.
- Then run "npm start" to start the backend. See image below.
  - If there are issues starting, ensure no other applications are using that port, see image below.



```
Microsoft Windows [Version 10.0.22631.3593]
(c) Microsoft Corporation. All rights reserved.

C:\Users\holly\OneDrive\Documents\GitHub\react-node-webapp>npm start

> react-node-webapp@1.0.0 start
> node server/index.js

Server listening on port 3001
```

- On a new command prompt, navigate to the simple-message-board\client folder in command prompt and run "npm install" again

- Then run “npm start” to start the frontend. See image below
  - If there are issues starting, ensure no other applications are using that port, see image below

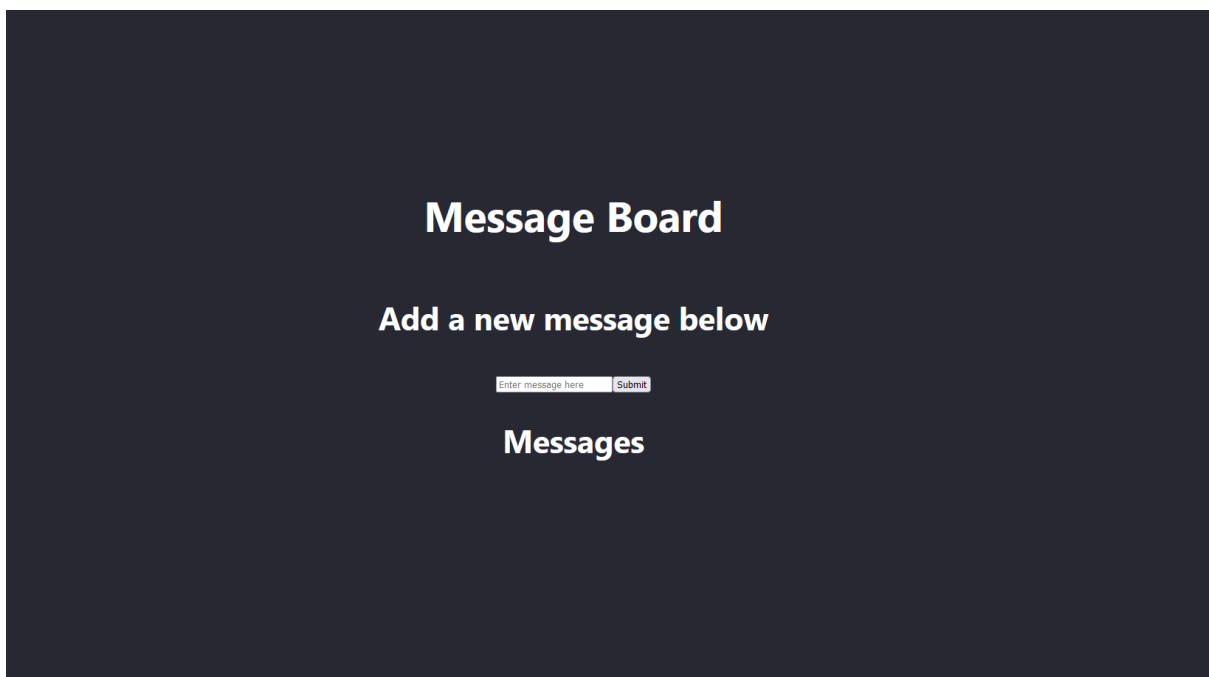
```
C:\Users\holly\OneDrive\Documents\GitHub\react-node-webapp\client>npm start
```

- The application should open up in your browser, if it doesn't you can find it here - <http://localhost:3000>

