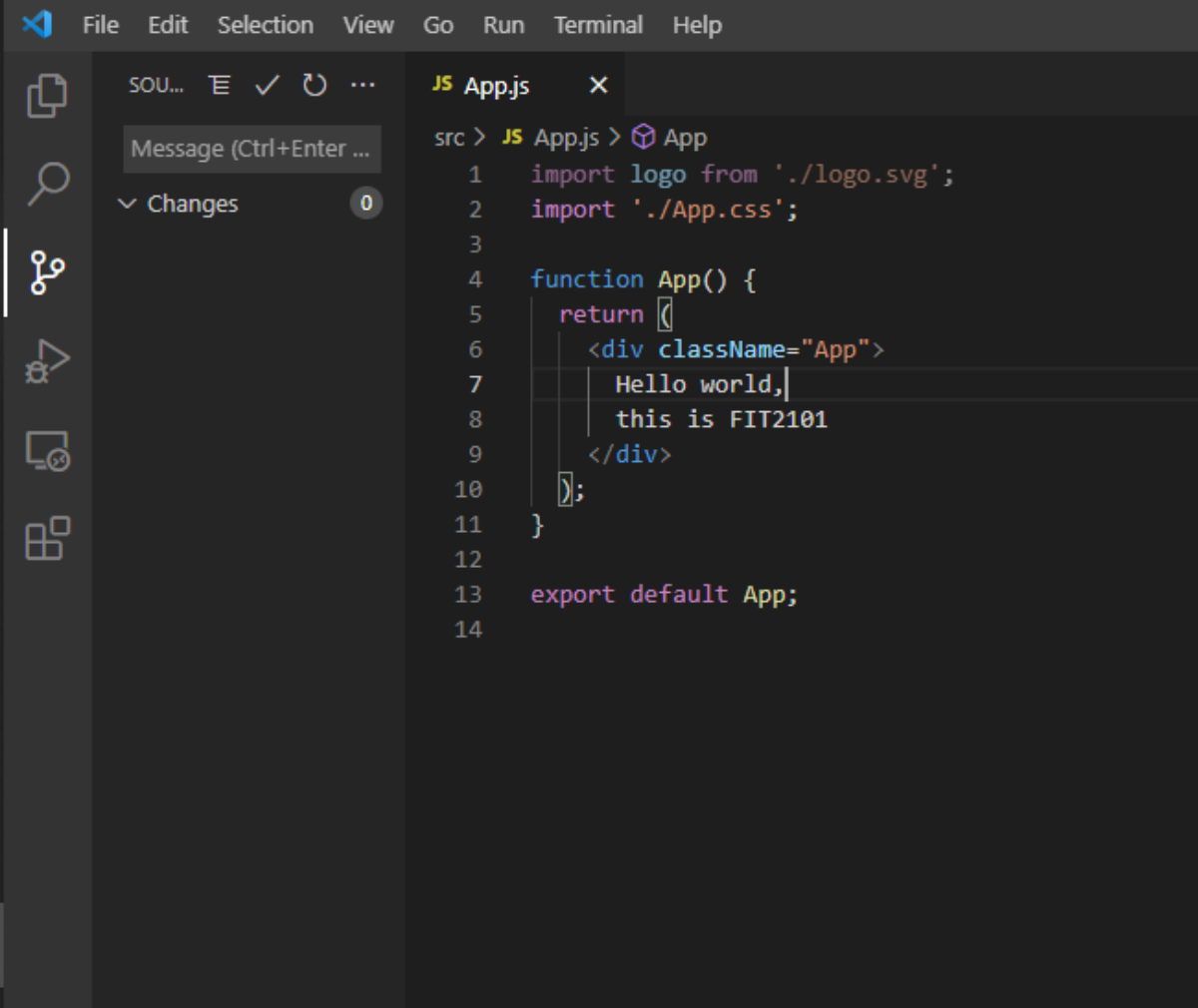**PROOF OF CONCEPT**

Summary

This proof of concept is to help members understand the steps required to deploy the react app with netlify as a host server.

Instructions:

Step 1:

Have react app ready to be built without occurring error. React app should be able to run Build and host on brower's localhost.

Step 2:

Publish projects to github or gitlab if you haven't. The React app can be hosted using github, however in this project, we will mostly work with gitlab, therefore it's more convenient to publish with netlify.

