TUGAS PERORANGAN

LAPORAN MINGGU 12: Firebase Login

Disusun sebagai

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK

Oleh:

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PROGRAM STUDI: D-IV TEKNIK INFORMATIKA
JURUSAN: TEKNOLOGI INFORMASI
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1. Menambahkan configurasi firebase.js

2. Membuat file auth pada folder src/actions/

```
src > actions > _s auth.js > ...

1    import {myFirebase} from "../firebase/firebase";

2    a export const LOGIN_REQUEST = "LOGIN_REQUEST";
4    export const LOGIN_SUCCESS = "LOGIN_SUCCESS";
5    export const LOGIN_FAILURE = "LOGIN_FAILURE";

6    a export const LOGOUT_REQUEST = "LOGOUT_REQUEST";
8    export const LOGOUT_SUCCESS = "LOGOUT_SUCCESS";
9    export const LOGOUT_FAILURE = "LOGOUT_FAILURE";

10    a export const VERIFY_REQUEST = "VERIFY_REQUEST";
12    export const VERIFY_SUCCESS = "VERIFY_SUCCESS";
13
```

```
const requestLogin = =>{
    return {
        type: LOGIN_REQUEST
    };

const receiveLogin = user =>{
    return {
        type: LOGIN_SUCCESS,
        user
    };

const loginError = _ =>{
    return {
        type: LOGIN_FAILURE
    };

const requestLogout = =>{
    return {
        type: LOGOUT_REQUEST
    };

const receiveLogout==>{
    return {
        type: LOGOUT_SUCCESS
    };

const receiveLogout==>{
    return {
        type: LOGOUT_SUCCESS
    };
}
```

Pada file auth melakukan import pada firebase , dan membuat variabel untuk autektikasi login menggunakan promise

3. Setelah itu membuat reducer untuk autektikasi login

```
ducers > <mark>.s</mark> auth.js > ۞ defau
import {LOGIN_REQUEST,
                                                                                                             ...state,
isLoggingIn:false,
         LOGOUT REQUEST.
         VERIFY_REQUEST,
VERIFY_SUCCESS } from "../actions/auth";
                                                                                                             isLoggingIn:false,
isAuthenticated:false,
         isLoggingIn:false,
                                                                                                   case LOGOUT REQUEST:
          isVerifying:false,
                                                                                                             isLoggingOut:true,
         isAuthenticated:false.
                                                                                                   case LOGOUT SUCCESS:
                                                                                                             ...state,
isLoggingOut:false,
     switch (action.type) {
    case LOGIN_REQUEST:
                    isLoggingIn:true,
                       isLoggingOut:false,
                       logoutError:true
                       verifyingError:false
                       isVerifying:false
```

4. Lalu membuat index.js pada folder reducer

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

5. Setelah membuat index.js pada reducer lalu membuat configureStore.js

6. Lalu membuat file Root.js yang berfungsi sebagai root pada web ini

7. Lalu mengedit index.js pada folder src digunakan untuk menampung Root

```
src > 15 index.js

1    import React from 'react';

2    import ReactDOM from 'react-dom';

3    import './index.css';

4    import Root from "./Root"

5    import * as serviceWorker from './serviceWorker';

6

7    ReactDOM.render(<Root />, document.getElementById('root'));

8

9    // If you want your app to work offline and load faster, you can change
10    // unregister() to register() below. Note this comes with some pitfalls.
11    // Learn more about service workers: https://bit.ly/CRA-PWA
12    serviceWorker.unregister();
```

8. Merubah App.js pada folder src

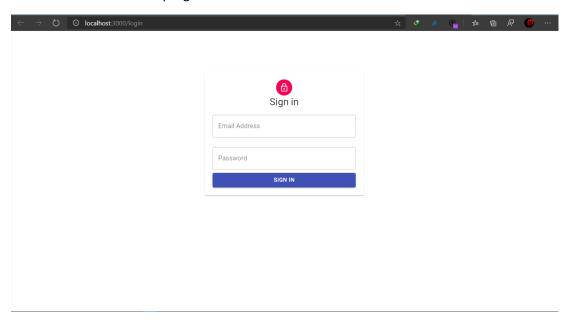
9. Membuat halaman login

```
class Login extends Component {
     state = { email: "", password: "" };
handleEmailChange = ({ target }) => {
     handlePasswordChange = ({ target }) => {
    this.setState({ password: target.value });
     handleSubmit = () => {
   const { dispatch } = this.props;
   const { email, password } = this.state;
}
                           <Paper className={classes.paper}>
     <Avatar className={classes.avatar}>
                                 <Typography component="h1" variant="h5">Sign in<
<TextField variant="outlined"
                                                  label="Email Address
                                                 onChange={this.handleEmailChange}/>
                                                 name="password"
label="Password'
                                                 onChange={this.handlePasswordChange}/
                                  {loginError && (
                                        <Typography component="p"
                                             className={classes.submit}
onClick={this.handleSubmit}>
function mapStateToProps(state) {
            isLoggingIn: state.auth.isLoggingIn.
export default withStyles(styles)(connect(mapStateToProps)(Login));
```

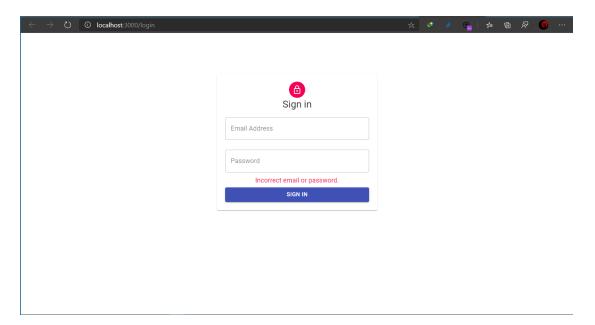
 $10. \ \, \text{Lalu membuat halaman home , halaman home ini adalah protected koponen dimana untuk mengaksesnya harus login dulu}$

```
src components Mathematics Amount Amoun
```

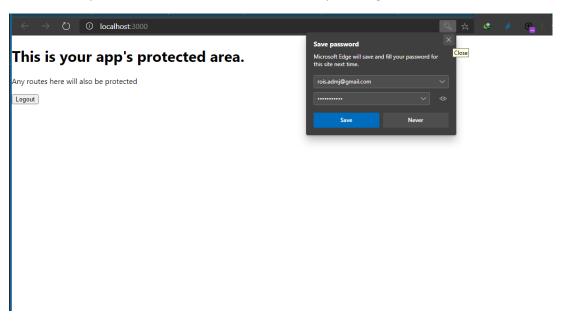
Berikut hasil dari program diatas



Jika belum diisikan email dan password makan akan terjadi incorrect password



Jika user dan password sudah terdaftar maka user dapat mengakses halaman home



Lalu jika logout diklik akan keluar ke halaman login lagi