리액트 프로젝트

Github Pages로 배포하기

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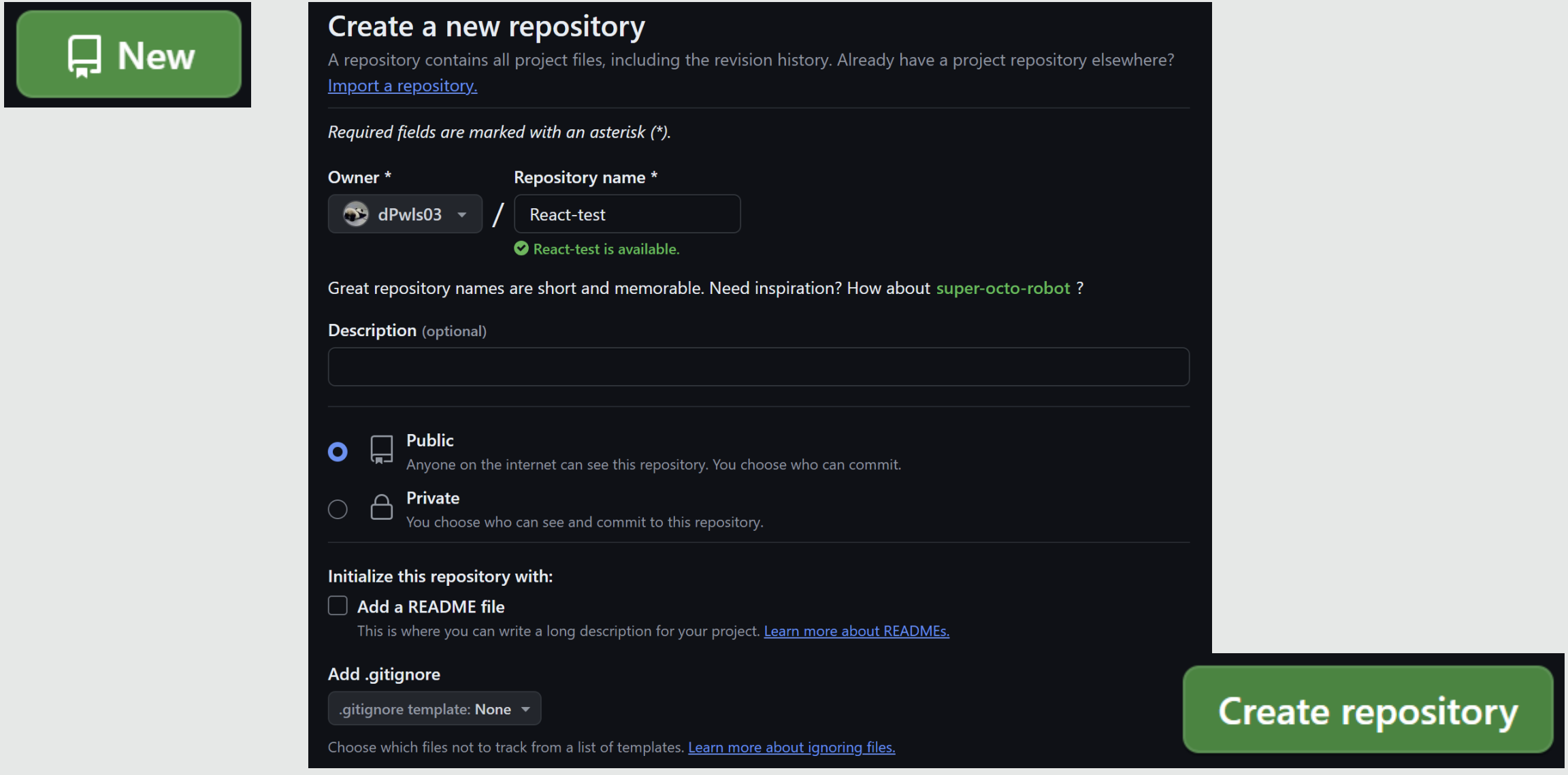
최예진

Github Pages?

