

LAPORAN MINGGU 12

Disusun sebagai

MATA KULIAH: PEMGROGRAMAN BERBASIS FRAMEWORK

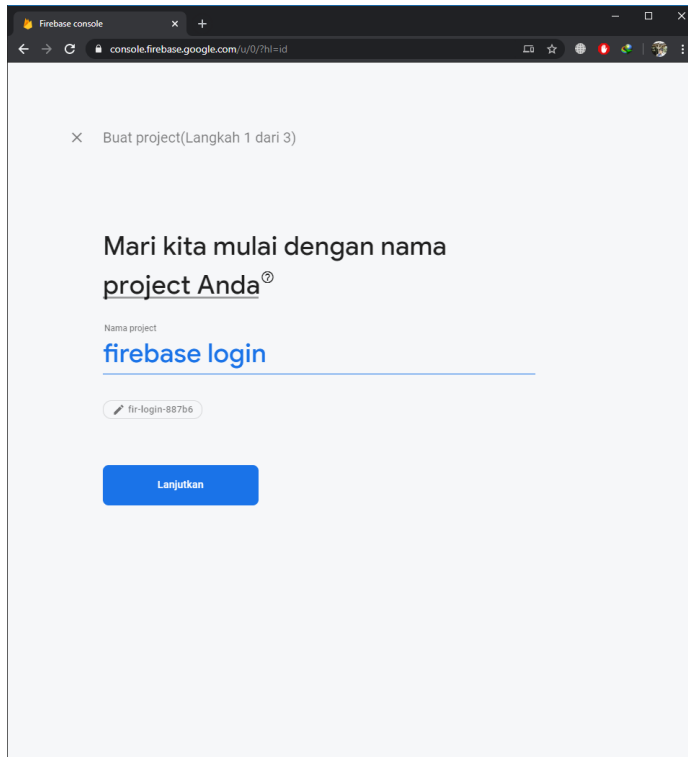
Oleh:

Firnanda Kusuma Pratama / 1741720012  
TI – 3B / 14

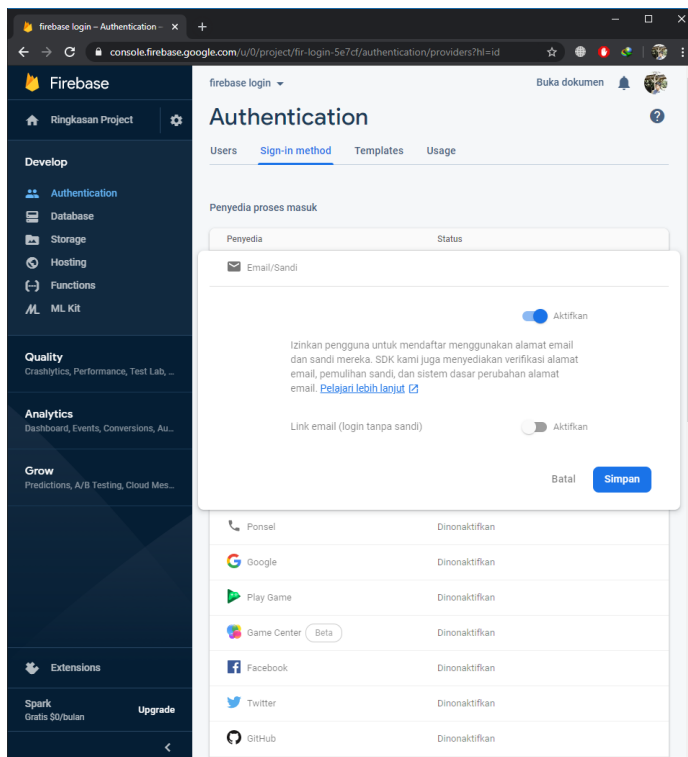


PROGRAM STUDI: D-IV TEKNIK INFORMATIKA  
JURUSAN: TEKNOLOGI INFORMASI  
POLITEKNIK NEGERI MALANG  
2020

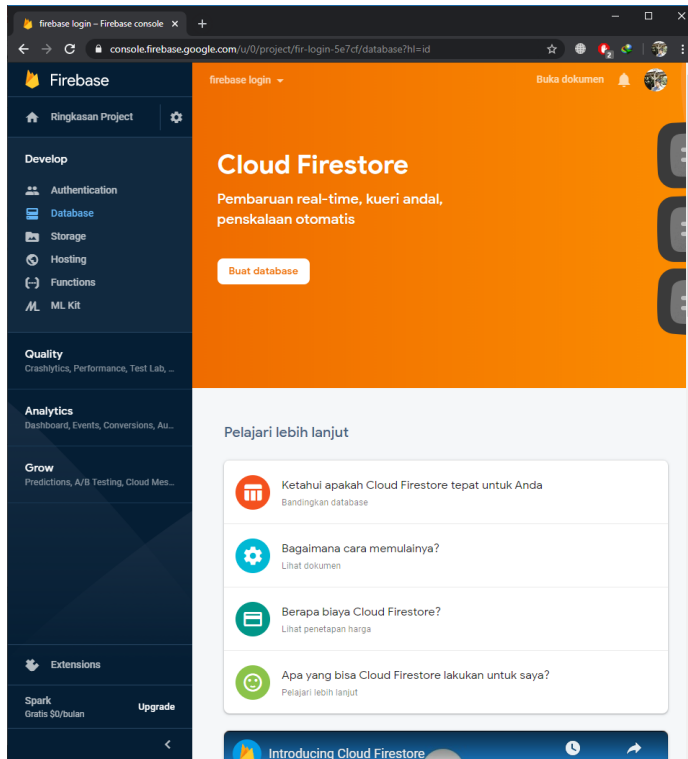
## 1. Pertama kita project baru di firebase



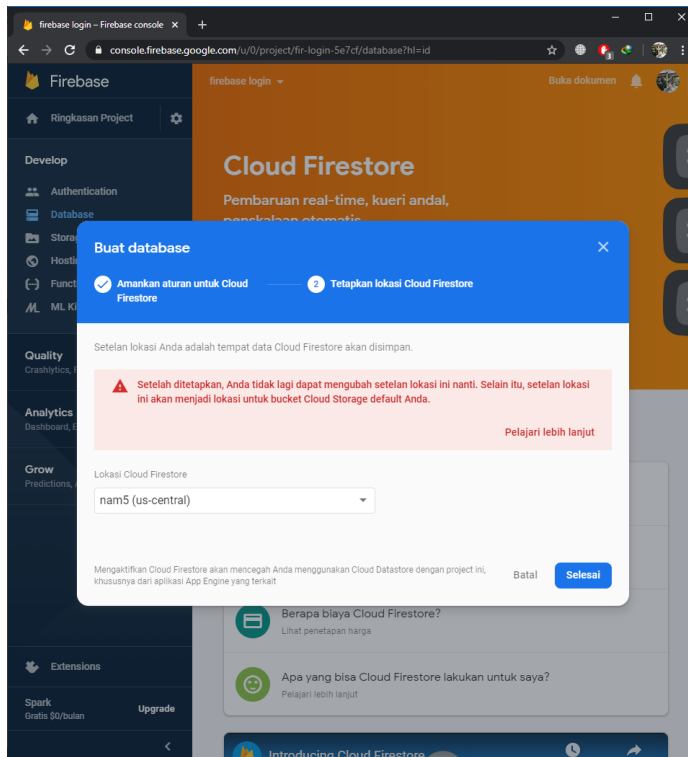
## 2. Setelah itu pilih authentication dan pilih tab menu “Set up sign in method” pada email/sandi



### 3. Kemudian kita masuk ke dataset



### 4. Select Start in test mode.



## 5. Kemudian install firebase

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm install -g firebase-tools
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
C:\Users\user\AppData\Roaming\npm\firebase -> C:\Users\user\AppData\Roaming\npm\node_modules\firebase-tools\lib\bin\firebase.js
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@~2.1.2 (node_modules\firebase-tools\node_modules\chokidar\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.3: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN ws@7.2.3 requires a peer of bufferutil@^4.0.1 but none is installed. You must install peer dependencies yourself.