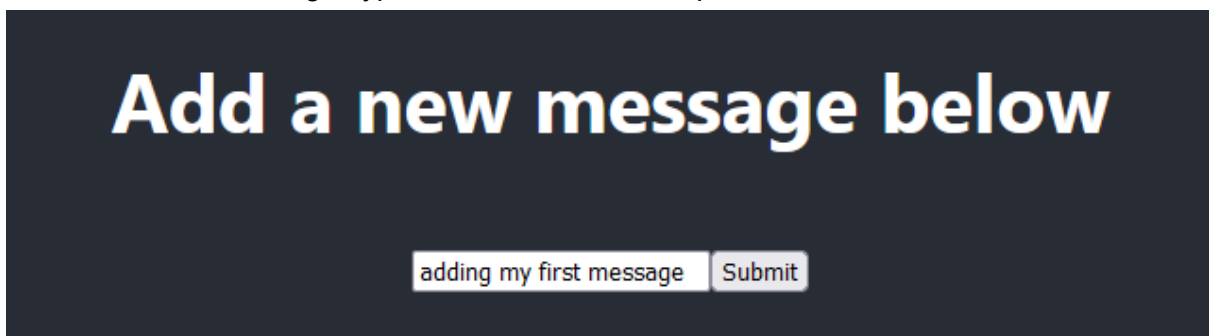
## How to Use

### Web App

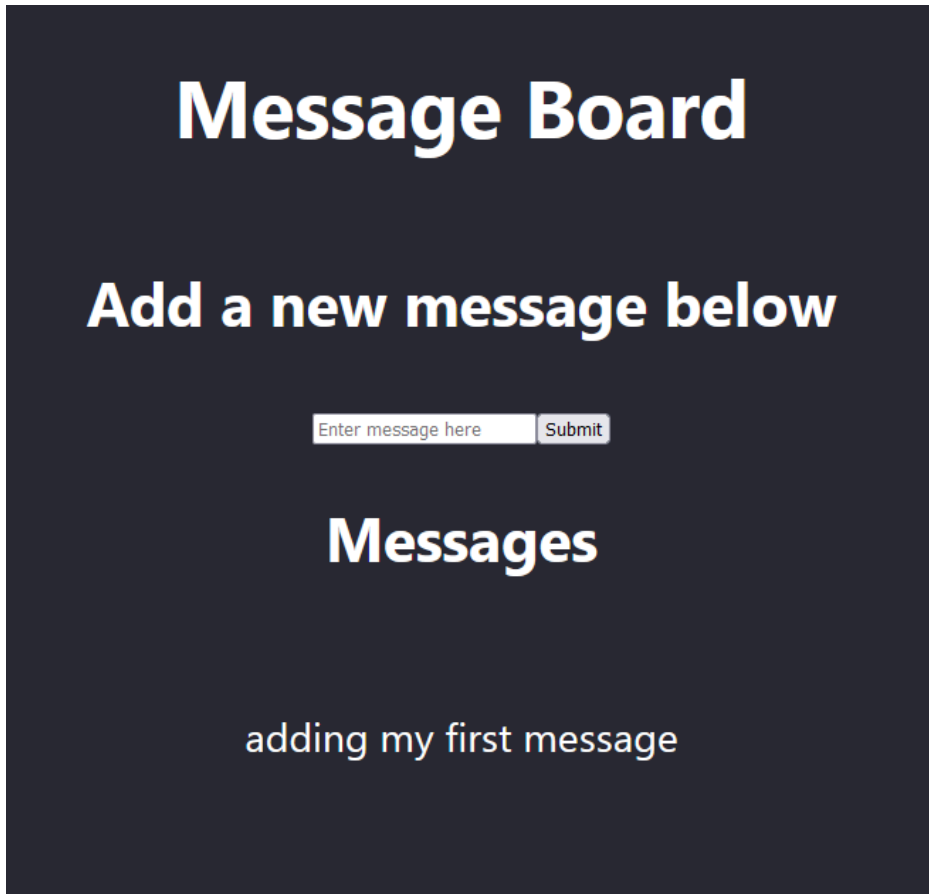
- When the application has started up, it'll look like this -



- To add a message, type it in the text box then press submit



- Then your message will appear on the screen after you submit



# Message Board

## Add a new message below

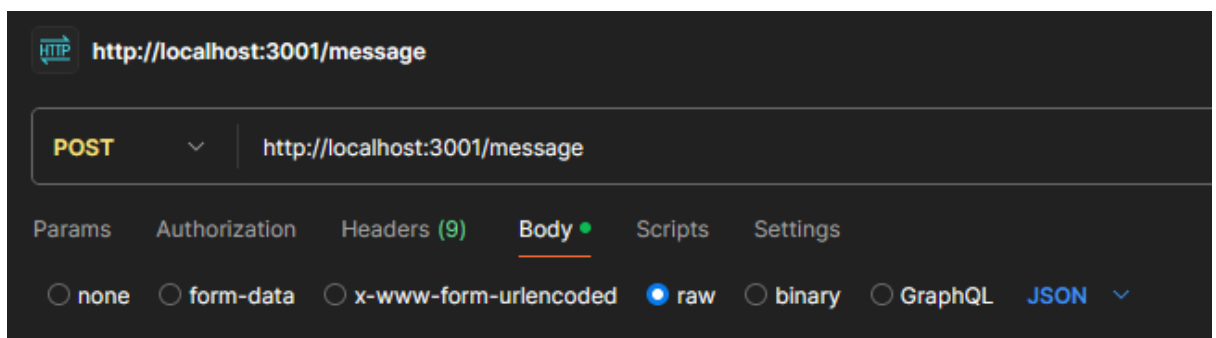
### Messages

adding my first message

## Postman

### Adding a new message

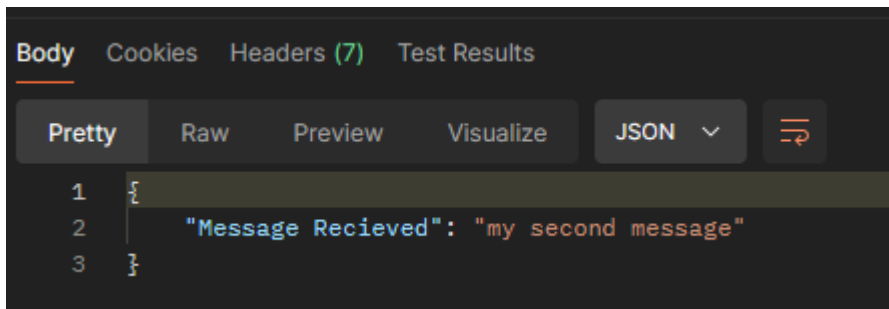
- Login to Postman
- Create a new POST request and enter the URL - <http://localhost:3001/message>
- In the “Body” section, click the “Raw” radio button, and set the drop down to be JSON. See image below.