Step 3:

Go to https://app.netlify.com/ and create a new account with github or gitlab. Create a new team and click to "New site from Git".

timetable_app ⌄

Upgrade

Team overview   Sites   Builds   Plugins   Domains   Members   Audit log   Billing

Team settings

timetable_app Starter
Current billing period (Aug 17 to Sep 17)

Welcome back ✨

Bandwidth used
0 KB/100 GB

Build minutes used   →
0/300

Concurrent builds   →
0/1

Members   →
1

Sites →   New site from Git

serene-wiles-0796df   ›

epic-raman-21e7c0   ›

Step 4:

Choose Github or or Gitlab, depending on which git the project is located at. Netlify might ask you to login for the first time.
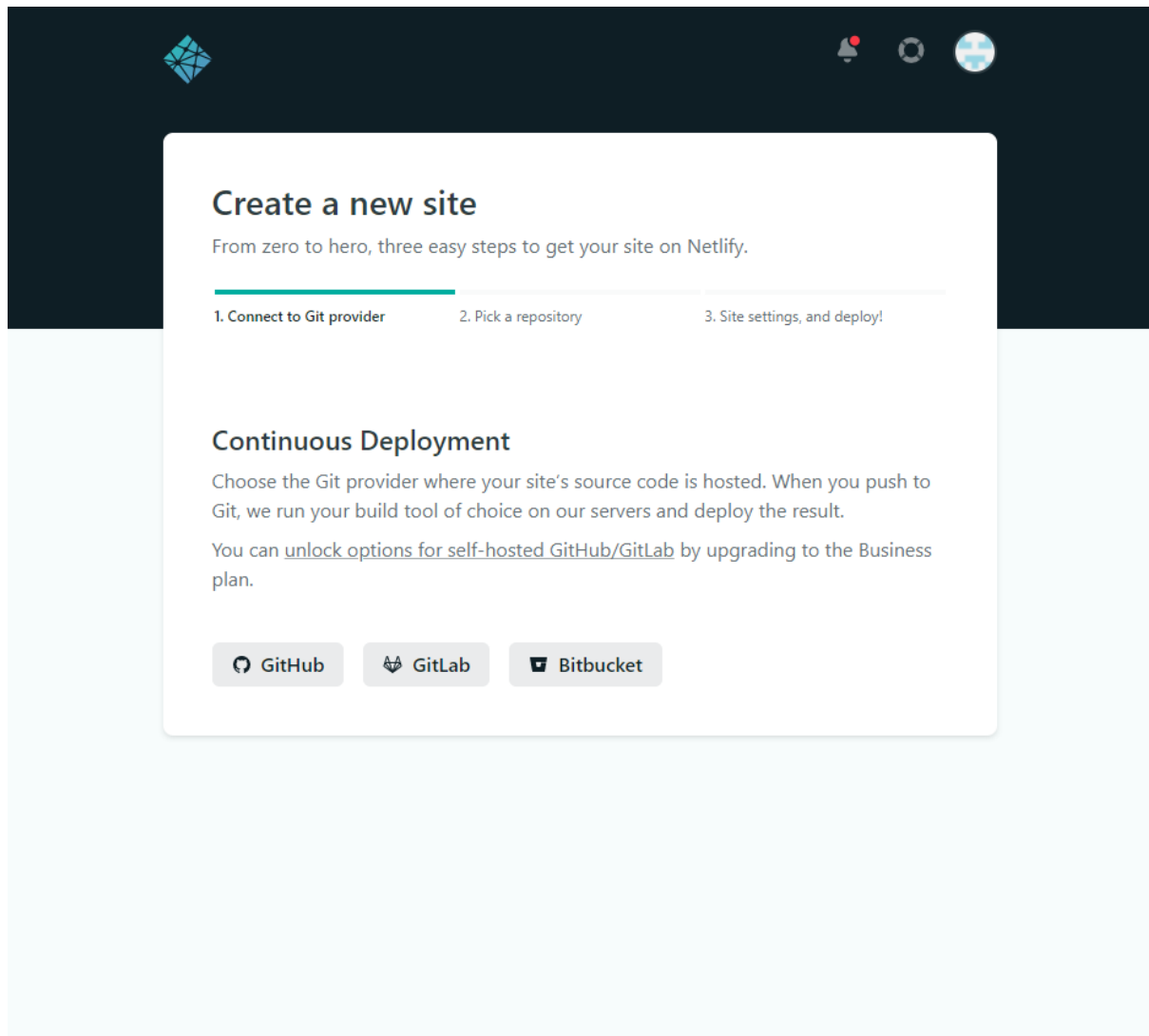
Step 5:

Go to site settings for the deployment, under "Build and deploy", change build command into:

CI= npm run build

Now we can deploy the app.