+ firebase-tools@8.1.1
updated 1 package in 16.373s
```

## 6. Kemudian ketik perintah “firebase login”

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> firebase login
i Firebase optionally collects CLI usage and error reporting information to help improve our products. Data is collected in accordance with Google's privacy policy (https://policies.google.com/privacy) and is not used to identify you.

? Allow Firebase to collect CLI usage and error reporting information? Yes
i To change your data collection preference at any time, run 'firebase logout' and log in again.

Visit this URL on this device to log in:
https://accounts.google.com/o/oauth2/auth?client_id=563584335869-fgrhgm47bqnekij5i8b5pr03ho849e6.apps.googleusercontent.com&scope=email%20openid%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloudplatformprojects.readonly%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Ffirebase%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&response_type=code&state=231081611&redirect_uri=http%3A%2F%2Flocalhost%3A9005

Waiting for authentication...

+ Success! Logged in as firnandapratama99@gmail.com
```

## 7. Kemudian ketik perintah “firebase init” dan pilih Firestore dan Hosting

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> firebase init

#####
##      ##      ##      ##      ##      ##      ##      ##
#####

You're about to initialize a Firebase project in this directory:

  D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12

? 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 choices.
  ( ) Database: Deploy Firebase Realtime Database Rules
  (*) Firestore: Deploy rules and create indexes for Firestore
  ( ) Functions: Configure and deploy Cloud Functions
  > (*) Hosting: Configure and deploy Firebase Hosting sites
  ( ) Storage: Deploy Cloud Storage security rules
  ( ) Emulators: Set up local emulators for Firebase features
```

## 8. NPM run build

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm run build

> firnanda-minggu3@0.1.0 build D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12
> react-scripts build

Creating an optimized production build...
Compiled successfully.

File sizes after gzip:

 39.85 KB  build\static\js\2.c34c0719.chunk.js
 779 B    build\static\js\runtime-main.bb02edc7.js
 653 B    build\static\js\main.eb5dc6b3.chunk.js
 575 B    build\static\css\main.3834c14e.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
```

## 9. Firebase serve

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> firebase serve

=== Serving from 'D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12'...

i hosting: Serving hosting files from: public
+ hosting: Local server: http://localhost:5000
```

## 10. Install redux

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm install redux
npm WARN eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x but none is installed. You must install peer dependencies yourself.
npm WARN react-scripts@3.4.0 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 || >= 3.7.0-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: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ redux@4.0.5
added 2 packages from 1 contributor and audited 918472 packages in 27.376s
found 890 vulnerabilities (872 low, 18 moderate)
run `npm audit fix` to fix them, or `npm audit` for details
```



## 11. Install react-redux

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm install react-redux
npm WARN rollback Rolling back readable-stream@2.3.6 failed (this is probably harmless): EPERM: operation not permitted, lstat 'D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12\node_modules\webpack-dev-server\node_modules\fsevents\node_modules'
npm WARN eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x but none is installed. You must install peer dependencies yourself.
npm WARN react-scripts@3.4.0 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: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)

+ react-redux@7.2.0
added 2 packages from 2 contributors and audited 91845 packages in 12.81s
found 890 vulnerabilities (872 low, 18 moderate)
run 'npm audit fix' to fix them, or 'npm audit' for details
```

## 12. Install redux-thunk

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm install redux-thunk
npm WARN eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x but none is installed. You must install peer dependencies yourself.
npm WARN react-scripts@3.4.0 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: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)

+ redux-thunk@2.3.0
added 1 package from 1 contributor and audited 91846 packages in 31.745s
found 890 vulnerabilities (872 low, 18 moderate)
run 'npm audit fix' to fix them, or 'npm audit' for details
```

