Laporan - Firebase login

Pemograman berbasis framework

23 April 2020

1741720210

Epis Kuswono

TI-3A

1. Setting Firebase Console Login ke firebase console dan add a new project. Pilih authentification dan pilih tab menu
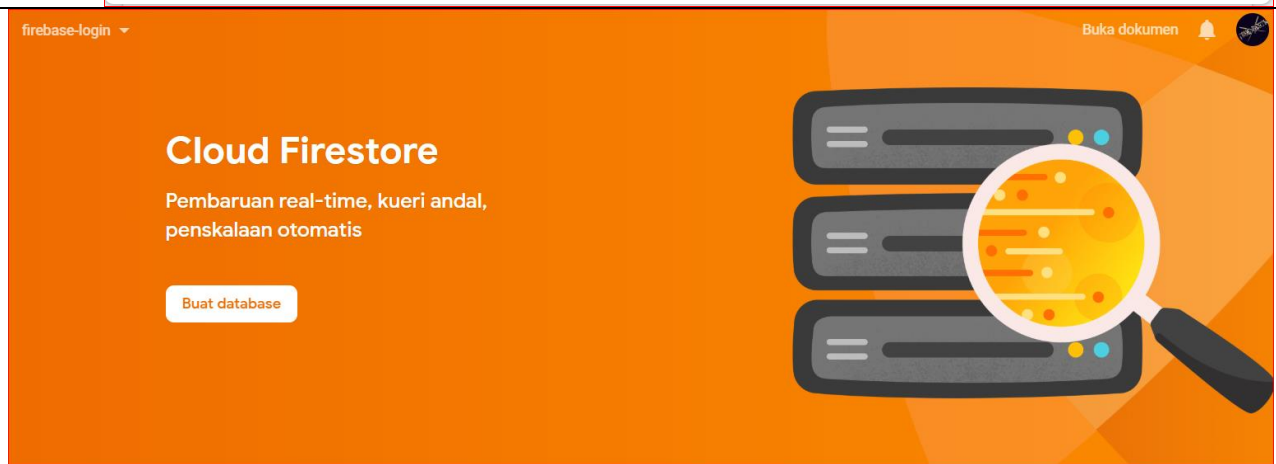
> **Email/Sandi**
>
> ⬤ Aktifkan
>
> Izinkan pengguna untuk mendaftar menggunakan alamat email dan sandi mereka. SDK kami juga menyediakan verifikasi alamat email, pemulihan sandi, dan sistem dasar perubahan alamat email. Pelajari lebih lanjut ☑
>
> Link email (login tanpa sandi)   ◯ Aktifkan
>
> Batal   **Simpan**

firebase-login ▾   Buka dokumen 🔔

Cloud Firestore

Pembaruan real-time, kueri andal, penskalaan otomatis

Buat database

Woohoo!

Firebase CLI Login Successful

You are logged in to the Firebase Command-Line interface. You can immediately close this window and continue using the CLI.

```
 D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin

? Are you ready to proceed? Yes
? Which Firebase CLI features do you want to set up for this folder? Press Space to select features, then Enter to confirm your choi
es. Firestore: Deploy rules and create indexes for Firestore, Storage: Deploy Cloud Storage security rules

=== Project Setup

First, let's associate this project directory with a Firebase project.
You can create multiple project aliases by running firebase use --add,
but for now we'll just set up a default project.

? Please select an option: Use an existing project
? Select a default Firebase project for this directory: fir-login-5dd6d (firebase-login)
i  Using project fir-login-5dd6d (firebase-login)

=== Firestore Setup

Firestore Security Rules allow you to define how and when to allow
requests. You can keep these rules in your project directory
and publish them with firebase deploy.

? What file should be used for Firestore Rules? firestore.rules

Firestore indexes allow you to perform complex queries while
maintaining performance that scales with the size of the result
set. You can keep index definitions in your project directory
and publish them with firebase deploy.

? What file should be used for Firestore indexes? firestore.indexes.json
```

Npm run start

Edit `src/App.js` and save to reload.

Learn React

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm run build

> firebase-login@0.1.0 build D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login
> react-scripts build

Creating an optimized production build...
```

```
> react-scripts build

Creating an optimized production build...
Compiled successfully.

File sizes after gzip:

  39.39 KB   build\static\js\2.a2ba8385.chunk.js
  776 B      build\static\js\runtime-main.aa928fa0.js
  650 B      build\static\js\main.34ea9d6b.chunk.js
  547 B      build\static\css\main.5f361e03.chunk.css

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

The build folder is ready to be deployed.
You may serve it with a static server:

  npm install -g serve
  serve -s build

Find out more about deployment here:

  bit.ly/CRA-deploy
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm install redux
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 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:
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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"})

+ redux@4.0.5
added 2 packages from 1 contributor and audited 931391 packages in 26.273s
found 0 vulnerabilities
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm install react-redux
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
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npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32","arch":"x64"})

