Start Up Instructions for MacOS:

Setting up for running as a local host:

Basic Setup before anything else:

1: Open up your Mac Terminal which you can find in Applications -> Utilities -> Terminal, and Install the Angular CLI by typing this into the prompt:

npm install -g @angular/cli

2: While we're still in the terminal, also install the Angular CLI

2:

Open your web browser and navigate to https://nodejs.org/en/download/
Download Nodejs for MacOS and follow the instructions for installation.
This will allow you to run the back end (server side) files.

3: Going back Install the Angular CLI by typing this into the prompt:

```
$ npm install pm2 -g
```

This will install the program you need to deploy the angular app as a local host.

Setup:

1: Navigate to the following directory in your file explorer window:

yourStorageLocation../Project3/backend

2: Open up the project in your in your preferred IDE and navigate to a folder names "backend" then to a file called databaseAPI.js.
Webstorm is what was used to develop this project and is highly recommended.

3:Go to line 38 you will see this line:

```
app.use(express.static('localBuild'));
```

Make sure the line is uncommented and the string in quotes is 'localBuild' to ensure you are using the correct build of the project. There is an adjacent line that looks almost the same as this line, be sure it is commented out as both lines can't run simultaneously.

4: Open up your Terminal like step 1.

6: Type in the command line *"cd _project directory_"*

(replace _project directory_ with the directory of the project 3 folder's location on your device) to navigate where the project3 folder is stored on your device and press enter to execute it.
Here is an example working command to get into the Documents directory:

cd Documents

Our working directory is now Documents, then:
cd Project3
Our working directory is now Project3

If you need to go back to the parent folder for any reason in your navigation type "cd .." to navigate to the parent folder of your current working directory.

6: Type *"cd backend"* in the command prompt and press enter.

Your working directory should now be b*ackend*

7: In the command prompt, type *"pm2 start "databaseAPI.js" --name backend-p3"* to run the whole application. You are free to rename the project anything you like, but in this example, we named it "backend-p3"
When it starts, you will see a view similar to below in your terminal:

```
[fehmineffati@Fehmis-MacBook-Pro backend % pm2 start "databaseAPI.js" --name backend -p3
[PM2] Starting /Users/fehmineffati/Documents/Project3/backend/databaseAPI.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	↺	status	cpu	mem	user	watching
0	backend	default	1.0.0	fork	28558	0s	0	online	0%	12.6mb	feh…	disabled

13: Open a web browser window and navigate to http://localhost:8000/ and you should see the website on your screen like below. Refresh the page if it doesn't load at first, the server takes a second to load up.

If it still doesn't load completely, your adblocking software may be blocking the website's functionality. Disable your adblocking software and click refresh.

Note: If forever reason you wish to stop the application, you will need open a PowerShell window and navigate to the …project3/backend directory (check steps 4-6) then you will want to type "pm2 stop [whateverYouNamedTheAppProcess]" or pm2 stop all into the command prompt and that will stop the application.

Onshore winds bring red tide near the shore, please stay away from the shore.

Graphical Representations of Data

Mentions of Red Tide per City
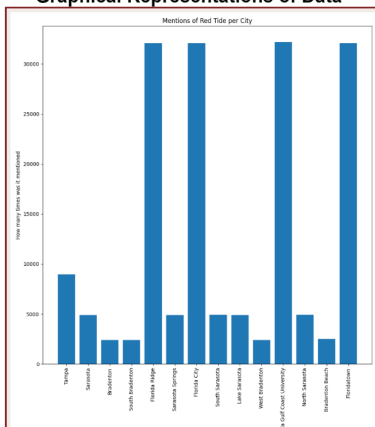
Related Tweets:

Tampa Bay Estuary Program:

TBEP's Marcus Beck talks #PineyPoint and last year's #RedTide event with @CBSNews https://t.co/o55QJC9GM4
Tue May 03 14:26:21 +0000 2022

Knowledge = Power :

A new study shows the Piney Point spill likely made red tide worse | #redtide #PineyPoint #TampaBay https://t.co/8ekhgFeWUM
Tue May 03 10:34:34 +0000 2022

Travis:

@AndTheBandAides Channel a swift action by the Senate to pass #WomensHealthProtectionAct, and a resounding…
https://t.co/Ug4eg8UejQ
Tue May 03 04:11:51 +0000 2022

Setting up for Running on AWS instance:

1: Navigate to the following directory in your file explorer window:
   yourStorageLocation../Project3/backend

2: Open up the file called databaseAPI.js in your preferred IDE. Webstorm is what was   used to develop this project and is highly recommended.

3: Go to line 37 you will see a line of code like below:

```
app.use(express.static('localBuild'));
```

   Make sure this line is uncommented and the string in quotes is 'serverBuild' to ensure you are using the correct build of the project. There is an adjacent line that looks almost the same as this line, be sure it is commented out as both lines can't run simultaneously.

4: Go to 343590209854.signin.aws.amazon.com/console

5: Sign in using the following credentials:
Account ID: 343590209854
   IAM user name: Jolly2022
   Password: Jolly2022

## 6: In the search bar, type EC 2 and click on it
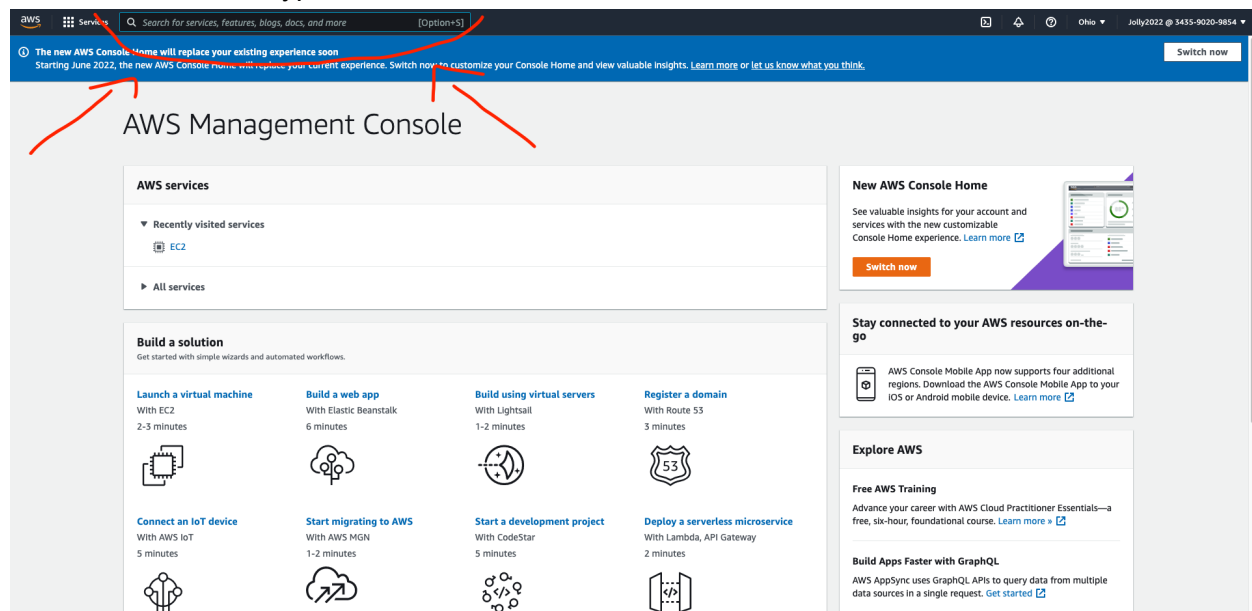
7: Once you're in you're on the EC2 page, Go to instances
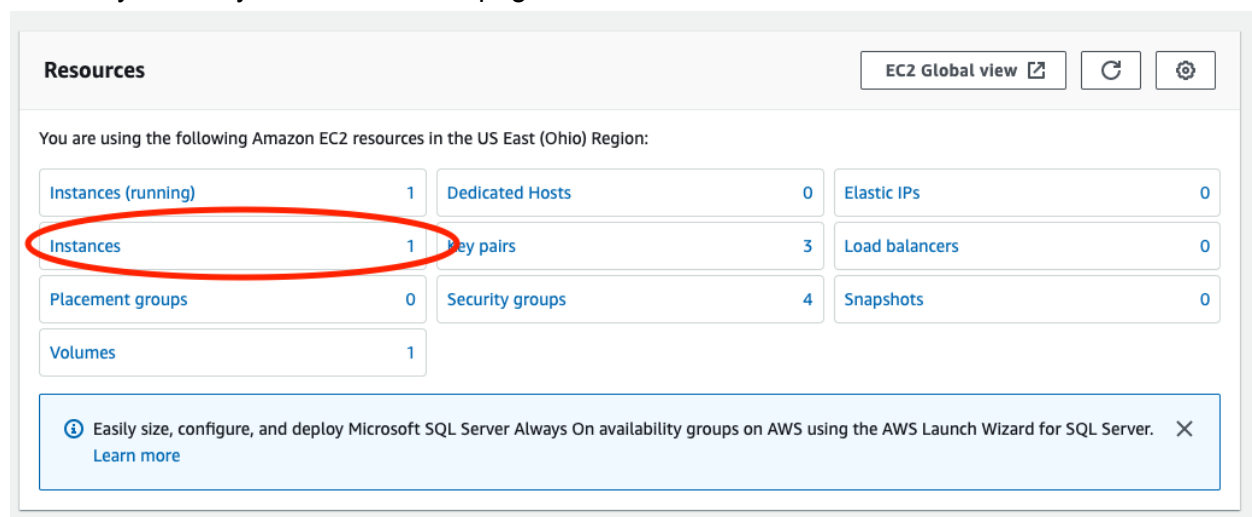
8: Check JollyRanchers and Click the **connect** button
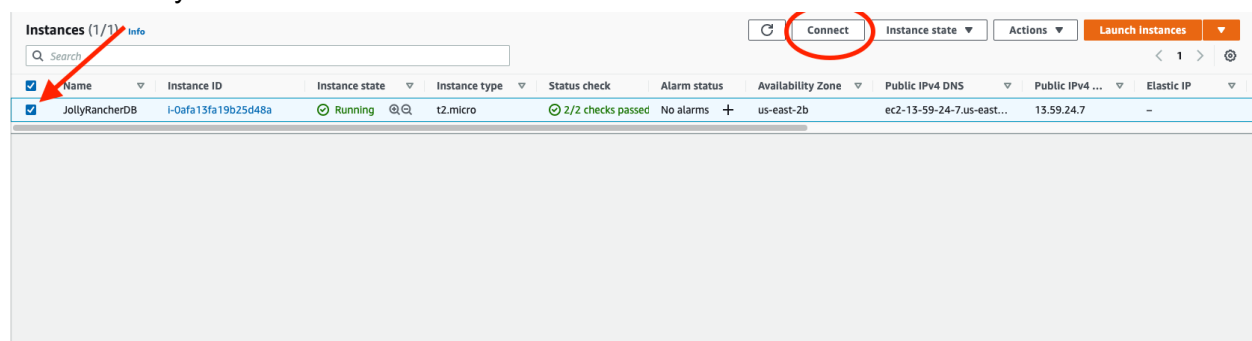
9: Make sure Ubuntu Is the User Name and Click connect

11: In the newly displayed terminal, type in "cd Project3/backend" and press enter to navigate to the front end project directory.

12: In the command prompt, type *"pm2 start "databaseAPI.js" --name backend-p3"* to run the whole application. You are free to rename the project anything you like, but in this example, we named it "backend-p3"
    When it starts, you will see a view similar to below in your terminal window:

13: In order for the website to update every 24 hours, you will need to type one more command into the terminal. Type in "pm2 scheduler.js" to run the scheduler script that will update the website content regularly.

14: Open a web browser window and navigate to "http://ec2-13-59-24-7.us-east-2.compute.amazonaws.com:8000/" to view the web page.