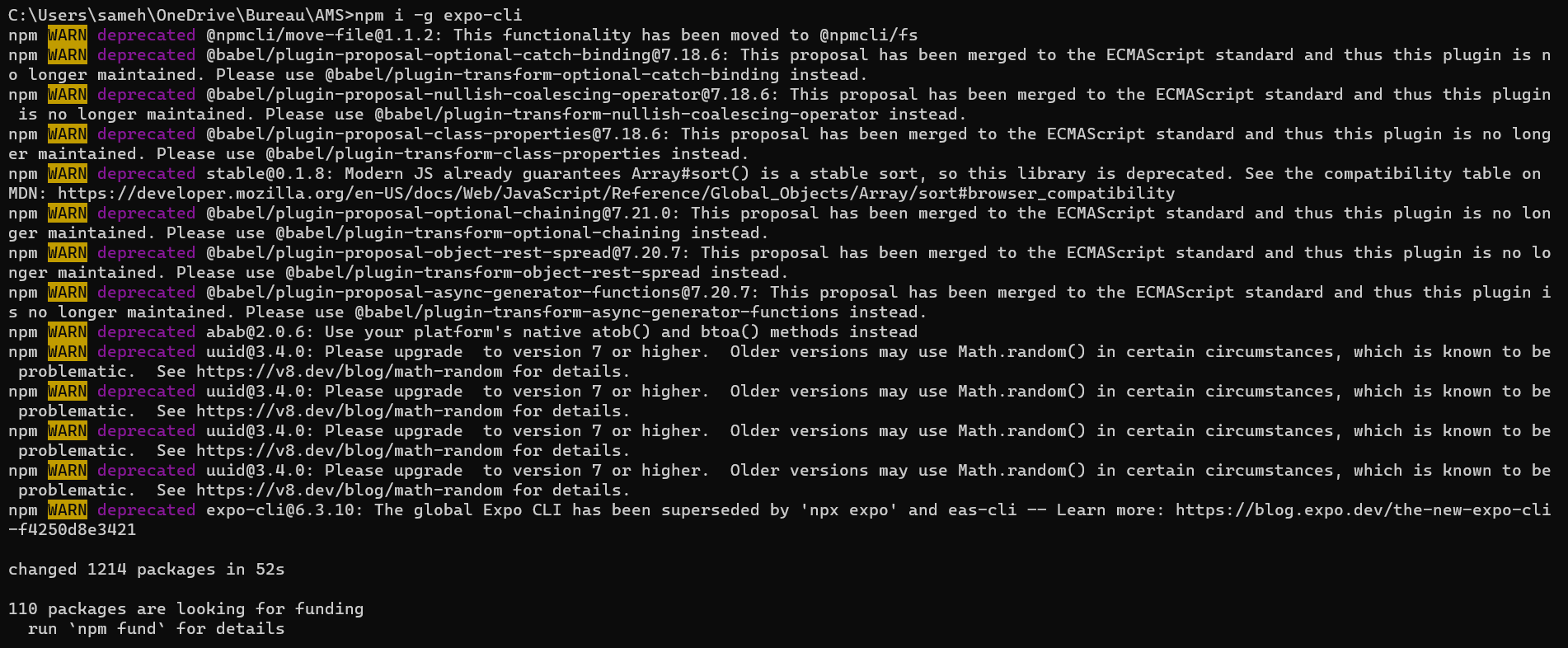
**Première Partie : Préparation de l’environnement et Initialisation du projet**

https://reactnative.dev/docs/environment-setup

Nous allons utiliser l’outil expo go permettant d’accélérer la création d’applications react native et présentant plusieurs services tel que le déploiement de notre application et la génération du code native.