- In the “Body” section, this is where you will enter the text for the message. This is entered in the below JSON format. Ensure the key is “message” and your text goes to the right of it.

```
1 {
2   ... "message" : "my second message"
3 }
```

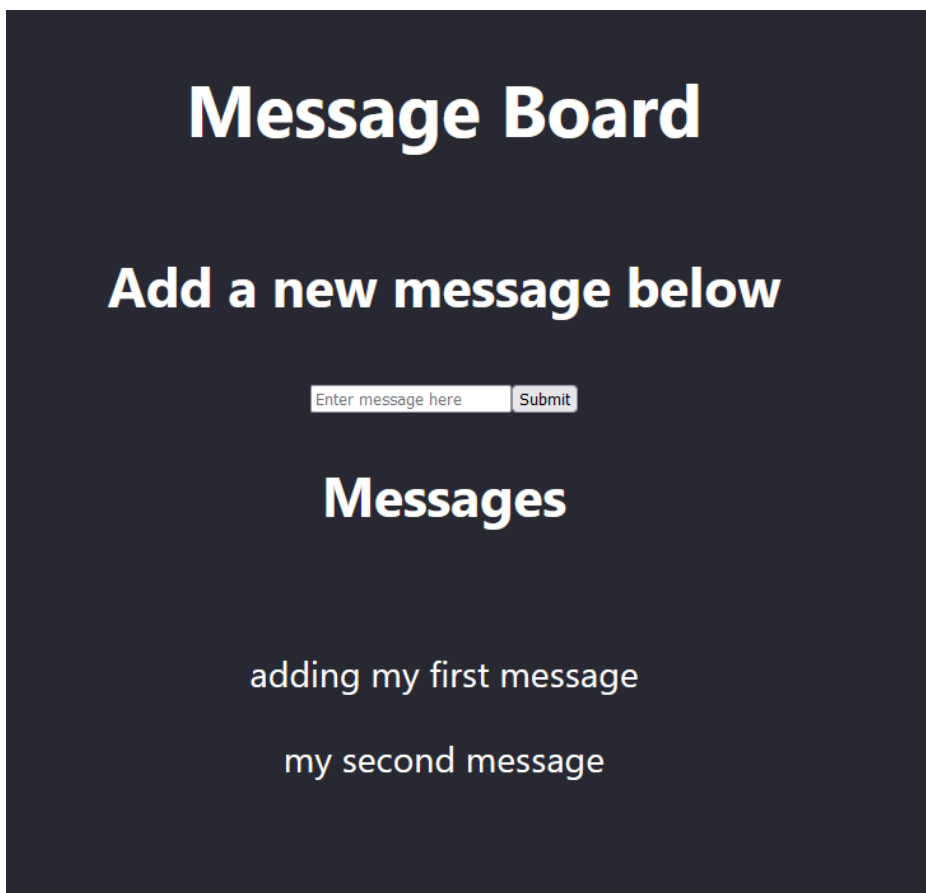
- Then press the “Send” button. If it was successful, it will have the below response



The screenshot shows a REST client interface with tabs for Body, Cookies, Headers (7), and Test Results. The Body tab is selected, and the response is displayed in a 'Pretty' JSON format. The JSON object contains a single key-value pair: "Message Recieved" (note the typo in the image) with the value "my second message".

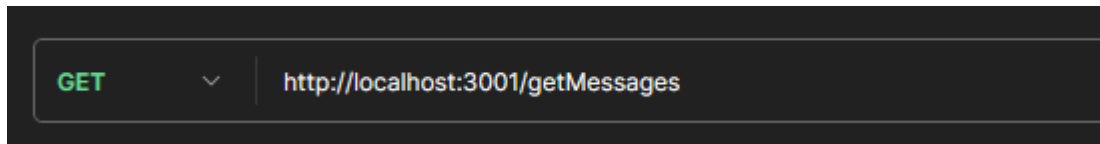
```
1 {
2   "Message Recieved": "my second message"
3 }
```

- If the response is an error, then check the JSON is formatted correctly as previously shown.
- Go back to the Message Board page and refresh to see the message added on the screen.



## Viewing all messages

- Create a new GET request and enter the url <http://localhost:3001/getMessages>



- Press the blue “Send” button
- Then in the response, you will see a JSON with all the messages that have been submitted while the application has been running

