Laporan − Firebase-realtime

Pemograman berbasis framework

30 April 2020

1741720210

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TI-3A

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime>npm install react-router-dom
npm WARN saveError ENOENT: no such file or directory, open 'D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realti
me\package.json'
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN enoent ENOENT: no such file or directory, open 'D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime\
package.json'
npm WARN react-router-dom@5.1.2 requires a peer of react@>=15 but none is installed. You must install peer dependencies yourself.
npm WARN react-router@5.1.2 requires a peer of react@>=15 but none is installed. You must install peer dependencies yourself.
npm WARN mini-create-react-context@0.3.2 requires a peer of react@^0.14.0 || ^15.0.0 || ^16.0.0 but none is installed. You must insta
ll peer dependencies yourself.
npm WARN firebase-realtime No description
npm WARN firebase-realtime No repository field.
npm WARN firebase-realtime No README data
npm WARN firebase-realtime No license field.

+ react-router-dom@5.1.2
added 19 packages from 11 contributors and audited 52 packages in 6.631s
found 0 vulnerabilities


D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime>
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime>cd database-realtime

D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime\database-realtime>npm install --save firebase
npm WARN registry Unexpected warning for https://registry.npmjs.org/: Miscellaneous Warning ETIMEDOUT: request to https://registry.np
mjs.org/@firebase%2fperformance failed, reason: connect ETIMEDOUT 104.16.19.35:443
npm WARN registry Using stale package data from https://registry.npmjs.org/ due to a request error during revalidation.
npm ERR! Unexpected end of JSON input while parsing near '...80405.0.0","gulp":"4.'

npm ERR! A complete log of this run can be found in:
npm ERR!     C:\Users\Epis Kuswono\AppData\Roaming\npm-cache\_logs\2020-04-30T02_14_15_359Z-debug.log
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime\database-realtime>npm install bootstrap
npm WARN react-scripts@3.4.1 requires a peer of typescript@^3.2.1 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of node-sass@^4.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of sass@^1.3.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of fibers@>= 3.1.0 but none is installed. You must install peer dependencies yourself.
npm WARN tsutils@3.17.1 requires a peer of 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 but none is installed. You must install peer dependencies yourself.
npm WARN bootstrap@4.4.1 requires a peer of jquery@1.9.1 - 3 but none is installed. You must install peer dependencies yourself.
npm WARN bootstrap@4.4.1 requires a peer of popper.js@^1.16.0 but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current:
{"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
{"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
{"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
{"os":"win32","arch":"x64"})

+ bootstrap@4.4.1
added 1 package from 2 contributors and audited 931400 packages in 32.386s
found 0 vulnerabilities
```

Mari kita mulai dengan nama project Anda⊙

Nama project

ReactJS

✏ reactjs-39b2f

Lanjutkan

untuk project Firebase Anda

Google Analytics adalah solusi analisis gratis dan tak terbatas yang memungkinkan penargetan, pelaporan, dan lainnya dalam Firebase Crashlytics, Cloud Messaging, In-App Messaging, Remote Config, Pengujian A/B, Prediction, dan Cloud Functions.

Google Analytics memungkinkan:

🧪 Pengujian A/B ⊙   ⚙ Pengguna bebas error ⊙

⊗ Segmentasi & penargetan pengguna pada   👆 Pemicu Cloud Functions berbasis
   produk Firebase ⊙   peristiwa ⊙

✨ Memprediksi perilaku pengguna ⊙   ▁▄ Pelaporan gratis dan tanpa batas ⊙

🔵 Aktifkan Google Analytics untuk project ini
    Direkomendasikan

Sebelumnya   **Lanjutkan**

Konfigurasi Google Analytics

Pilih atau buat akun Google Analytics ⓘ

episkuswono@gmail.com

Secara otomatis membuat properti baru di akun ini ✏

Setelah project dibuat, properti Google Analytics baru akan dibuat dalam akun Google Analytics yang Anda pilih dan terhubung dengan project Firebase Anda. Link ini akan mengaktifkan aliran data antarproduk. Data yang diekspor dari properti Google Analytics Anda ke Firebase tunduk pada persyaratan layanan Firebase, sedangkan data Firebase yang diimpor ke Google Analytics tunduk pada persyaratan layanan Google Analytics. Pelajari lebih lanjut.

Sebelumnya   Buat project

1 Daftarkan aplikasi

Nama aplikasi ⓘ

firebase-login-app

☐ Siapkan juga **Firebase Hosting** untuk aplikasi ini. Pelajari lebih lanjut ↗
Hosting juga dapat disiapkan nanti. Gratis untuk memulai kapan saja.

Daftarkan aplikasi

2 Tambahkan Firebase SDK

ReactJS ▼

✉ Dapatkan info terbaru melalui email tentang fitur, riset, da

ReactJS (Paket Spark)

</> firebase-login-app   + Tambahkan aplikasi

8. Konfigurasi inilah yang akan terus kita gunakan saat berinteraksi dengan API Firebase yang telah kita buat.

Aplikasi web

</> firebase-login-app

Nama aplikasi

firebase-login-app ✏️

ID Aplikasi ⑦

1:636857133268:web:8e5b46b8c7ad19cdd37341

Link ke situs Firebase Hosting

Firebase SDK snippet

○ CDN ⑦   ⦿ Config ⑦

Copy-paste skrip ini ke bagian bawah tag <body> Anda, tetapi sebelum Anda menggunakan layanan Firebase apa pun:

