**Cài đăt react native firebase**

Mở CMD máy lên và chạy để Run app.

Chạy lệnh để tạo project : expo init AwesomeProject

Mở project bằng các phần mền như: Visual Code, Sublime Text….

Cài thêm thư viện:

Chạy cmd từ project lên:

npm install -g firebase-tools

firebase login

firebase init

Sau khi cài đặt và chạy thành công thì tạo một số component chính như Login, Register, Welcome, ...

Cài thêm thư viện react-navigation

npm install --save react-navigation

Để kết nối đến firebase thì vào đọc tài liệu ở https://firebase.google.com/docs/auth/web/password-auth?authuser=0 nó viết cho mình sẵn method

firebase.auth().createUserWithEmailAndPassword(email, password).catch(function(error) {

// Handle Errors here.

var errorCode = error.code;

var errorMessage = error.message;

// ...

});

firebase.auth().signInWithEmailAndPassword(email, password).catch(function(error) {

// Handle Errors here.

var errorCode = error.code;

var errorMessage = error.message;

});

Tạo file Login.js

Nội dung là:

# components/Login.js

import React from 'react';

import {AppRegistry, StyleSheet, Text, View, TouchableOpacity, Button, TextInput, Alert} from 'react-native';

import {StackNavigator,} from 'react-navigation';

import {firebaseApp} from './FirebaseConfig';

import {EMAIL, PASSWORD} from './Regexs';

import styles from './Styles';

class Login extends React.Component {

static navigationOptions = {header: null}

constructor(props){

super(props);

this.state = {

email: '',

password: '',

emailValid: true,

passwordValid: true

}

}

validate(type, value){

if(type == "email"){

this.setState({email: value})

if(value == '' || EMAIL.test(value)){

this.setState({emailValid: true})

} else {

this.setState({emailValid: false})

}

} else if(type == "password"){

this.setState({password: value})

if(value == '' || PASSWORD.test(value)){

this.setState({passwordValid: true})

} else {

this.setState({passwordValid: false})

}

}

}

\_login(){

if(this.state.emailValid && this.state.passwordValid && this.state.email != '' && this.state.password != ''){

firebaseApp.auth().signInWithEmailAndPassword(this.state.email, this.state.password)

.then(()=>{

const {navigate} = this.props.navigation;

navigate('welcome');

})

.catch(function(error){

Alert.alert(

'Login fail',

'email or password invalid',

[

{text: 'Cancel', onPress: () => console.log('Cancel Pressed'), style: 'cancel'},

{text: 'OK', onPress: () => console.log('OK Pressed')},

],

{cancelable: false}

)

});

} else {

if(this.state.email == '' && this.state.password == ''){

Alert.alert(

'Login',

'Please enter email and password',

[

{text: 'Cancel', onPress: () => console.log('Cancel Pressed'), style: 'cancel'},

{text: 'OK', onPress: () => console.log('OK Pressed')},

],

{cancelable: false}

)

}

}

}

render() {

const {navigate} = this.props.navigation;

return(

<View style={styles.container}>

<TextInput

style={[styles.inputStyle, !this.state.emailValid? styles.error:null]}

placeholder='Email'

onChangeText={(email) => {this.validate("email", email)}}

value={this.state.email}

/>

<TextInput

style={[styles.inputStyle, !this.state.passwordValid? styles.error:null]}

placeholder='Password'

onChangeText={(password) => {this.validate("password", password)}}

value={this.state.password}

/>

<TouchableOpacity onPress={() => {this.\_login()}}>

<Text style={styles.btnText}>Login</Text>

</TouchableOpacity>

<TouchableOpacity onPress={() => navigate('register')}>

<Text style={styles.btnTextSignUp}>Register</Text>

</TouchableOpacity>

</View>

)

}

}

export default Login

Tiếp theo tạo file Register.js

Nội dung:

# components/Register.js

import React from 'react';

import {AppRegistry, StyleSheet, Text, View, TouchableOpacity, Button, TextInput, Alert} from 'react-native';

import {StackNavigator,} from 'react-navigation';

import {firebaseApp} from './FirebaseConfig';

import {EMAIL, PASSWORD} from './Regexs';

import styles from './Styles';

class Register extends React.Component {

static navigationOptions = {header: null}

constructor(props){

super(props);

this.state = {

email: '',

password: '',

emailValid: true,

passwordValid: true

}

}

validate(type, value){

if(type == "email"){

this.setState({email: value})

if(value == '' || EMAIL.test(value)){

this.setState({emailValid: true})

} else {

this.setState({emailValid: false})

}

} else if(type == "password"){

this.setState({password: value})

if(value == '' || PASSWORD.test(value)){

this.setState({passwordValid: true})

} else {

this.setState({passwordValid: false})

}

}

}

goLogin(){

const {navigate} = this.props.navigation;

navigate('login');

}

\_register(){

if(this.state.emailValid && this.state.passwordValid && this.state.email != '' && this.state.password != ''){

firebaseApp.auth().createUserWithEmailAndPassword(this.state.email, this.state.password)

.then(()=>{

Alert.alert(

'Register success',

'Click OK to get to the login page',

[

{text: 'Cancel', onPress: () => console.log('Cancel Pressed'), style: 'cancel'},

{text: 'OK', onPress: () => this.goLogin()},

],

{ cancelable: false }

)

this.setState({

email: '',

password: ''