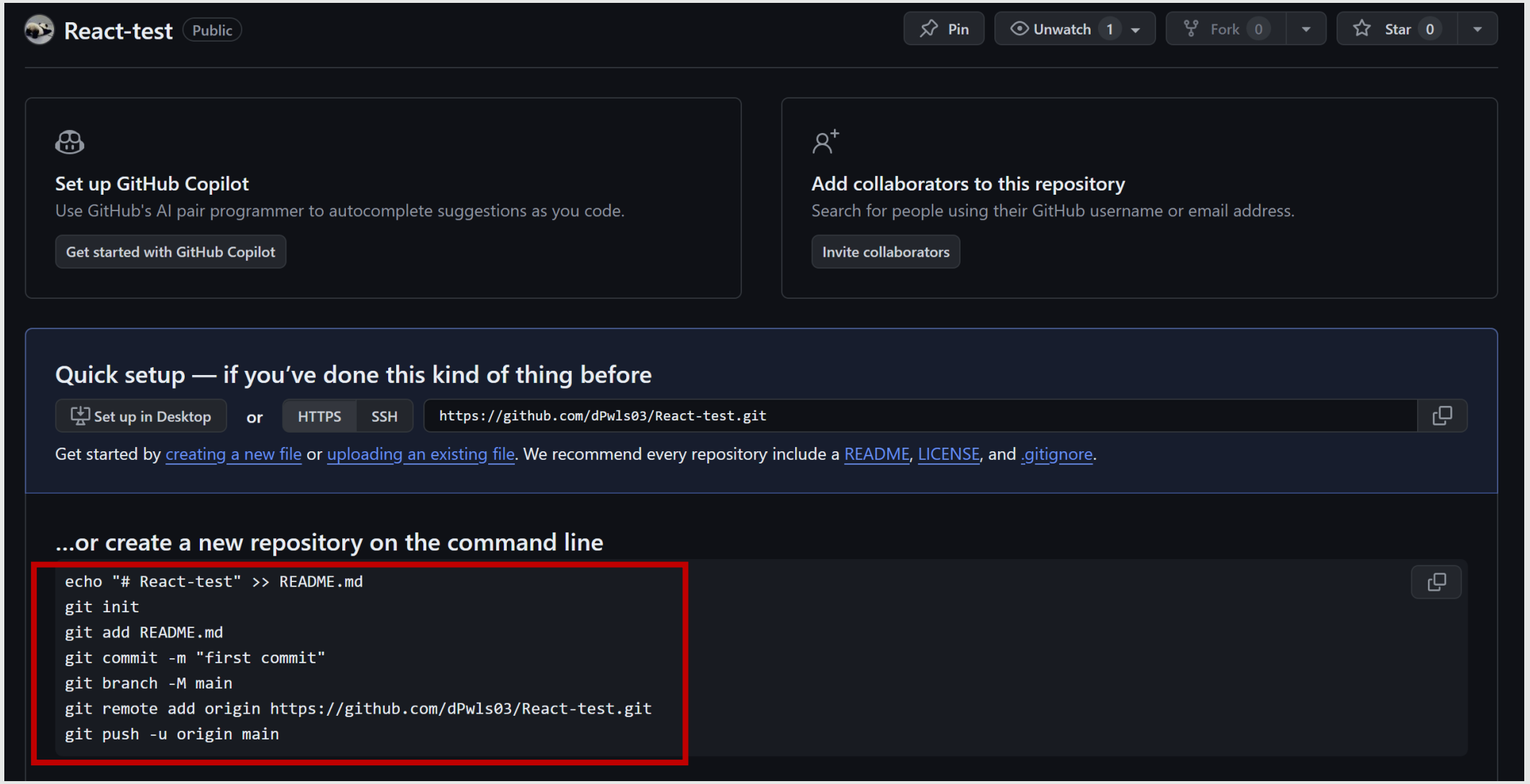
Github Pages란?