```
const firebaseConfig = {
  apiKey: "AIzaSyCXRnVg4YsnftCEn4I18hwcA4F9aXhABLE",
  authDomain: "reactjs-39b2f.firebaseapp.com",
  databaseURL: "https://reactjs-39b2f.firebaseio.com",
  projectId: "reactjs-39b2f",
  storageBucket: "reactjs-39b2f.appspot.com",
  messagingSenderId: "636857133268",
  appId: "1:636857133268:web:8e5b46b8c7ad19cdd37341",
  measurementId: "G-HLKK6Q2KTH"
};
```

Hapus aplikasi ini

ReactJS ▾

Database   ≋ Cloud Firestore ▾

Data   Aturan   Indeks   Penggunaan

🏠

≋ reactjs-39b2f

\+ Mulai koleksi

```jsx
import React, {Component} from "react";
import './BlogPost.css';
import Post from "../../component/BlogPost/Post";
/*import API from "../../services";*/
import firebase from "firebase";
import firebaseConfig from "../../firebase/config";


class BlogPost extends Component{
    constructor(props){
        super(props);
        firebase.initializeApp(firebaseConfig);


        this.state = {
            listArtikel: []
        }
    }

    ambilDataDariServerAPI = () => {                          // fungsi untuk mengambil data dari API dengan penambahan sor
        let ref = firebase.database().ref("/");
        ref.on("value", snapshot => {
            const state = snapshot.val();
            this.setState(state);
        });
    }

    simpanDataKeServerAPI = () => {
        firebase.database()
        .ref("/")
        .set(this.state);
    }

    componentDidMount() {              // komponen untuk mengecek ketika compnent telah di-mount-ing, maka panggil API
        this.ambilDataDariServerAPI()  // ambil data dari server API lokal
    }

    componentDidUpdate(prevProps, prevState) {
        if(prevState !== this.state){
            this.simpanDataKeServerAPI();
        }
    }

    handleHapusArtikel = (idArtikel) => {          // fungsi yang meng-handle button action hapus data
        const {listArtikel} = this.state;
        const newState = listArtikel.filter(data => {
            return data.uid !== idArtikel;
        });
        this.setState({listArtikel: newState});
    }
```

```jsx
handleTombolSimpan = (event) => {            // fungsi untuk meng-handle tombol simpan
    let title = this.refs.judulArtikel.value;
    let body = this.refs.isiArtikel.value;
    let uid = this.refs.uid.value;

    if(uid && title && body) {
        const {listArtikel} = this.state;
        const indeksArtikel = listArtikel.findIndex(data => {
            return data.uid === uid;
        });
        listArtikel[indeksArtikel].title = title;
        listArtikel[indeksArtikel].body = body;
        this.setState({listArtikel});
    }else if(title && body) {
        const uid = new Date().getTime().toString();
        const {listArtikel} = this.state;
        listArtikel.push({uid, title, body});
        this.setState({listArtikel});
    }

    this.refs.judulArtikel.value = "";
    this.refs.isiArtikel.value = "";
    this.refs.uid.value = "";
}

render() {
    return(
        <div className="post-artikel">
            <div className="form pb-2 border-bottom">
                <div className="form-group row">
                    <label htmlFor="title" className="col-sm-2 col-form-label">Judul</label>
                    <div className="col-sm-10">
                        <input type="text" className="form-control" id="title" name="title" ref="judulArtikel"/
                    </div>
                </div>
                <div className="form-group row">
                    <label htmlFor="body" className="col-sm-2 col-form-label">Isi</label>
                    <div className="col-sm-10">
                        <textarea className="form-control" id="body" name="body" rows="3" ref="isiArtkel"></tex
                    </div>
                </div>
                <button type="submit" className="btn btn-primary" onClick={this.handleTombolSimpan}>Simpan</but
            </div>
            <h2>Daftar Artikel</h2>
            {
                this.state.listArtikel.map(artikel => {  // looping dan masukkan untuk setiap data yang ada di
                    return <Post key={artikel.id} judul={artikel.title} isi={artikel.body} idArtikel={artikel.i
                })
            }
        </div>
    )
}
}

export default BlogPost;
```

```jsx
import React from "react";

const Post = (props) => {
    return (
        <div className="artikel">
            <div className="gambar-artikel">
                <img src="http://placeimg.com/80/80/tech" alt="Gambar Tumbnail Artikel"/>
            </div>
            <div className="konten-artikel">
                <div className="judul-artikel">{props.judul}</div>
                <p className="isi-artikel">{props.isi}</p>
                <button className="btn btn-sm btn-warning"
                onClick={() => {if (window.confirm('Apakah anda yakin menghapus artikel ini')) props.hapusArtikel(p
                    Hapus
                </button>
            </div>
        </div>
    )
}

export default Post;
```