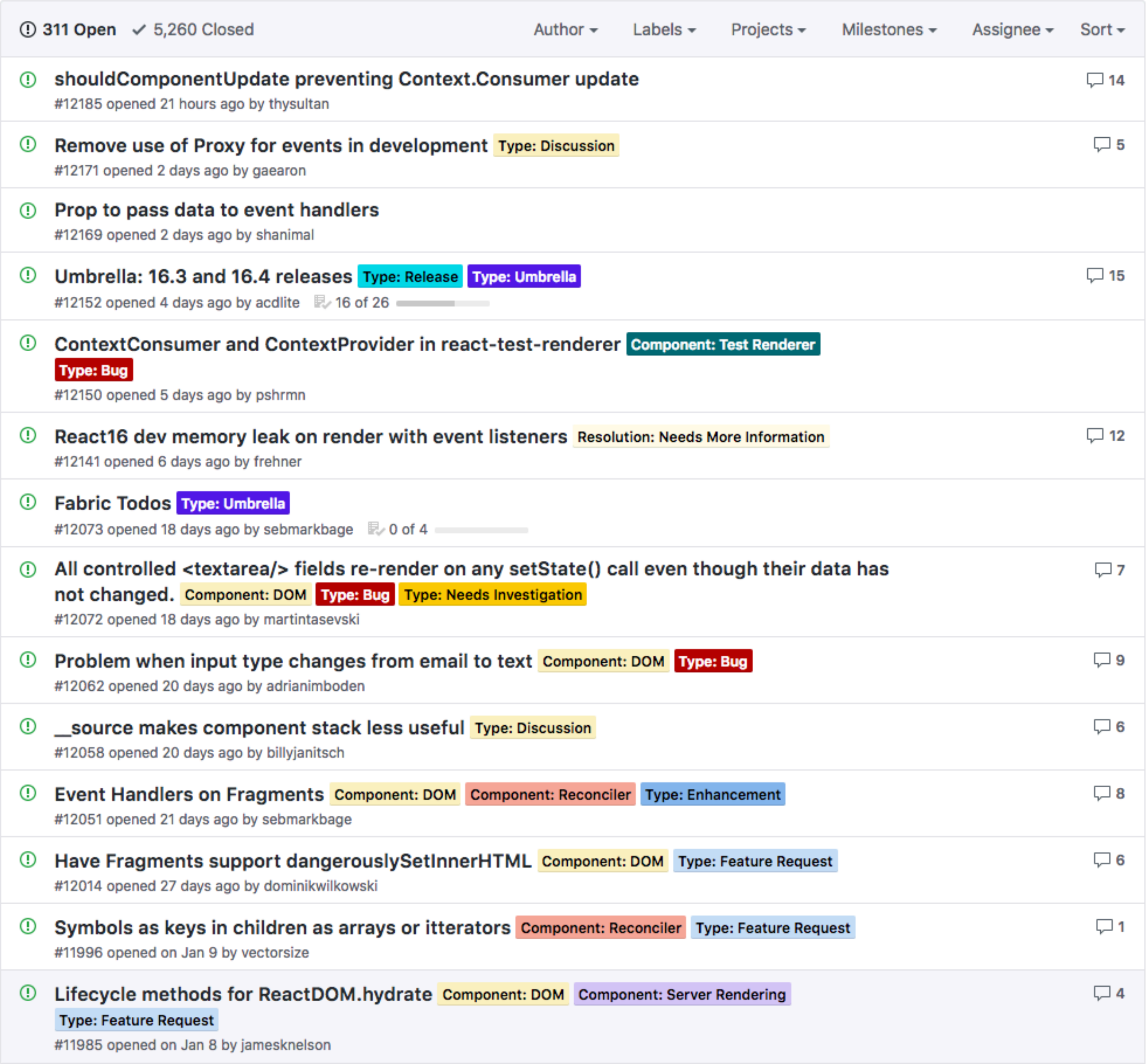
VNGRS

Front-End Challenge

Last update : 02/2018

Github Issues Take Home Challenge

The goal of this challenge is to recreate the Github issues table using the public Github API. Feel free to use any github repository https://github.com/<owner>/<repo>/issues



ⓘ 311 Open ✓ 5,260 Closed

ⓘ **shouldComponentUpdate preventing Context.Consumer update** — 💬 14
#12185 opened 21 hours ago by thysultan

ⓘ **Remove use of Proxy for events in development** Type: Discussion — 💬 5
#12171 opened 2 days ago by gaearon

ⓘ **Prop to pass data to event handlers**
#12169 opened 2 days ago by shanimal

ⓘ **Umbrella: 16.3 and 16.4 releases** Type: Release Type: Umbrella — 💬 15
#12152 opened 4 days ago by acdlite 16 of 26

ⓘ **ContextConsumer and ContextProvider in react-test-renderer** Component: Test Renderer Type: Bug
#12150 opened 5 days ago by pshrmn

ⓘ **React16 dev memory leak on render with event listeners** Resolution: Needs More Information — 💬 12
#12141 opened 6 days ago by frehner

ⓘ **Fabric Todos** Type: Umbrella
#12073 opened 18 days ago by sebmarkbage 0 of 4

ⓘ **All controlled <textarea/> fields re-render on any setState() call even though their data has not changed.** Component: DOM Type: Bug Type: Needs Investigation — 💬 7
#12072 opened 18 days ago by martintasevski

ⓘ **Problem when input type changes from email to text** Component: DOM Type: Bug — 💬 9
#12062 opened 20 days ago by adrianimboden