+ react-redux@7.2.0
added 2 packages from 2 contributors and audited 931404 packages in 26.226s
found 0 vulnerabilities
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm install redux-thunk
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.
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 {"os":"win32","arch":"x64"})

+ redux-thunk@2.3.0
added 1 package from 1 contributor and audited 931405 packages in 14.075s
found 0 vulnerabilities
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm install react-router-dom
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.
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 {"os":"win32","arch":"x64"})

+ react-router-dom@5.1.2
added 11 packages from 5 contributors and audited 931457 packages in 15.861s
found 0 vulnerabilities
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm install firebase

> protobufjs@6.9.0 postinstall D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login\node_modules\pr
otobufjs
> node scripts/postinstall

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.
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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.
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 {"os":"win32","arch":"x64"})

+ firebase@7.14.1
added 54 packages from 17 contributors and audited 931641 packages in 337.721s
found 0 vulnerabilities
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm install @material-ui/core
npm WARN deprecated popper.js@1.16.1: You can find the new Popper v2 at @popperjs/core, this package is dedicated to the legacy v1
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
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{"os":"win32","arch":"x64"})

+ @material-ui/core@4.9.11
added 23 packages from 13 contributors and audited 931811 packages in 64.449s
found 0 vulnerabilities
```

```html
-->
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto:300,400,700&display=swap"/>
<title>React App</title>
head>
```

```
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\Firebaselogin\firebase-login>npm install @material-ui/icons
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-b
eta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
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npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":
"x64"})

+ @material-ui/icons@4.9.1
added 1 package from 1 contributor and audited 931814 packages in 31.407s
found 0 vulnerabilities
```

✏️ Daftarkan aplikasi

② Tambahkan Firebase SDK

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

```html
<!-- The core Firebase JS SDK is always required and must be listed first -->
<script src="/__/firebase/7.14.1/firebase-app.js"></script>

<!-- TODO: Add SDKs for Firebase products that you want to use
     https://firebase.google.com/docs/web/setup#available-libraries -->
<script src="/__/firebase/7.14.1/firebase-analytics.js"></script>

<!-- Initialize Firebase -->
<script src="/__/firebase/init.js"></script>
```

Pelajari Firebase untuk web lebih lanjut: Mulai ☑, Referensi Web SDK API ☑, Sampel ☑

Firebase SDK snippet

○ Otomatis ⑦   ○ CDN ⑦   ◉ Config ⑦

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

```javascript
const firebaseConfig = {
  apiKey: "AIzaSyCudIACZvSZSK33S6203Vy8-4epaiAwJJ0",
  authDomain: "fir-login-5dd6d.firebaseapp.com",
  databaseURL: "https://fir-login-5dd6d.firebaseio.com",
  projectId: "fir-login-5dd6d",
  storageBucket: "fir-login-5dd6d.appspot.com",
  messagingSenderId: "542517606700",
  appId: "1:542517606700:web:0163b6d6f5c9282d1d9489",
  measurementId: "G-Y0PJHYK9HS"
};
```

```javascript
firebase-login > actions > JS auth.js > ...
1   import { myFirebase } from "../firebase/firebase";
2
3   export const LOGIN_REQUEST = "LOGIN_REQUEST";
4   export const LOGIN_SUCCES = "LOGIN_SUCCES";
5   export const LOGIN_FAILURE = "LOGIN_FAILURE";
6
7   export const LOGOUT_REQUEST = "LOGOUT_REQUEST";
8   export const LOGOUT_SUCCES = "LOGOUT_SUCCES";
9   export const LOGOUT_FAILURE = "LOGOUT_FAILURE";
10
11  export const VERIFY_REQUEST = "VERIFY_REQUEST";
12  export const VERIFY_SUCCES = "VERIFY_SUCCES";
13
14  const requestLogin = () => {
15      return {
16          type: LOGIN_REQUEST
17      };
18  };
19
20  const receiveLogin = user => {
21      return {
22          type: LOGIN_SUCCES,
23          user
24      };
25  };
26
27  const LoginError = user => {
28      return {
29          type: LOGIN_FAILURE
30      };
```

ⓘ The Marketplace has extensions that can help with '.rules'

Search Marketplace   Don't Show Again f

```js
import {
    LOGIN_REQUEST,
    LOGIN_SUCCESS,
    LOGIN_FAILURE,
    LOGOUT_REQUEST,
    LOGOUT_SUCCESS,
    LOGOUT_FAILURE,
    VERIFY_REQUEST,
    VERIFY_SUCCESS
    } from "../actions/";

export default (
state = {
        isLoggingIn: false,
        isLoggingOut: false,
        isVerifying: false,
        loginError: false,
        logoutError: false,
        isAuthenticated: false,
        user: {}
        },
    action
    ) => {
    switch (action.type) {
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

