

# Exercises for Web API (GET)

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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 set it to the component's `topic` data property.

This creates a view that looks like this:

[Home](#)

# Topic Message Board

adipiscing molestie hendrerit

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tempus

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sapien quis

---

bibendum

---

nibh quisque id justo sit

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tellus in sagittis dui

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hendrerit at vulputate vitae nisl

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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](#)

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[tempus](#)

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[sapien quis](#)

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[bibendum](#)

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[nibh quisque id justo sit](#)

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[tellus in sagittis dui](#)

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[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 dui 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.