깃허브 사용자가 공개 레파지토리에서 호스팅을 이용할 수 있도록 한다.
깃허브 페이지는 기본적으로 HTML, CSS, JS로 구성된 파일을 구동하고 배포해
static 웹 사이트를 호스팅 할 수 있게 해주는 서비스이다.

새 레파지토리 만들기


New
Create a new repository
A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.
Required fields are marked with an asterisk (*).
Owner *
dPwls03
/
Repository name *
React-test
React-test is available.
Great repository names are short and memorable. Need inspiration? How about super-octo-robot ?
Description (optional)
Public
Anyone on the internet can see this repository. You choose who can commit.
Private
You choose who can see and commit to this repository.
Initialize this repository with:
Add a README file
This is where you can write a long description for your project. Learn more about READMEs.
Add .gitignore
.gitignore template: None
Choose which files not to track from a list of templates. Learn more about ignoring files.
Create repository

프로젝트 준비 & 깃허브 연결

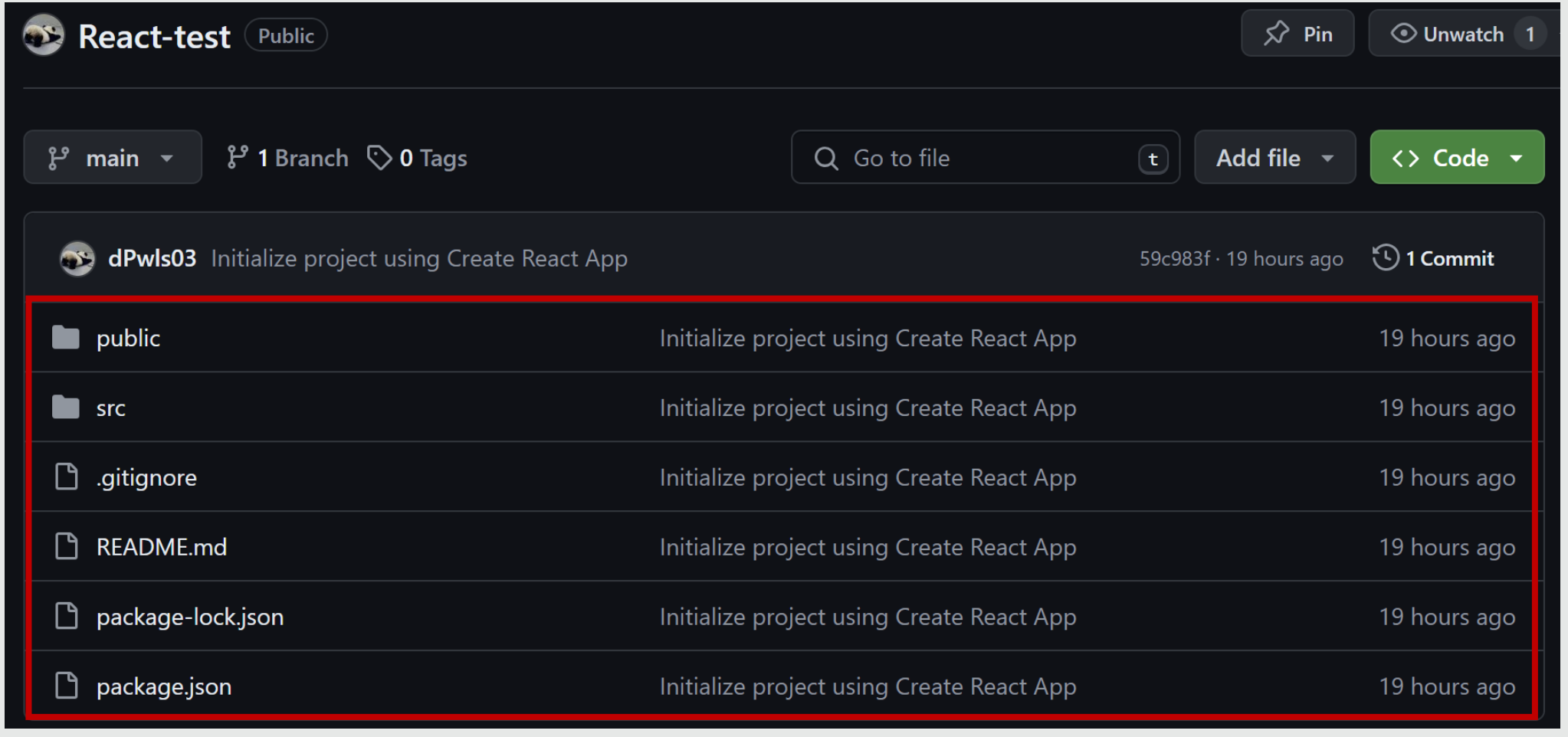


프로젝트 준비 & 깃허브 연결

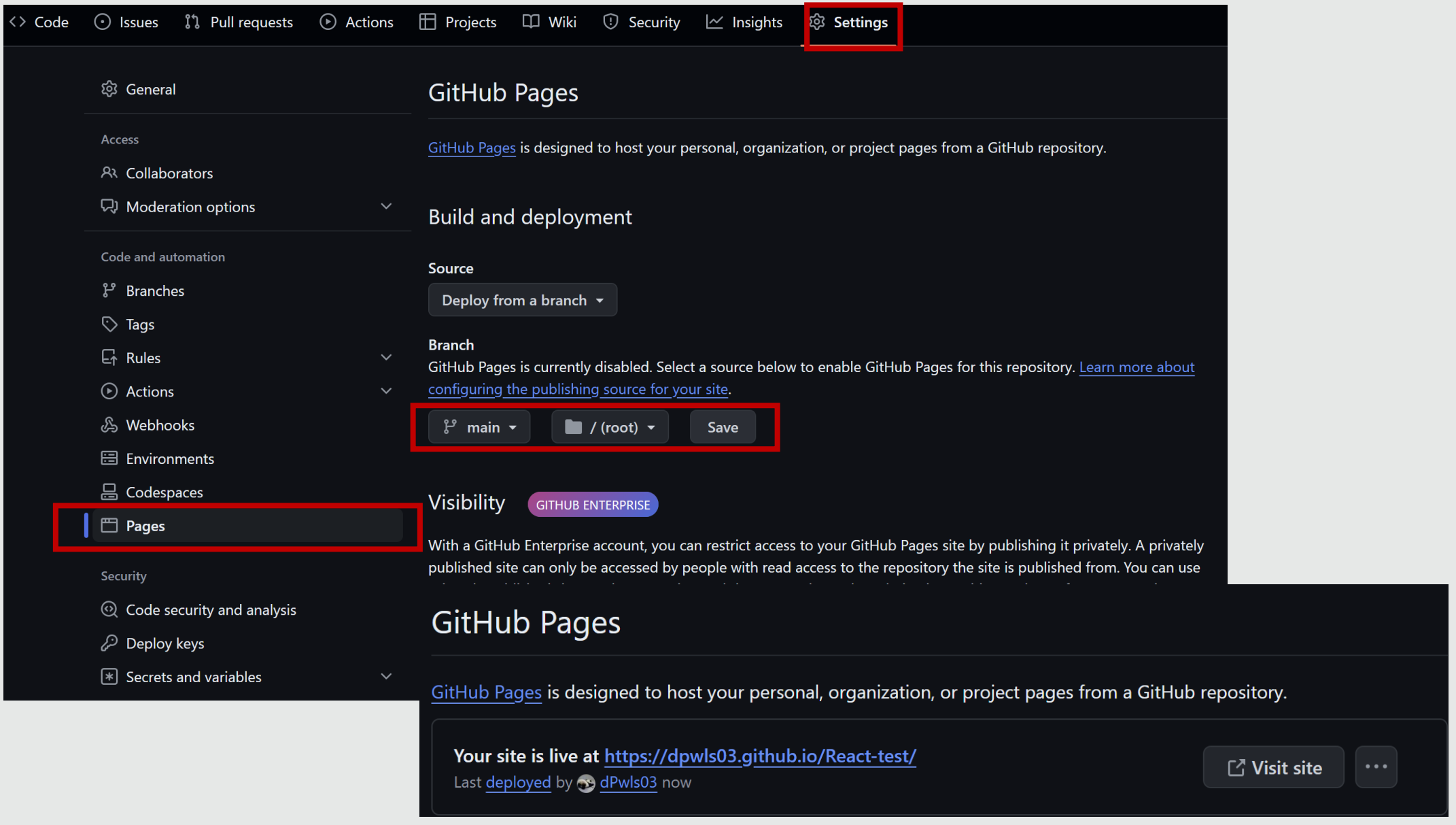
```
C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>git init
