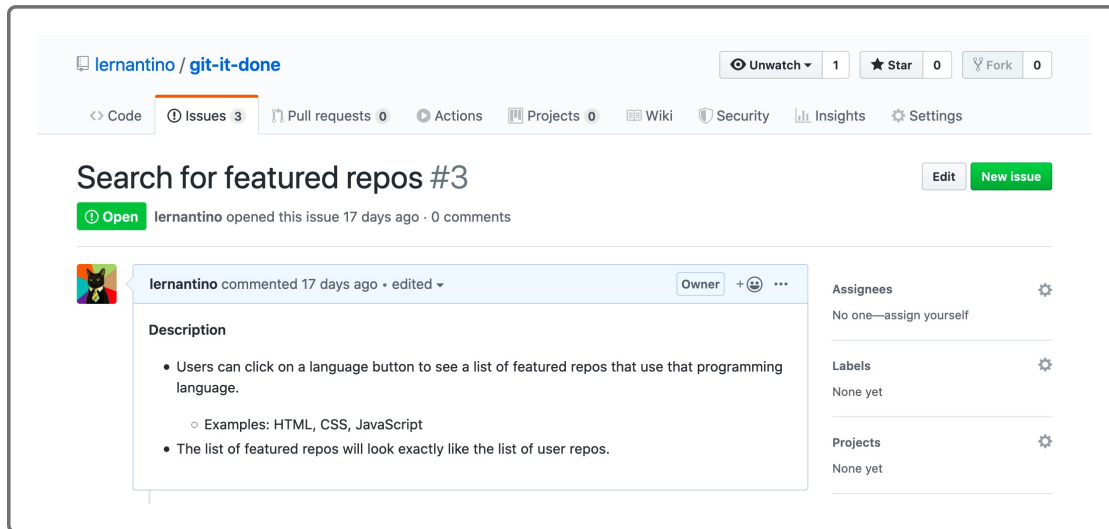


6.5.1 Introduction

Congratulations on making it this far into your project! You've built a complete app that can take users from one page to another, transferring information along the way. This animation shows what you've done so far:



Remember that we still need to tackle one more issue. We need to add buttons that allow the user to filter the repository search results by programming language, as seen in the following GitHub issue:



Adding this capability will be possible because GitHub already allows users to search for popular repositories in a specific programming language. With over 28 million public repositories, GitHub can seem like a daunting place to start contributing to open source projects. For that reason, the site enables web developers to focus on projects that they actually have the skills to contribute to. For example, users can type something along the lines of "languages:javascript" in the search bar. Similarly, we'll add language buttons on the homepage of the Git it Done app to make it much easier to find open source projects that use familiar languages.

We'll leverage past experience by completing the following tasks:

- Use `data-`* attributes for the buttons.
- Implement event delegation when clicking buttons.
- Add query string parameters to the GitHub API's URLs.

In this lesson, we'll accomplish the following:

- Recognize which options are available for GitHub API endpoints.
- Use multiple parameters in a query string.
- Use HTML attributes to dynamically update an API call.

Experimenting with GitHub's API and similar APIs will give you valuable insight into the kinds of use cases to anticipate when building an API with other developers. You'll face many similar decisions when you learn back-end development and create your own APIs.

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