## 13. Install react-router-dom

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm install react-router-dom
npm WARN eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x but none is installed. You must install peer dependencies yourself.
npm WARN react-scripts@3.4.0 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: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)

+ react-router-dom@5.1.2
added 11 packages from 5 contributors and audited 91853 packages in 19.976s
found 890 vulnerabilities (872 low, 18 moderate)
run 'npm audit fix' to fix them, or 'npm audit' for details
```

## 14. Npm install firebase

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm install firebase

> core-js@3.6.5 postinstall D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12\node_modules\firebase\polyfill\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

Thank you for using core-js ( https://github.com/zloirock/core-js ) for polyfilling JavaScript standard library!

The project needs your help! Please consider supporting of core-js on Open Collective or Patreon:
> https://opencollective.com/core-js
> https://www.patreon.com/zloirock

Also, the author of core-js ( https://github.com/zloirock ) is looking for a good job -)

> protobufjs@6.9.0 postinstall D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12\node_modules\protobufjs
> node scripts/postinstall

npm WARN eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x but none is installed. You must install peer dependencies yourself.
npm WARN react-scripts@3.4.0 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: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
```

## 15. Pilih UI library

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> 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 eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x but none is installed. You must install peer dependencies yourself.
npm WARN react-scripts@3.4.0 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: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)

+ @material-ui/core@4.9.11
added 25 packages from 15 contributors and audited 918892 packages in 40.865s
found 890 vulnerabilities (872 low, 18 moderate)
run `npm audit fix` to fix them, or `npm audit` for details
```

## 16. Paste kan file public/index.html

```
17 <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700&display=swap" />
```

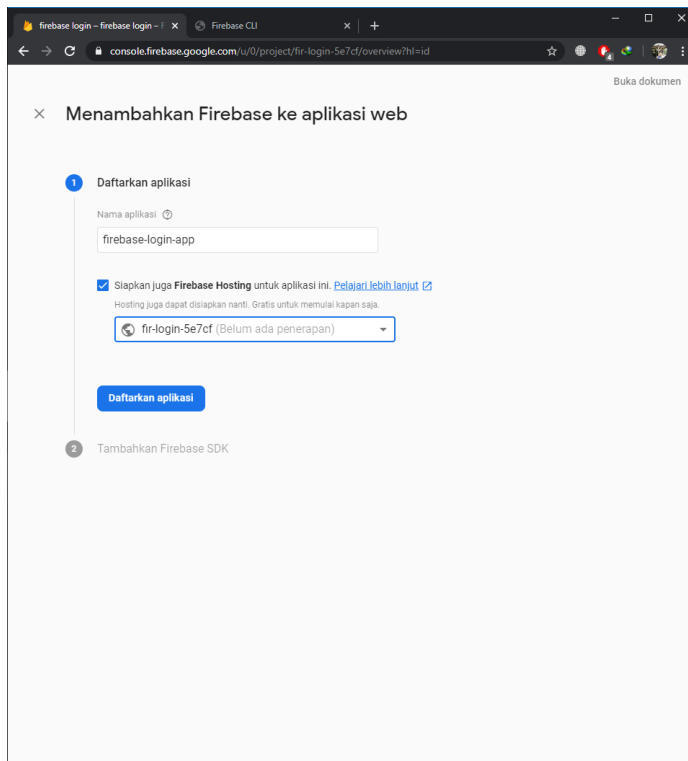
## 17. Install material icon

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu12> npm install @material-ui/icons

npm WARN eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x but none is installed. You must install peer dependencies yourself.
npm WARN react-scripts@3.4.0 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: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
)

+ @material-ui/icons@4.9.1
added 1 package from 1 contributor and audited 918895 packages in 33.571s
found 890 vulnerabilities (872 low, 18 moderate)
run `npm audit fix` to fix them, or `npm audit` for details
```