Reinitialized existing Git repository in C:/Users/최예진/Desktop/프로그래밍 언어/React/0520/test/.git/

C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>git a
dd README.md

C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>git c
ommit -m "first commit"
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   package.json
        modified:   src/App.js

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        src/TodoContext.js
        src/components/
        yarn.lock

no changes added to commit (use "git add" and/or "git commit -a")
C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>git b
ranch -M main

C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>git r
emote add origin https://github.com/dPwls03/React-test.git

C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>git p
ush -u origin main
Enumerating objects: 22, done.
Counting objects: 100% (22/22), done.
Delta compression using up to 22 threads
Compressing objects: 100% (22/22), done.
Writing objects: 100% (22/22), 180.18 KiB | 8.19 MiB/s, done.Total 22 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/dPwls03/React-test.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

프로젝트 준비 & 깃허브 연결

깃허브 새로고침



웹 호스팅


Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
General
Access
Collaborators
Moderation options
Code and automation
Branches
Tags
Rules
Actions
Webhooks
Environments
Codespaces
Pages
Security
Code security and analysis
Deploy keys
Secrets and variables
GitHub Pages
GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.
Build and deployment
Source
Deploy from a branch
Branch
GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository. Learn more about configuring the publishing source for your site.
main
/ (root)
Save
Visibility
GITHUB ENTERPRISE
With a GitHub Enterprise account, you can restrict access to your GitHub Pages site by publishing it privately. A privately published site can only be accessed by people with read access to the repository the site is published from. You can use
GitHub Pages
GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.
Your site is live at https://dpwls03.github.io/React-test/
Last deployed by dPwls03 now
Visit site

프로젝트에 gh-pages 패키지 설치