<> index.html   (i) README.md   JS index.js   ✕

firebase-login > reducers > JS index.js > ...

```js
import { combineReducers } from "redux";
import auth from "./auth";
export default combineReducers({ auth });
```

```js
1    import { applyMiddleware, createStore } from "redux";
2    import thunkMiddleware from "redux-thunk";
3    import { verifyAuth } from "./actions/";
4    import rootReducer from "./reducers";
5
6    export default function configureStore(persistedState) {
7        const store = createStore(
8            rootReducer,
9            persistedState,
10       applyMiddleware(thunkMiddleware)
11       );
12
13   store.dispatch(verifyAuth());
14       return store;
15   }
```

```js
1    import React from "react";
2    import { Provider } from "react-redux";
3    import { BrowserRouter as Router } from "react-router-dom";
4    import App from "./App";
5    import configureStore from "./configureStore";
6
7    const store = configureStore();
8        function Root() {
9        return (
10           <Provider store={store}>
11           <Router>
12           <App/>
13           </Router>
14           </Provider>
15
16   ); } export default Root;
```

```js
1   import React from "react";
2   import ReactDOM from "react-dom";
3   import Root from "./Root";
4   import * as serviceWorker from "./serviceWorker";
5
6   // ReactDOM.render(
7   //     <React.StrictMode>
8   //         <App />
9   //     </React.StrictMode>,
10  //     document.getElementById('root')
11  // );
12
13  ReactDOM.render(<Root />, document.getElementById("root"));
14  // If you want your app to work offline and load faster, you can change
15  // unregister() to register() below. Note this comes with some pitfalls.
16  // Learn more about service workers: https://bit.ly/CRA-PWA
17  serviceWorker.unregister();
18
```

<> index.html ✕   ⓘ README.md   JS Root.js   JS *App.js*   ✕

```js
1   import React from "react";
2   import { Route, Switch } from "react-router-dom";
3   import { connect } from "react-redux";
4   import ProtectedRoute from "./components/ProtectedRoute";
5   import Home from "./components/Home";
6   import Login from "./components/Login";
7
8   function App(props) {
9     const { isAuthenticated, isVerifying } = props;
10    return (
11    <Switch>
12    <ProtectedRoute
13      exact
14      path="/"
15      component={Home}
16      isAuthenticated={isAuthenticated}
17      isVerifying={isVerifying}
18    />
19      <Route path="/login" component={Login} />
20      </Switch>
21    );
22  }
23
24  function mapStateToProps(state) {
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

firebase-login > components > JS Login.js > ...

```javascript
1   import React, { Component } from "react";
2   import { connect } from "react-redux";
3   import { Redirect } from "react-router-dom";
4   import { loginUser } from "../actions";
5   import { withStyles } from "@material-ui/styles";
6   import Avatar from "@material-ui/core/Avatar";
7   import Button from "@material-ui/core/Button";
8   import TextField from "@material-ui/core/TextField";
9   import LockOutlinedIcon from "@material-ui/icons/LockOutlined";
10  import Typography from "@material-ui/core/Typography";
11  import Paper from "@material-ui/core/Paper";
12  import Container from "@material-ui/core/Container";
13
14  const styles = () => ({
15      "@global": {
16      body: {
17      backgroundColor: "#fff"
18      }
19  },
20
21  paper: {
22      marginTop: 100,
23      display: "flex",
24      padding: 20,
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

firebase-login > components > JS Home.js > ...

```javascript
1   import React, { Component } from "react";
2   import { connect } from "react-redux";
3   import { logoutUser } from "../actions";
4
5   class Home extends Component {
6       handleLogout = () => {
7           const { dispatch } = this.props;
8           dispatch(logoutUser());
9       };
10
11      render() {
12          const { isLoggingOut, logoutError } = this.props;
13          return(
14              <div>
15                  <h1> This is your app's protected area. </h1>
16                  <p>Any routes here will also be protected</p>
17                  <button onClick={this.handleLogout}>Logout</button>
18                  {isLoggingOut && <p>Logging Out........</p>}
19                  {logoutError && <p>Error logging out</p>}
20              </div>
21          );
22      }
23  }function mapStateToProps(state) {
24      return {
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```javascript
 1  import React from "react";
 2  import { Route, Redirect } from "react-router-dom";
 3  const ProtectedRoute = ({
 4    component: Component,
 5    isAuthenticated,
 6    isVerifying,
 7    ...rest
 8  }) => (
 9    <Route
10      {...rest}
11      render={props =>
12        isVerifying ? (
13          <div />
14        ) : isAuthenticated ? (
15          <Component {...props} />
16        ) : (
17          <Redirect
18            to={{
19              pathname: "/login",
20              state: { from: props.location }
21            }}
22          />
```

firebase-login ▾   Buka dokum

Authentication

Users   Sign-in method   Templates   Usage

🔍 Telusuri berdasarkan alamat email, nomor telepon, atau UID pengguna   **Tambahkan pengguna**   ↻   ⋮

Pengenal	Penyedia	Dibuat tanggal	Masuk	UID pengguna ↑
episkuswono@gmail.com	✉	23 Apr 2020		EpmqicAsIbfUe63iz5m6MfzNiPA2

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