## 18. Pilih project setting



## 19. Pilih config

### Firebase SDK snippet

☐ Otomatis ☐ CDN ☒ Config



## 20. Edit firebase/firebase.js

```
src > firebase > JS firebase.js > ...
1  import firebase from "firebase/app";
2  import "firebase/auth";
3  import "firebase/firestore";
4
5  const firebaseConfig = {
6    apiKey: "AIzaSyB2yY7-7HAv-7-06mfTqJRQwKQLAsZc1FU",
7    authDomain: "fir-login-5e7cf.firebaseio.com",
8    databaseURL: "https://fir-login-5e7cf.firebaseio.com",
9    projectId: "fir-login-5e7cf",
10   storageBucket: "fir-login-5e7cf.appspot.com",
11   messagingSenderId: "349463083994",
12   appId: "1:349463083994:web:9f0ea1dc224be5d1189ee3",
13   measurementId: "G-CNGMYCDHVR"
14 };
15
16 export const myFirebase = firebase.initializeApp(firebaseConfig);
17 const baseDb = myFirebase.firestore();
18 export const db = baseDb;
```

## 21. Edit actions/auth.js

```
src > actions > JS auth.js > ...
1  import { myFirebase } from "../firebase/firebase";
2
3  export const LOGIN_REQUEST = "LOGIN_REQUEST";
4  export const LOGIN_SUCCESS = "LOGIN_SUCCESS";
5  export const LOGIN_FAILURE = "LOGIN_FAILURE";
6
7  export const LOGOUT_REQUEST = "LOGOUT_REQUEST";
8  export const LOGOUT_SUCCESS = "LOGOUT_SUCCESS";
9  export const LOGOUT_FAILURE = "LOGOUT_FAILURE";
10
11 export const VERIFY_REQUEST = "VERIFY_REQUEST";
12 export const VERIFY_SUCCESS = "VERIFY_SUCCESS";
```

22. user requesting to login masih dalam actions/auth.js

```
src > actions > JS auth.js > ...  
--  
14   const requestLogin = () => {  
15       return {  
16           type: LOGIN_REQUEST,  
17       };  
18   };  
19  
20   const receiveLogin = (user) => {  
21       return {  
22           type: LOGIN_SUCCESS,  
23           user,  
24       };  
25   };  
26  
27   const loginError = () => {  
28       return {  
29           type: LOGIN_FAILURE,  
30       };  
31   };
```

### 23. Edit loginUser()

```
src > actions > JS auth.js > ...  
32  
33   const requestLogout = () => {  
34     return {  
35       type: LOGOUT_REQUEST,  
36     };  
37   };  
38   const receiveLogout = () => {  
39     return {  
40       type: LOGOUT_SUCCESS,  
41     };  
42   };  
43  
44   const logoutError = () => {  
45     return {  
46       type: LOGOUT_FAILURE,  
47     };  
48   };  
49   const verifyRequest = () => {  
50     return {  
51       type: VERIFY_REQUEST,  
52     };  
53   };  
54  
55   const verifySuccess = () => {  
56     return {  
57       type: VERIFY_SUCCESS,  
58     };  
59   };|
```