```
npm install gh-pages

(또는 yarn 사용시)
yarn add gh-pages
```

```
C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>npm install gh-pages
npm WARN deprecated workbox-cacheable-response@6.6.0: workbox-background-sync@6.6.0
npm WARN deprecated workbox-google-analytics@6.6.0: It is not compatible with newer versions of GA starting with v4, as long as you are using GAv3 it should
be ok, but the package is not longer being maintained
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.

added 322 packages, removed 84 packages, changed 110 packages, and audited 1580 packages in 21s

265 packages are looking for funding
  run `npm fund` for details

8 vulnerabilities (2 moderate, 6 high)

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
```

```
C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\test>yarn add gh-pages
yarn add v1.22.19
warning package.json: "test" is also the name of a node core module
warning package-lock.json found. Your project contains lock files generated by tools other than Yarn. It is advised not to mix package managers in order to a
void resolution inconsistencies caused by unsynchronized lock files. To clear this warning, remove package-lock.json.
warning test@0.1.0: "test" is also the name of a node core module
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
warning " > @testing-library/user-event@13.5.0" has unmet peer dependency "@testing-library/dom@>=7.21.4".
warning "react-scripts > eslint-config-react-app > eslint-plugin-flowtype@8.0.3" has unmet peer dependency "@babel/plugin-syntax-flow@^7.14.5".
warning "react-scripts > eslint-config-react-app > eslint-plugin-flowtype@8.0.3" has unmet peer dependency "@babel/plugin-transform-react-jsx@^7.14.9".
warning "react-scripts > react-dev-utils > fork-ts-checker-webpack-plugin@6.5.3" has unmet peer dependency "typescript@>= 2.7".
warning "react-scripts > eslint-config-react-app > @typescript-eslint/eslint-plugin > tsutils@3.21.0" has unmet peer dependency "typescript@>=2.8.0 || >= 3.2
.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta".
[4/4] Building fresh packages...
success Saved lockfile.
warning test@0.1.0: "test" is also the name of a node core module
success Saved 1 new dependency.
info Direct dependencies
└─ gh-pages@6.1.1
info All dependencies
└─ gh-pages@6.1.1
Done in 74.55s.
```

package.json 추가

homepage 추가

"homepage" : "http://사용자이름.github.io/레파토리지이름/"

scripts 추가

"script" : {

"predeploy": "npm run build",

"deploy: "gh-pages –d build"

},

```
"scripts": {
  "start": "react-scripts start",
  "build": "react-scripts build",
  "test": "react-scripts test",
  "eject": "react-scripts eject",
  "predeploy": "npm run build",
  "deploy": "gh-pages -d build"
},
```

```
"homepage": "https://dpwls03.github.io/React-test/",
```

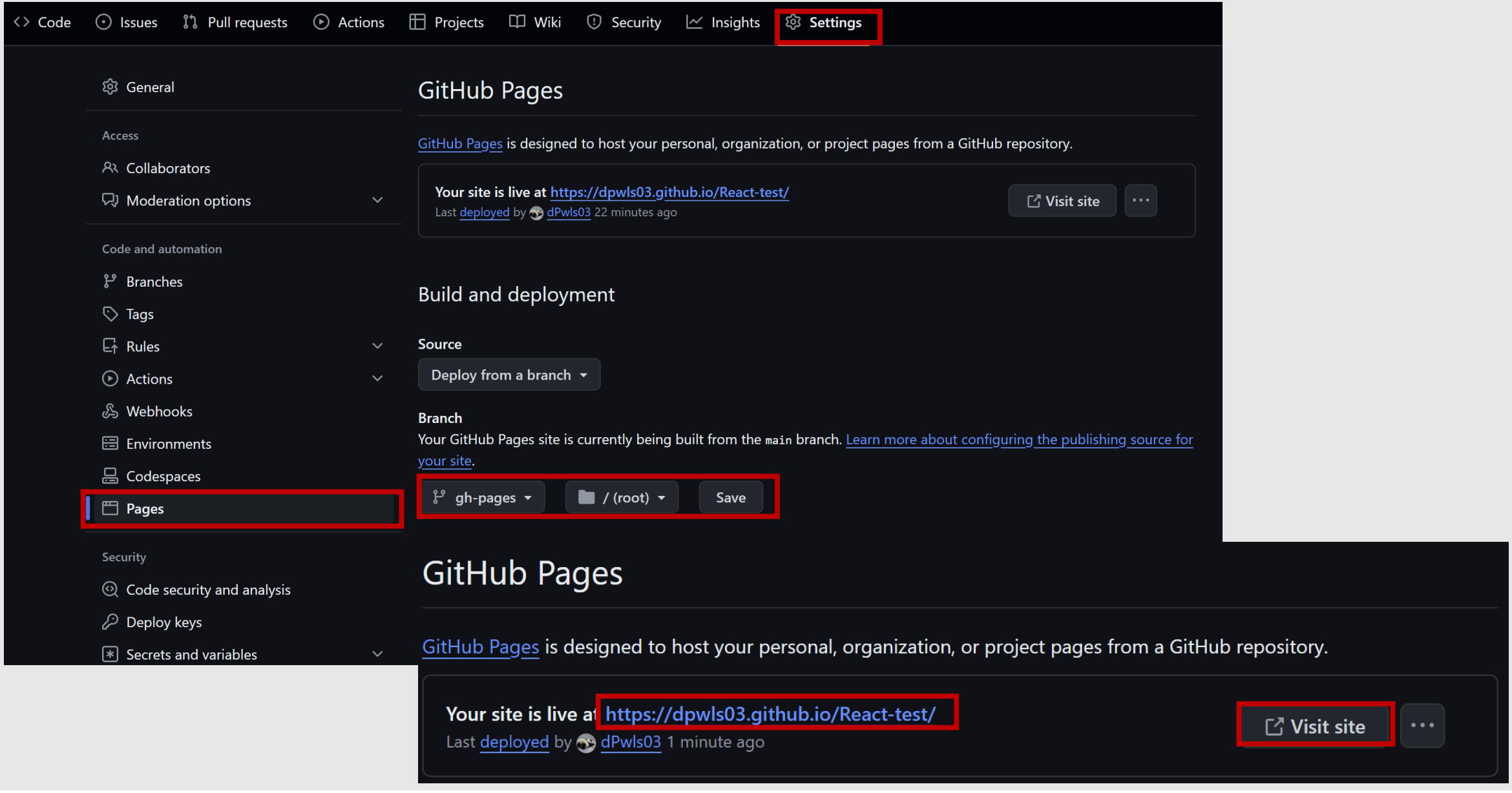
배포하기

배포하기

npm run deploy