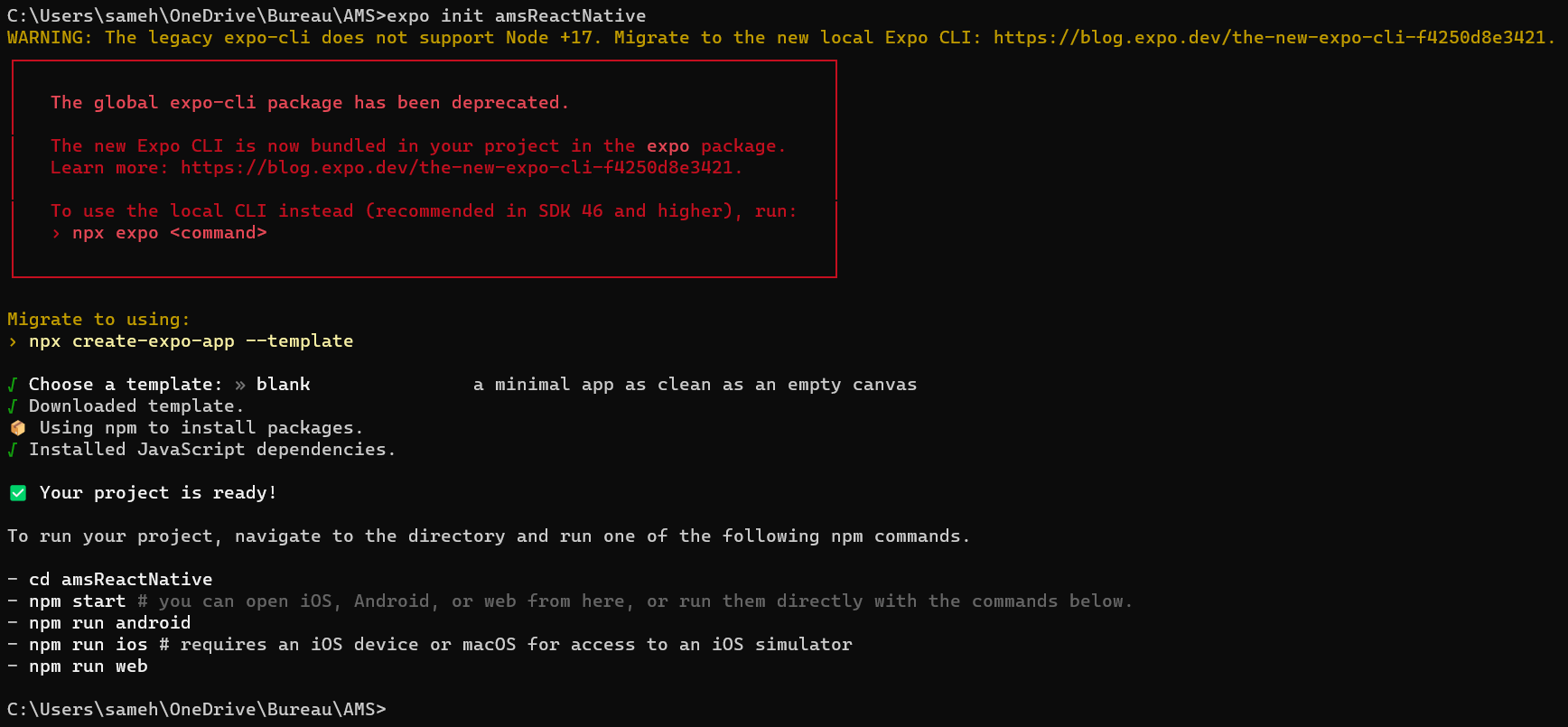
<https://expo.dev/>

npm i -g expo-cli



**Création d’un nouveau projet avec la commande suivante**

expo init amsReactNative



Par défaut notre projet est centralisé sur un fichier App.js avec le code suivant :

import { StatusBar } from 'expo-status-bar';

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

export default function App() {

  return (

    <View style={styles.container}>

      <Text>Open up App.js to start working on your app!</Text>

      <StatusBar style="auto" />

    </View>

  );

