

Quotes Application

Problem Definition:

Create a simple Website Application which consumes the API endpoints to list Quotes and their Authors.

The Application consists of a single Entity called **Quotes**. Below are the fields of the entity.

Quotes

- id (UUID)
- quote (string)
- author (string)
- likes (number)
- dislikes (number)
- tags (string)

tags: this will be a semicolon separated string for various tags

API Endpoint:

<https://quote-api-app.herokuapp.com/>

API Endpoints:

Quote API

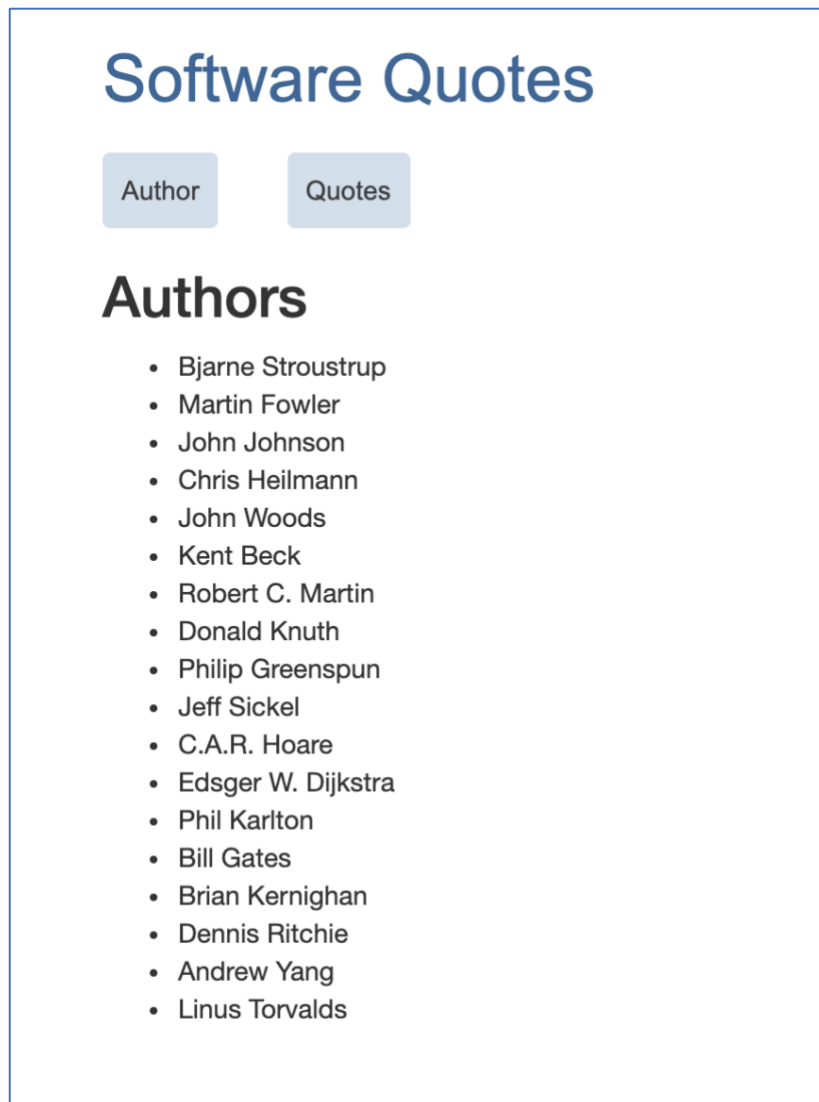
Action	End-Point	Desc
GET	/quote	Get all the quotes
GET	/author	Get list of all Authors
GET	/quote/search ?author=martin	Searches for quotes written by author martin

UI Screens:

Below are the UI Screens which needs to be developed. Note: The below UI Screens are just a sample, you are free to design the UI/UX as per your ideas. Provided the API endpoints are consumed.

Task 1: Authors (clicked)

On clicking of Author button, Display the list of distinct Authors from the quotes list.



Additional Task:

- *Instead of Buttons. Make it a tab's (Author & Quotes)*
- *Make the Page header more appealing*

Task 2: Quotes (Clicked)

Display all the quotes in the database as shown below in the UI.

Software Quotes

Author

Quotes

Search By Author

Quotes

There are only two kinds of languages: the ones people complain about and the ones nobody uses.

0

- Bjarne Stroustrup

Any fool can write code that a computer can understand. Good programmers write code that humans can understand.

0

- Martin Fowler

First, solve the problem. Then, write the code.

0

- John Johnson

Java is to JavaScript what car is to Carpet.

0

- Chris Heilmann

Always code as if the guy who ends up maintaining your code will be a violent psychopath who knows where you live.

25

- John Woods

Task 3: Quotes - Search

When searched by Author name, displayed the matching authors

Software Quotes

Author

Quotes

Search By Author

Quotes

Intelligence is the ability to avoid doing work, yet getting the work done.

0

- Linus Torvalds

If Microsoft ever does applications for Linux it means I've won.

0

- Linus Torvalds

Most good programmers do programming not because they expect to get paid or get adulation by the public, but because it is fun to program.

0

- Linus Torvalds

See, you not only have to be a good coder to create a system like Linux, you have to be a sneaky bastard too.

0

- Linus Torvalds

Task 4: Author's – linking to Quotes

When clicked on any Author name in the list, navigate to the quotes tab and fill the search button and perform search, to display the filtered quotes by Author

Software Quotes

Author

Quotes

Authors

- Bjarne Stroustrup
- Martin Fowler
- John Johnson
- Chris Heilmann
- John Woods
- Kent Beck
- Robert C. Martin
- Donald Knuth
- Philip Greenspun
- Jeff Sickle
- C.A.R. Hoare
- Edsger W. Dijkstra
- Phil Karlton
- Bill Gates
- Brian Kernighan
- Dennis Ritchie
- Andrew Yang
- Linus Torvalds

Software Quotes

Author

Quotes

Search By Author

Martin Fowler

search

Quotes

Any fool can write code that a computer can understand. Good programmers write code that humans can understand.

0

- Martin Fowler

If you have to spend effort looking at a fragment of code and figuring out what it's doing, then you should extract it into a function and name the function after the 'what'.

0

- Martin Fowler

Task 5 : Quote of the day

Part 1: Implement a new route /quote-of-the-day. This route should randomly display any quote from the available list of quotes.

Add a button/menu like Author, Quotes called **Home**.

Clicking on it should display **the quote-o- the-day** Route.

Part 2: Implement logic to display the same **Quote**, even if the user refreshes the browser page. But if the user opens a new browser, then the quote could be different. Also at the end of new day, the quote should be different and should not be any of the past 10 quotes displayed before.

Task 6 : Add New Quotes (Optional)

Consume the POST API of quotes to add functionality to add a new quote.

NOTE:

- **Work on Each task individually, don't try to complete all the tasks together.**
 - **You are advised to commit your changes once each task is complete and push to GitHub.**
- While committing your changes put proper commit messages.
Hint: Use [Conventional commits](#) messages