

React Codelab Day1



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Overview



Overview

Feature

- Create Todo.
- Get Todo list.
- Update Todo.
- Toggle Todo.
- Delete Todo.

With Firebase Realtime Database !!

Overview

Main Target

- Design component in Todo App.
- Design state and props in each component.
- Implement Todo App features.

Overview

Optional Target

- Use Git and Github.
- Pair Programming.
- Deploy web with Firebase Hosting.

Warm Up

- Create new project with create-react-app.
- Install dependencies in Project.
- Add Git in project.
- Create new Github repository.
- Create new Firebase project.

Warm Up

Create React App

Create React apps with no build configuration.



Welcome to React

To get started, edit `src/App.js` and save to reload.

Warm Up

Create React App

- `npm start` — start project (develop mode).
- `npm test` — run unit test with jest.
- `npm run build` — build files html, css, js for production.
- `npm run eject` — show setup of project (one more time).

Warm Up

Dependencies with npm

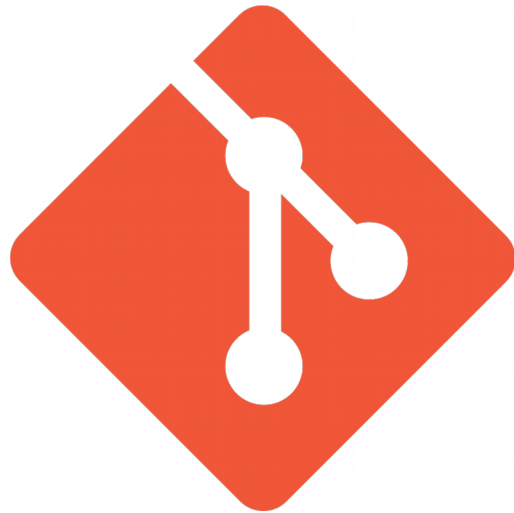
- **prop-types** — runtime type checking for React props and similar objects.
- **firebase** — provides the tools and infrastructure you need to develop, grow, and earn money from your app.

Warm Up

Do you have Git in Project?

See “.git” in project.


*** git is hidden folder




git

Warm Up

Do you have repository in Github?



[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)


[+](#) 

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner


Repository name


 **VatNan** ▾

 /

Great repository names are short and memorable. Need inspiration? How about [effective-octo-adventure](#).

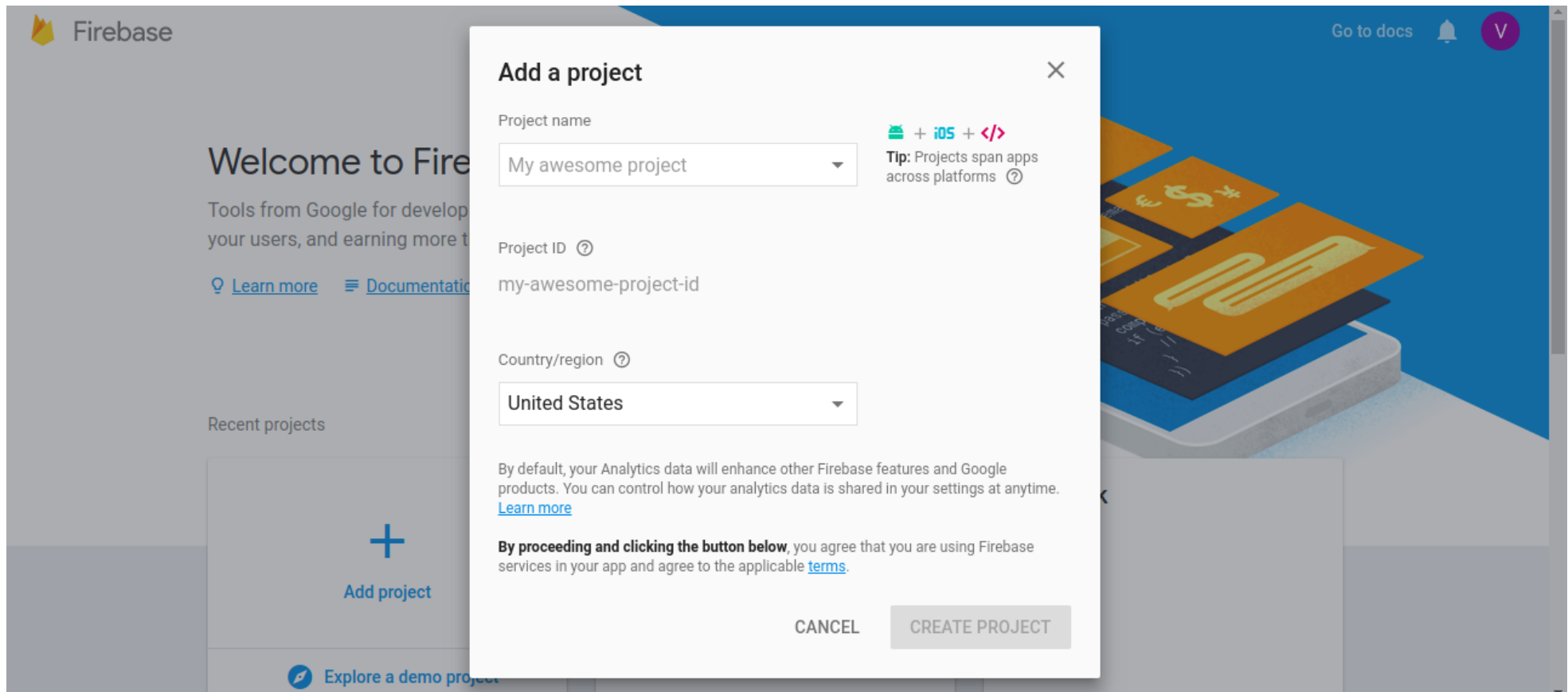
Description (optional)