}

const styles = StyleSheet.create({

  container: {

    flex: 1,

    backgroundColor: '#fff',

    alignItems: 'center',

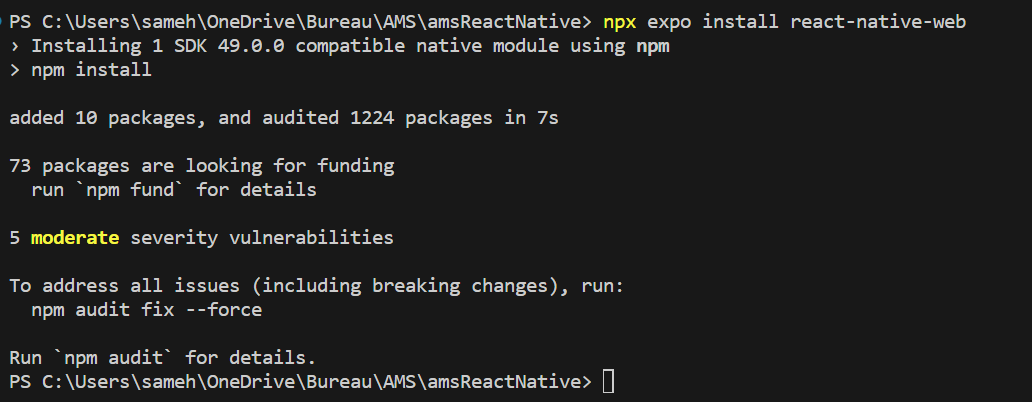
    justifyContent: 'center',

  },

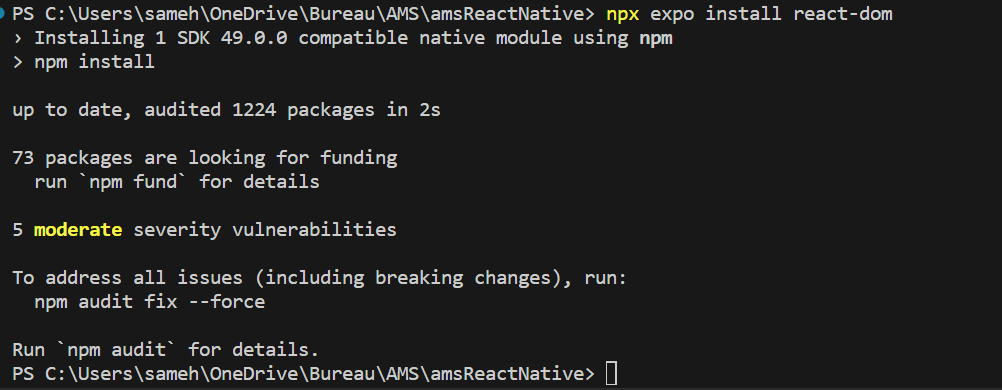
});

Commençons par installer quelques dépendances nécessaires pour le lancement de l’application sur un navigateur web :

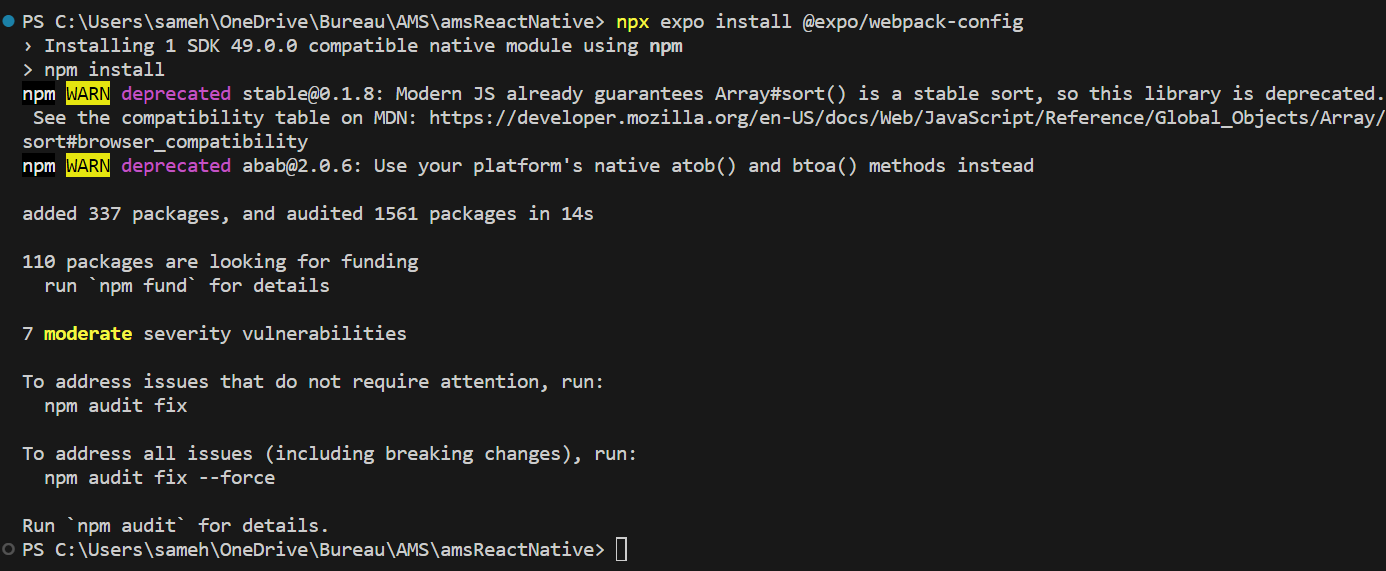
**npx expo install react-native-web( definition et role)**