ⓘ **__source makes component stack less useful** Type: Discussion — 💬 6
#12058 opened 20 days ago by billyjanitsch

ⓘ **Event Handlers on Fragments** Component: DOM Component: Reconciler Type: Enhancement — 💬 8
#12051 opened 21 days ago by sebmarkbage

ⓘ **Have Fragments support dangerouslySetInnerHTML** Component: DOM Type: Feature Request — 💬 6
#12014 opened 27 days ago by dominikwilkowski

ⓘ **Symbols as keys in children as arrays or itterators** Component: Reconciler Type: Feature Request — 💬 1
#11996 opened on Jan 9 by vectorsize

ⓘ **Lifecycle methods for ReactDOM.hydrate** Component: DOM Component: Server Rendering Type: Feature Request — 💬 4
#11985 opened on Jan 8 by jamesknelson

Guidelines

1. You should use **React**, **Vue**, **Angular2+** or any other javascript libraries to solve this challenge.

2. Since time is limited (and important) we encourage you to use **create-react-app**,**vue-cli** another package which reduces the boilerplate needed to start a project. (Using your own webpack is a big plus)

3. The public github api returns all the data you need to complete the task.

For example here's the api endpoint for the facebook/react issues (https://api.github.com/repos/facebook/react/issues)

The response contains lots of goodies, so quite a bit can be implemented from a single fetch. This is nice since it cuts down on the tedium of tracking down the right endpoints and writing verbose boilerplate redux.

4. Since this is a sizable challenge, you may wish to lower the bar a little when it comes to styling.

5. Writing automated tests is highly encouraged.

Please provide examples tests for each area of functionality you implement. We would love to see examples of how you approach writing tests for stateless, and stateful components, and redux actions and reducers if you choose to use redux.

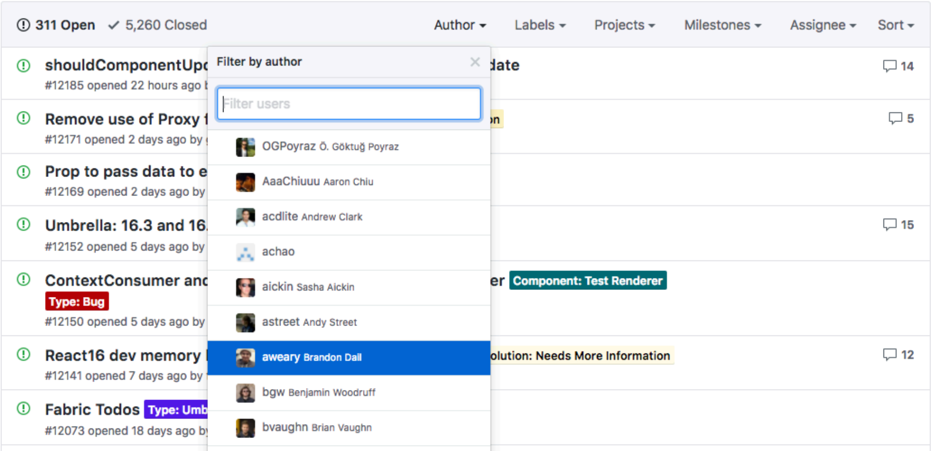
6. You should place emphasis on writing code that you're proud of. We would rather see you finish the first two sections (sections on the next page) but do an excellent job of it, rather than get through the bonus section and not write tests for instance.

Sections

1. Basic table of issues

- The following should be contained in each row: number, reporter, status, name, assignee, and labels.
- The dates should be humanized.
- Clicking on the row or the comments section should link to the issue detail page (the actual github one).
- The link to this page can be found in the api response.
- Assignee thumbnail urls can be found in the response and should ideally be added to the row.
- Label colors are found in the response and should be applied as the background color.

2. Header with filtering actions



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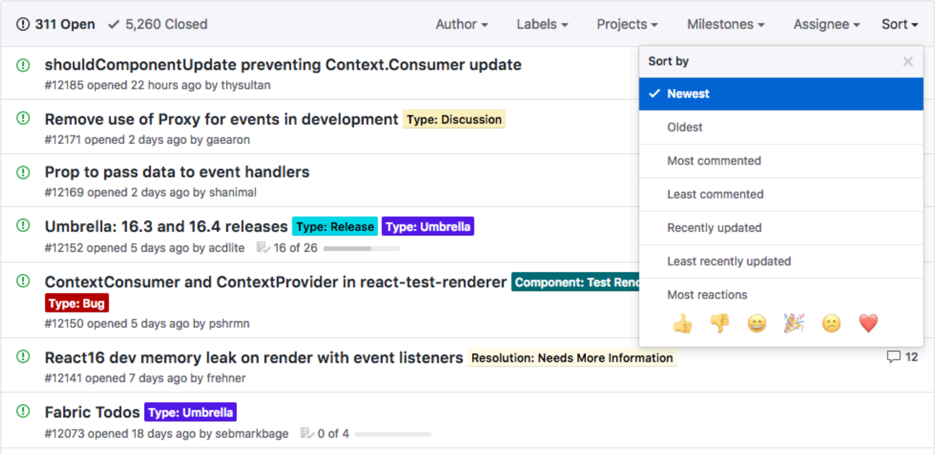
- Buttons should be added for Author and Label which launch drop-downs for filtering.
- Each dropdown should contain a list of rows which can be clicked to filter the table by that criteria.

3. Bonus: Sorting the table



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- Add the ability to sort by creation date, number of comments, and modified date.