☒  **Public**
Anyone can see this repository. You choose who can commit.

☐  **Private**
You choose who can see and commit to this repository.

Warm Up

Do you have Firebase project?



The image shows the 'Add a project' dialog box in the Firebase console. The dialog is white with a blue header bar. It contains the following fields and text:

- Project name:** A dropdown menu with the text 'My awesome project'.
- Project ID:** A text field with the text 'my-awesome-project-id'.
- Country/region:** A dropdown menu with the text 'United States'.
- Tip:** Projects span apps across platforms (with a help icon).
- Disclaimer:** By default, your Analytics data will enhance other Firebase features and Google products. You can control how your analytics data is shared in your settings at anytime. [Learn more](#)
- Agreement:** By proceeding and clicking the button below, you agree that you are using Firebase services in your app and agree to the applicable [terms](#).
- Buttons:** 'CANCEL' and 'CREATE PROJECT'.

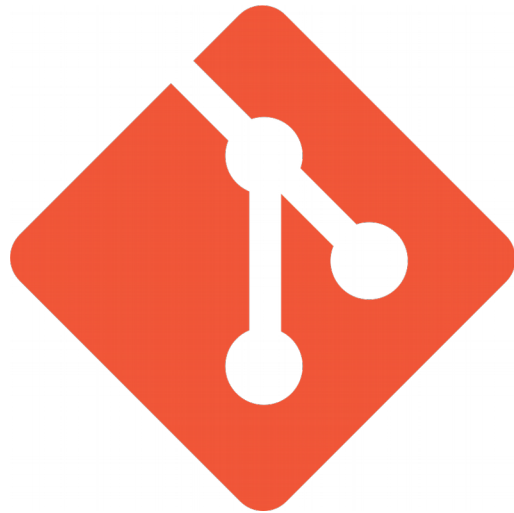
The background of the console shows the 'Welcome to Firebase' message, a '+ Add project' button, and a 'Recent projects' section.

Warm Up

Do you have Git in Project?

See “.git” in project.

*** git is hidden folder



git

Agreement

- Pair Programming.
- Seeing and Coding.
- Step by Step.
- Understand problem and Learning with error.

Coding



Do you love to write code?

Coding



Yes, I love it.

Coding

Let's do it.

Reference

- Nodepad online:
<https://notepad.pw/codelab-react-day1>
- Create React App:
<https://github.com/facebook/create-react-app>
- PropTypes:
<https://github.com/facebook/prop-types>
- Firebase JavaScript SDK:
<https://github.com/firebase/firebase-js-sdk>

Reference

- Firebase Realtime Database:
<https://firebase.google.com/docs/database/>
- Firebase Hosting:
<https://firebase.google.com/docs/hosting/>

Coding

Let's do it.

Reference

- Inspired by:
<https://github.com/michaelcheng429/react-tutorial-todos>