})

})

.catch(function(error){

Alert.alert(

'Register fail',

'...',

[

{text: 'Cancel', onPress: () => console.log('Cancel Pressed'), style: 'cancel'},

{text: 'OK', onPress: () => console.log('OK Pressed')},

],

{cancelable: false}

)

});

} else {

if(this.state.email == '' && this.state.password == ''){

Alert.alert(

'Register account',

'Please enter email and password',

[

{text: 'Cancel', onPress: () => console.log('Cancel Pressed'), style: 'cancel'},

{text: 'OK', onPress: () => console.log('OK Pressed')},

],

{cancelable: false}

)

}

}

}

render() {

const {navigate} = this.props.navigation;

return(

<View style={styles.container}>

<TextInput

style={[styles.inputStyle, !this.state.emailValid? styles.error:null]}

placeholder='Email'

onChangeText={(email) => {this.validate("email", email)}}

value={this.state.email}

/>

<TextInput

style={[styles.inputStyle, !this.state.passwordValid? styles.error:null]}

placeholder='Password'

onChangeText={(password) => {this.validate("password", password)}}

value={this.state.password}

/>

<TouchableOpacity onPress={() => {this.\_register()}}>

<Text style={styles.btnText}>Register</Text>

</TouchableOpacity>

<TouchableOpacity onPress={() => navigate('login')}>

<Text style={styles.btnTextSignUp}>Login</Text>

</TouchableOpacity>

</View>

)

}

}

export default Register

Tạo file Welcome.js

Nội dung:

# components/Welcome.js

import React from 'react';

import {Text, View} from 'react-native';

import {StackNavigator,} from 'react-navigation';

class Welcome extends React.Component {

static navigationOptions = {header: null}

render() {

const {navigate} = this.props.navigation;

return(

<View style={{backgroundColor:'yellow', flex:1, justifyContent: 'center', alignItems: 'center'}}>

<Text style={{color:'red', marginTop: 50}}>Welcome !!!</Text>

</View>

)

}

}

export default Welcome

Tạo file Styles.js

Nội dung:

# components/Styles.js

import {StyleSheet} from 'react-native';

export default StyleSheet.create({

container: {

backgroundColor: '#26AE90',

flex: 1,

justifyContent: 'center',

paddingRight: 20,

paddingLeft: 20

},

inputStyle: {

backgroundColor: '#fff',

marginBottom: 15,

fontSize: 18,

paddingLeft: 15,

height: 40

},

btnText: {

backgroundColor: '#fff',

paddingBottom: 10,

paddingTop: 10,

fontSize: 18,

marginTop: 20,

textAlign: 'center'

},

btnTextSignUp: {

fontSize: 16,

color: '#fff',

marginTop: 30,

fontWeight: 'bold',

textAlign: 'center'

},

error: {

borderWidth: 2,

borderColor: 'red'

}

});

Tạo file Regexs.js

Nội dung:

# components/Regexs.js

export const PASSWORD = /^[a-zA-Z0-9]+$/;

export const EMAIL = /^(([^<>()\[\]\\.,;:\s@"]+(\.[^<>()\[\]\\.,;:\s@"]+)\*)|(".+"))@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}])|(([a-zA-Z\-0-9]+\.)+[a-zA-Z]{2,}))$/;

Tạo file FirebaseConfig.js

Nội dung:

# components/FirebaseConfig.js

import \* as firebase from 'firebase';

var config = {

apiKey: "XXXXXXXXXXXXXXXXXXX",

authDomain: "XXXXXXXXXXXXXXXXXXX",

databaseURL: "XXXXXXXXXXXXXXXXXXX",

projectId: "XXXXXXXXXXXXXXXXXXX",

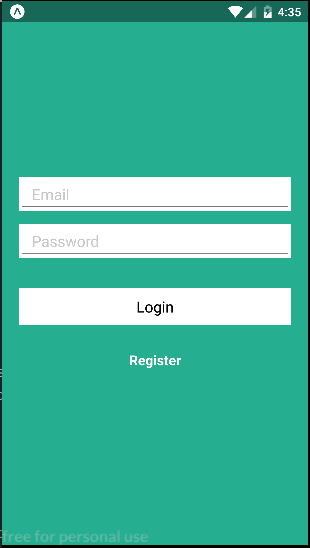
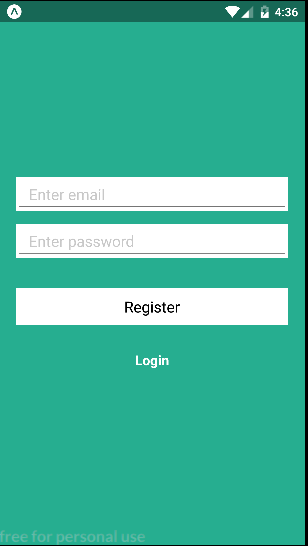
storageBucket: "XXXXXXXXXXXXXXXXXXX",

messagingSenderId: "XXXXXXXXXXXXXXXXXXX"

};

export const firebaseApp = firebase.initializeApp(config);

**Kết quả**

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