Create a new site

From zero to hero, three easy steps to get your site on Netlify.

| 1. Connect to Git provider | 2. Pick a repository | 3. Site settings, and deploy! |

Site settings for sttanminh/deploying_spike

Get more control over how Netlify builds and deploys your site with these settings.

Owner

    timetable_app

Branch to deploy

    master

Basic build settings

If you're using a static site generator or build tool, we'll need these settings to build your site.

Learn more in the docs ↗

    Base directory   ⓘ

Build command

    CI= npm run build   ⓘ

Publish directory

    build   ⓘ

    Show advanced

    Deploy site

Wait for the deploy log to finish, if any error occurs, carefully read and fix it.


```
Deploy log                                                    Preview

105    2:23:21 PM:    1.17 KB    build/static/js/runtime-main.01bd711c.js
106    2:23:21 PM:    556 B      build/static/css/main.a617e044.chunk.css
107    2:23:21 PM:    439 B      build/static/js/main.041228d2.chunk.js
108    2:23:21 PM: The project was built assuming it is hosted at /.
109    2:23:21 PM: You can control this with the homepage field in your package.json.
110    2:23:21 PM: The build folder is ready to be deployed.
111    2:23:21 PM: You may serve it with a static server:
112    2:23:21 PM:   npm install -g serve
113    2:23:21 PM:   serve -s build
114    2:23:21 PM: Find out more about deployment here:
115    2:23:21 PM:   https://cra.link/deployment
116    2:23:21 PM: Creating deploy upload records
117    2:23:21 PM:
118    2:23:21 PM: (build.command completed in 12.4s)
119    2:23:21 PM:
120    2:23:21 PM: ─────────────────────────────────────────────────
121    2:23:21 PM:   2. Deploy site
122    2:23:21 PM: ─────────────────────────────────────────────────
123    2:23:21 PM:
124    2:23:21 PM: Starting to deploy site from 'build'
125    2:23:21 PM: Creating deploy tree
126    2:23:21 PM: 10 new files to upload
127    2:23:21 PM: 0 new functions to upload
128    2:23:22 PM: Site deploy was successfully initiated
129    2:23:22 PM:
130    2:23:22 PM: (Deploy site completed in 501ms)
131    2:23:22 PM:
132    2:23:22 PM: ─────────────────────────────────────────────────
133    2:23:22 PM:   Netlify Build Complete
134    2:23:22 PM: ─────────────────────────────────────────────────
135    2:23:22 PM:
136    2:23:22 PM: (Netlify Build completed in 13s)
137    2:23:22 PM: Starting post processing
138    2:23:22 PM: Post processing - HTML
139    2:23:22 PM: Post processing - header rules
140    2:23:22 PM: Post processing - redirect rules
141    2:23:22 PM: Post processing done
142    2:23:22 PM: Caching artifacts
143    2:23:22 PM: Started saving node modules
144    2:23:22 PM: Finished saving node modules
145    2:23:22 PM: Started saving build plugins
146    2:23:22 PM: Finished saving build plugins
147    2:23:22 PM: Started saving pip cache
148    2:23:22 PM: Finished saving pip cache
149    2:23:22 PM: Started saving emacs cask dependencies
150    2:23:22 PM: Finished saving emacs cask dependencies
151    2:23:22 PM: Started saving maven dependencies
152    2:23:22 PM: Finished saving maven dependencies
153    2:23:22 PM: Started saving boot dependencies
154    2:23:22 PM: Site is live ✨
155    2:23:22 PM: Finished saving boot dependencies
156    2:23:22 PM: Started saving rust rustup cache
157    2:23:22 PM: Finished saving rust rustup cache
158    2:23:22 PM: Started saving go dependencies
159    2:23:22 PM: Finished saving go dependencies
160    2:23:25 PM: Build script success
161    2:23:50 PM: Finished processing build request in 1m39.301410574s
```

Go back to site overview, address for the deployed site will be below the site name: