Exercises for Web API (GET)

In this exercise, you'll build an application that displays topics, and messages in those topics, for a message board application. Most of the application has been completed. You need to implement a new service object to connect to the web API, and use that service object in the components to pull in data from the API.

Step One: Initialize the project

After opening the project folder in Visual Studio Code, open the View menu and click on Terminal. Alternatively, you may press `Ctrl+`` on Windows and macOS. Next, run the command `npm install` to install any dependencies before working on the project.

To run the project, use `npm run serve`.

To test the project and verify completion, use `npm run test:e2e`.

Step Two: Implement service object and retrieval of topics

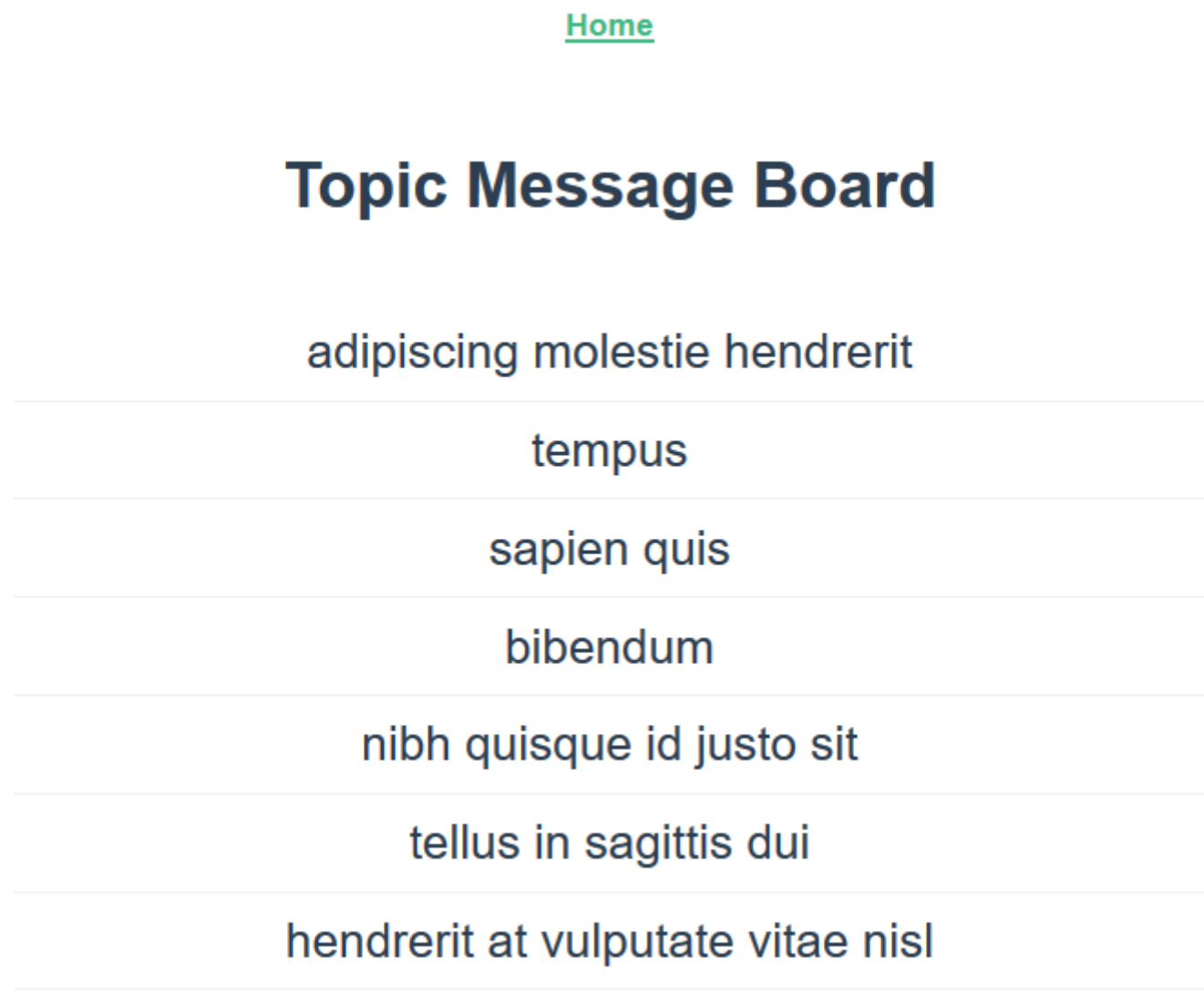
Create a new service object to use against the Topics Web API. This service object should have the base URL set to `http://localhost:3000`.

Add a method that calls the URL `/topics` and returns the Promise. Check that URL in Postman to see what format the data is in.

Step Three: Load the topic data into the `TopicList` component

Update the `TopicList` component to use the service object to load in the topic data, and assign it to the component's `topics` data property.

This creates a view that looks like this:



After this step is complete, all tests in `Step Three Tests` should pass.

Step Four: Load the details for a specific topic

Add a new method to the service object that pulls information from the URL `/topics/:id` and returns a Promise. Check that URL in Postman to see what format the data is in.

Update the `TopicDetails` component to use that new method to update its data.

Update the `TopicList` component to add links to the topic name that go to the `Messages` route. Look at the router configuration in `src/router/index.js` to see the route details.

The page at `/` now looks like this:

Home

Topic Message Board

adipiscing molestie hendrerit

tempus

sapien quis

bibendum

nibh quisque id justo sit

tellus in sagittis dui

hendrerit at vulputate vitae nisl

The topic details at those links look like this:

Home

adipiscing molestie hendrerit

cursus

duis bibendum morbi non quam nec dui luctus rutrum nulla tellus in sagittis dui vel nisl duis ac nibh fusce lacus purus aliquet at feugiat non pretium quis lectus suspendisse

condimentum

vestibulum ac est lacinia nisi venenatis tristique fusce congue diam id ornare imperdiet sapien urna pretium nisl ut volutpat sapien arcu sed augue aliquam erat volutpat in

morbi vestibulum

quis libero nullam sit amet turpis elementum ligula vehicula consequat morbi a ipsum integer a nibh in quis justo maecenas rhoncus aliquam lacus morbi quis tortor id nulla ultrices aliquet maecenas leo odio condimentum

After this step, all tests should pass.