## 24. Buka reducers/auth.js

```
src > reducers > JS auth.js > default
1  import {
2    LOGIN_REQUEST,
3    LOGIN_SUCCESS,
4    LOGIN_FAILURE,
5    LOGOUT_REQUEST,
6    LOGOUT_SUCCESS,
7    LOGOUT_FAILURE,
8    VERIFY_REQUEST,
9    VERIFY_SUCCESS,
10 } from "../actions/auth";
11
12 export default (
13   state = {
14     isLoggingIn: false,
15     isLoggingOut: false,
16     isVerifying: false,
17     loginError: false,
18     logoutError: false,
19     isAuthenticated: false,
20     user: {},
21   },
22   action
23 ) => {
24   switch (action.type) {
25     case LOGIN_REQUEST:
26       return {
27         ...state,
28         isLoggingIn: true,
29         loginError: false,
30       };
31
```

```
src > reducers > JS auth.js > default
32     case LOGIN_SUCCESS:
33       return {
34         ...state,
35         isLoggingIn: false,
36         isAuthenticated: true,
37         user: action.user,
38       };
39
40     case LOGIN_FAILURE:
41       return {
42         ...state,
43         isLoggingIn: false,
44         isAuthenticated: false,
45         loginError: true,
46       };
47
48     case LOGOUT_REQUEST:
49       return {
50         ...state,
51         isLoggingOut: true,
52         logoutError: false,
53       };
54     case LOGOUT_SUCCESS:
55       return {
56         ...state,
57         isLoggingOut: false,
58         isAuthenticated: false,
59         user: {},
60       };
61     case LOGOUT_FAILURE:
62       return {
63         ...state,
64         isLoggingOut: false,
65         logoutError: true,
```


```
src > reducers > JS auth.js > default
66     };
67     case VERIFY_REQUEST:
68       return {
69         ...state,
70         isVerifying: true,
71         verifyingError: false,
72       };
73     case VERIFY_SUCCESS:
74       return {
75         ...state,
76         isVerifying: false,
77       };
78     default:
79       return state;
80   }
81   };
```

25. Edit reducers/index.js


```
src > reducers > JS index.js > default
1   import { combineReducers } from "redux";
2   import auth from "../auth";
3   export default combineReducers({ auth });
```



26. Pilih src folder called configureStore.js dan edit

```
src > JS configureStore.js >  configureStore
1  import { applyMiddleware, createStore } from "redux";
2  import thunkMiddleware from "redux-thunk";
3  import { verifyAuth } from "../actions/auth";
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     store.dispatch(verifyAuth());
13     return store;
14 }
```

27. Pilih dan edit folder src dan root.js

```
src > JS root.js >  default
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  const store = configureStore();
7  function Root() {
8      return (
9          <Provider store={store}>
10             <Router>
11                 <App />
12             </Router>
13         </Provider>
14     );
15 }
16 export default Root;
```

28. Pilih dan edit folder src/index.js

```
src > JS index.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(<Root />, document.getElementById("root"));
7
8  // If you want your app to work offline and load faster, you can change
9  // unregister() to register() below. Note this comes with some pitfalls.
10 // Learn more about service workers: https://bit.ly/CRA-PWA
11
12 serviceWorker.unregister();
13
```

29. Buat lah coding App.js

```
src > JS App.js mapStateToProps
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  function App(props) {
8    const { isAuthenticated, isVerifying } = props;
9    return (
10      <Switch>
11        { " " }
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  function mapStateToProps(state) {
24    return {
25      isAuthenticated: state.auth.isAuthenticated,
26      isVerifying: state.auth.isVerifying,
27    };
28  }
29  export default connect(mapStateToProps)(App);
30
```