```
C:\Users\최예진\Desktop\프로그래밍 언어\React\0520\tes>npm run deploy

> test@0.1.0 predeploy
> npm run build


> test@0.1.0 build
> react-scripts build

Creating an optimized production build...
One of your dependencies, babel-preset-react-app, is importing the
"@babel/plugin-proposal-private-property-in-object" package without
declaring it in its dependencies. This is currently working because
"@babel/plugin-proposal-private-property-in-object" is already in your
node_modules folder for unrelated reasons, but it may break at any time.

babel-preset-react-app is part of the create-react-app project, which
is not maintianed anymore. It is thus unlikely that this bug will
ever be fixed. Add "@babel/plugin-proposal-private-property-in-object" to
your devDependencies to work around this error. This will make this message
go away.

Compiled successfully.

File sizes after gzip:

  60.06 kB  build\static\js\main.5e89b50a.js
  1.77 kB   build\static\js\453.56f46472.chunk.js
  263 B     build\static\css\main.e6c13ad2.css

The project was built assuming it is hosted at /React-test/.
You can control this with the homepage field in your package.json.

The build folder is ready to be deployed.

Find out more about deployment here:

  https://cra.link/deployment


> test@0.1.0 deploy
> gh-pages -d build

Published
```

배포 확인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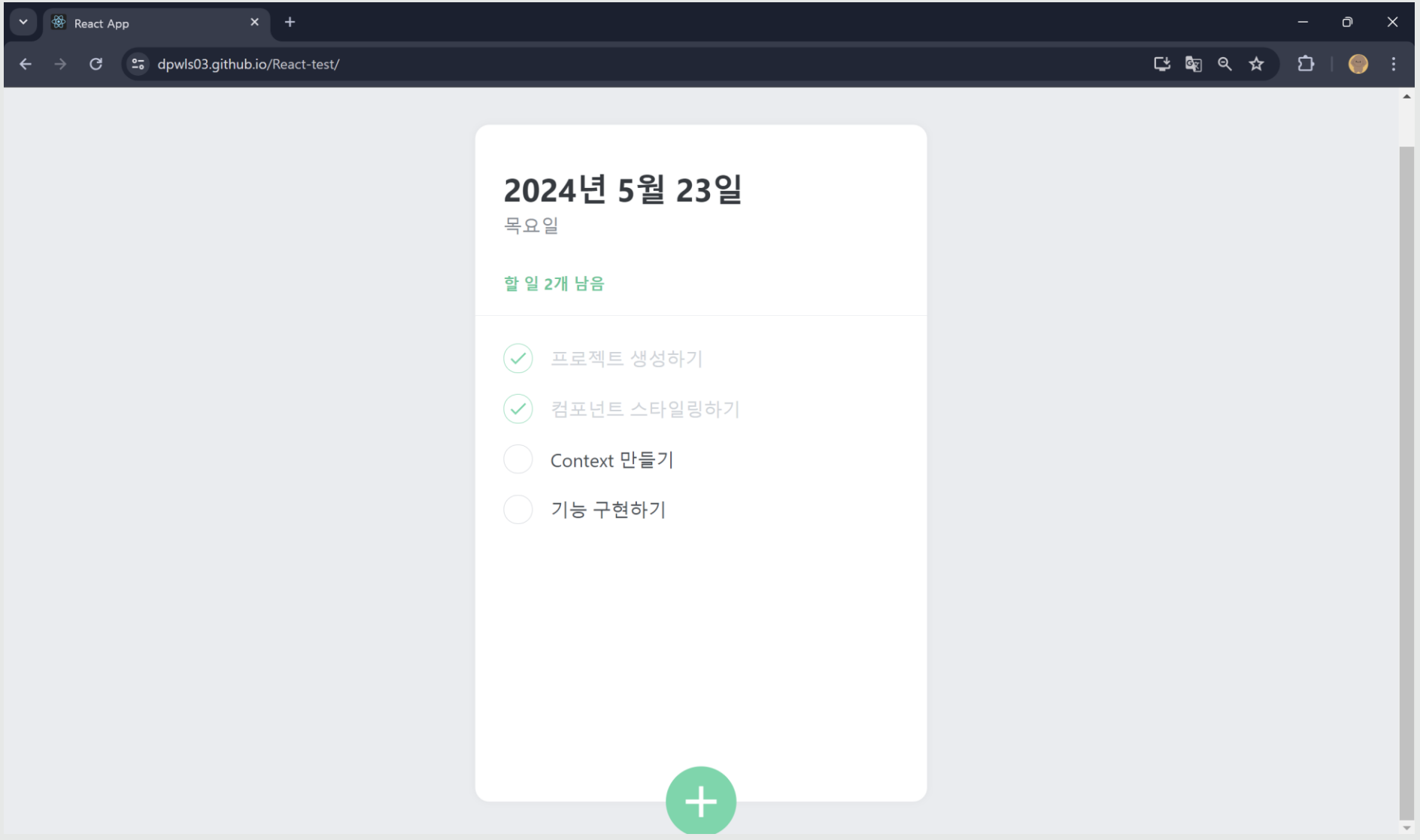
Deploy keys
Secrets and variables
GitHub Pages
GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.
Your site is live at https://dpwls03.github.io/React-test/
Last deployed by dPwls03 22 minutes ago
Visit site
Build and deployment
Source
Deploy from a branch
Branch
Your GitHub Pages site is currently being built from the main branch. Learn more about configuring the publishing source for your site.
gh-pages
/ (root)
Save
GitHub Pages
GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.
Your site is live at https://dpwls03.github.io/React-test/
Last deployed by dPwls03 1 minute ago
Visit site

배포 확인


React App
dpwls03.github.io/React-test/
2024년 5월 23일
목요일
할 일 2개 남음
프로젝트 생성하기
컴포넌트 스타일링하기
Context 만들기
기능 구현하기

Reference

https://medium.com/hcleedev/web-react-프로젝트-github-pages로-배포하기-f62e59a2e210

https://whales.tistory.com/104

https://min88.tistory.com/entry/React-프로젝트-githubPages로-배포하기

https://velog.io/@bami/React-GitHub-Pages에-배포하기

감사

합니다!