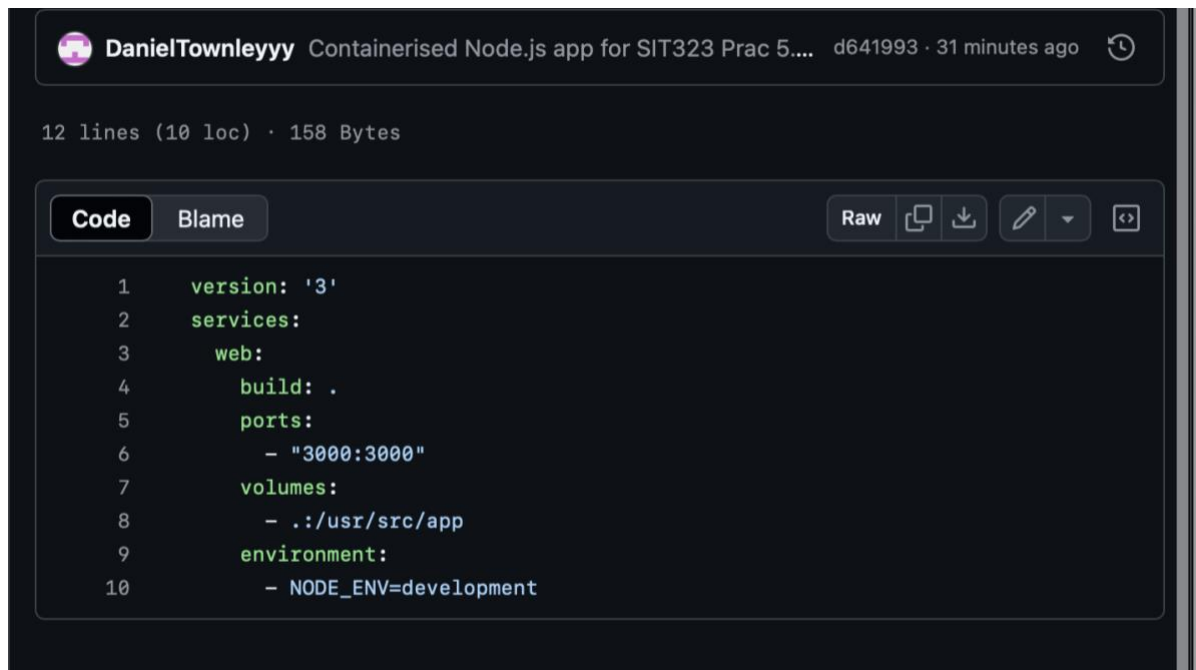


TASK 4.1P

NODE JS WEB SERVER USING DOCKER


Github repo link: <https://github.com/danieltownleyyy/sit323-prac5p>

CODE EXPLANATION / SCREENSHOTS

A screenshot of a GitHub repository interface. At the top, the repository name is 'DanielTownleyyy Containerised Node.js app for SIT323 Prac 5...' with a commit hash 'd641993' and a timestamp '31 minutes ago'. Below this, the file 'Docker-compose.yml' is shown with a size of '12 lines (10 loc) · 158 Bytes'. The file content is displayed in a dark-themed code editor with line numbers 1 through 10. The code is a YAML configuration for a Docker service named 'web'. It specifies the build context as '.', the ports as '3000:3000', the volume as './usr/src/app', and the environment variable 'NODE_ENV=development'.

```
1  version: '3'
2  services:
3    web:
4      build: .
5      ports:
6        - "3000:3000"
7      volumes:
8        - ./usr/src/app
9      environment:
10       - NODE_ENV=development
```

This is the Docker-compose.yml file which defines and manages the multi container docker applications, specifying how services should be configured built and ran

 **DanielTownleyyy** Updated Dockerfile and index.js with custom ... 0511c73 · 18 minutes ago

21 lines (14 loc) · 428 Bytes

CodeBlame

RawCopyDownloadEditDropdownDiff

```
1  # Created by Daniel Townley - SIT323/737 Task 5.1P
2
3  # Use the official Node.js 18 image as the base
4  FROM node:18
5
6  # Set the working directory in the container
7  WORKDIR /usr/src/app
8
9  # Copy package files and install dependencies
10 COPY package*.json ./
11 RUN npm install
12
13 # Copy the rest of the application code
14 COPY . .
15
16 # Expose port 3000 so the app is accessible
17 EXPOSE 3000
18
19 # Command to run the application
20 CMD ["npm", "start"]
```

This is the dockerfile which provides the step by step instructions for building the docker image of the application. It sets up the environment, installs the dependencies of it and the shows how to run the app.

DanielTownleyyy Updated Dockerfile and index.js with custom ... 0511c73 · 23 minutes ago



17 lines (12 loc) · 487 Bytes

Code

Blame

Raw



```
1 // Simple Node.js web server created by Daniel Townley for SIT323/737
2
3 const http = require('http');
4
5 // Define the port number the app will run on
6 const PORT = 3000;
7
8 // Create the server and respond to incoming requests
9 const server = http.createServer((req, res) => {
10   res.end('✅ Hello from Daniel\'s Dockerised Node.js App!');
11 });
12
13 // Start the server and log that it's running
14 server.listen(PORT, () => {
15   console.log(`🚀 Server is running at http://localhost:${PORT}`);
16 });
```

This is the index.js (node.js) file and it contains the code for a simple web server that listens on port 3000. Responds with message when it is accessed