### 30. Buatlah file dan simpan components/Login.js

```
src > component > JS Login.js > [0] default
1  import React, { Component } from "react";
2  import { connect } from "react-redux";
3  import { Redirect } from "react-router-dom";
4  import { loginUser } from "../actions/auth";
5  import { withStyles } from "@material-ui/styles";
6
7  import Avatar from "@material-ui/core/Avatar";
8  import Button from "@material-ui/core/Button";
9  import TextField from "@material-ui/core/TextField";
10 import LockOutlinedIcon from "@material-ui/icons/LockOutlined";
11 import Typography from "@material-ui/core/Typography";
12 import Paper from "@material-ui/core/Paper";
13 import Container from "@material-ui/core/Container";
14
15 const styles = () => ({
16   "@global": {
17     body: {
18       backgroundColor: "#fff",
19     },
20   },
21   paper: {
22     marginTop: 100,
23     display: "flex",
24     padding: 20,
25     flexDirection: "column",
26     alignItems: "center",
27   },
28   avatar: {
29     marginLeft: "auto",
30     marginRight: "auto",
31     backgroundColor: "#f50057",
32   },
33   form: {
34     marginTop: 1,
```

```
src > component > JS Login.js > [0] default
35   },
36   errorText: {
37     color: "#f50057",
38     marginBottom: 5,
39     textAlign: "center",
40   },
41 });
42
43 class Login extends Component {
44   state = { email: "", password: "" };
45   handleEmailChange = ({ target }) => {
46     this.setState({ email: target.value });
47   };
48   handlePasswordChange = ({ target }) => {
49     this.setState({ password: target.value });
50   };
51   handleSubmit = () => {
52     const { dispatch } = this.props;
53     const { email, password } = this.state;
54     dispatch(loginUser(email, password));
55   };
56   render() {
57     const { classes, loginError, isAuthenticated } = this.props;
58     if (isAuthenticated) {
59       return <Redirect to="/" />;
60     } else {
61       return (
62         <Container component="main" maxWidth="xs">
63           <Paper className={classes.paper}>
64             <Avatar className={classes.avatar}>
65               <LockOutlinedIcon />
66             </Avatar>
67             <Typography component="h1" variant="h5">
68               Sign in
```

```
src > component > JS Login.js > [🔍] default
69     </Typography>
70     <TextField
71       variant="outlined"
72       margin="normal"
73       fullWidth
74       id="email"
75       label="Email Address"
76       name="email"
77       onChange={this.handleEmailChange}
78     />
79     <TextField
80       variant="outlined"
81       margin="normal"
82       fullWidthname="password"
83       label="Password"
84       type="password"
85       id="password"
86       onChange={this.handlePasswordChange}
87     />
88     {loginError && (
89       <Typography component="p" className={classes.errorText}>
90         Incorrect email or password.
91       </Typography>
92     )}
93     <Button
94       type="button"
95       fullWidth
96       variant="contained"
97       color="primary"
98       className={classes.submit}
99       onClick={this.handleSubmit}
100   >
101     Sign In
102 </Button>
```

```
src > component > JS Login.js > [🔍] default
103   </Paper>
104 </Container>
105   );
106 }
107 }
108 }
109
110 function mapStateToProps(state) {
111   return {
112     isLoggingIn: state.auth.isLoggingIn,
113     loginError: state.auth.loginError,
114     isAuthenticated: state.auth.isAuthenticated,
115   };
116 }
117
118 export default withStyles(styles)(connect(mapStateToProps)(Login));|
```

### 31. Buka component/Home.js

```
src > component > JS Home.js > [⌕] default
1  import React, { Component } from "react";
2  import { connect } from "react-redux";
3  import { logoutUser } from "../actions/auth";
4
5  class Home extends Component {
6    handleLogout = () => {
7      const { dispatch } = this.props;
8      dispatch(logoutUser());
9    };
10   render() {
11     const { isLoggingOut, logoutError } = this.props;
12     return (
13       <div>
14         <h1>This is your app's protected area.</h1>
15         <p>Any routes here will also be protected</p>
16         <button onClick={this.handleLogout}>Logout</button>
17         {isLoggingOut && <p>Logging Out....</p>}
18         {logoutError && <p>Error logging out</p>}
19       </div>
20     );
21   }
22 }
23 function mapStateToProps(state) {
24   return {
25     isLoggingOut: state.auth.isLoggingOut,
26     logoutError: state.auth.logoutError,
27   };
28 }
29 export default connect(mapStateToProps)(Home);
```

### 32. Kemudian masuk ke dalam halaman beranda

---

**This is your app's protected area.**

Any routes here will also be protected