**npx expo install** [**react-dom**](about:blank)**( definition et role)**

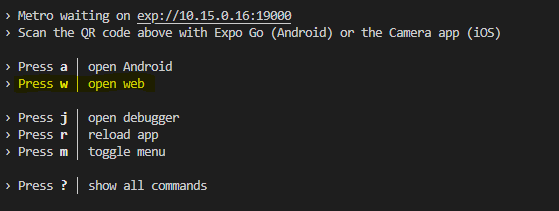


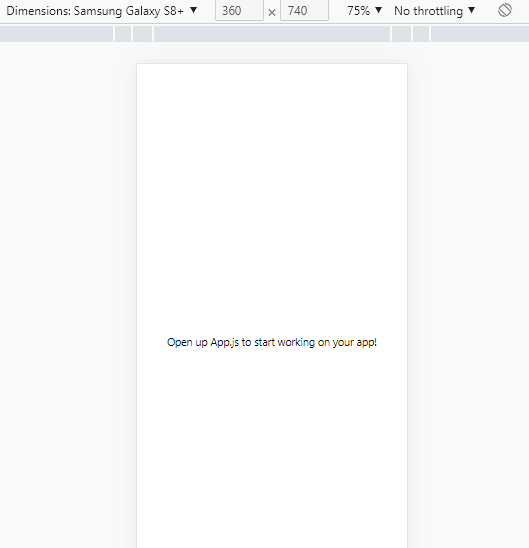
**npx expo install @expo/webpack-config( definition et role)**



Ensuite lançons l’application via la commande suivante :

**npm start**





**Deuxième Partie : Login et Register**

1. **Création des screens pour Login et Register**

On doit ajouter un nouveau dossier **screens** qui contient les screens de notre projet

Dans le dossier screens, on doit créer notre premier SignInScreen.js conçus pour l’authentification

On doit modifier App.js

import { StatusBar } from 'expo-status-bar';

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

import SignInScreen from './screens/SignInScreen';

export default function App() {

return (

<SafeAreaView style={styles.container}>

<SignInScreen/>

</SafeAreaView>

);

}

const styles = StyleSheet.create({

container: {

flex: 1,

backgroundColor: '#fff',

},

});

Maintenant on doit ajouter les composants pour les champs input

**SignInScreen.js**

import React, {useState} from 'react';

import { View, Text, Image, StyleSheet, TextInput,TouchableOpacity,ScrollView} from 'react-native';

const SignInScreen = props => {

const [password,setPassword] = useState("")

const [username, setUsername] = useState('') ;

return (

<View style={{ flex: 1 ,backgroundColor: '#ffffff'}}>

<ScrollView contentContainerStyle={{ flexGrow: 1 }}>

<View style={{backgroundColor: '#ffffff',}}>

<View

style={{backgroundColor: '#DFF8F7', padding: 50,

borderBottomLeftRadius: 60}}>

<View

style={{justifyContent: 'center',

alignItems: 'center',marginTop:100}}>

<Image

style={{width: '100%',height: 120

}}

source={require('../assets/sip.png')} />

</View>

</View>

</View>

<View style={{backgroundColor: '#DFF8F7',}}>

<View style={{justifyContent: 'center',

backgroundColor: '#fff',

paddingHorizontal: 30,

borderTopRightRadius: 60}}>

<View style={styles.spacing\_big}></View>

<View style={styles.label}>

<Text style={styles.label}>Email</Text>

</View>

<TextInput

style={styles.input}

setValue={setUsername}

onChangeText={setUsername}

value={username}

/>

<View style={styles.spacing}></View>

<View style={styles.label}>

<Text style={styles.label}>Mot de passe</Text>

</View>

<View style={styles.passwordInputContainer}>

<TextInput

style={styles.passwordInput}

value={password}

onChangeText={setPassword}

secureTextEntry

/>

</View>

<View style={styles.spacing}></View>

<TouchableOpacity >

<View

style={{

margin: 10,

backgroundColor: '#07B0A8' ,

justifyContent: 'center',

alignItems: 'center',

borderRadius: 100,

paddingVertical: 10,}}>

<Text

style={{

color:'white',

fontSize: 20 }}>Connexion </Text>

</View>

</TouchableOpacity>

</View>

</View>

</ScrollView>

<View style={styles.footer}>

<Text style={styles.text}>© 2024 Smart It Partner - Tous droits réservés</Text>

</View>

</View>

);

};

const styles = StyleSheet.create({

passwordInputContainer: {

flexDirection: 'row',

alignItems: 'center',

borderBottomWidth: 1,

borderColor: 'white',

backgroundColor: '#e7e7e7',

paddingHorizontal: 10,

borderRadius: 100,

},

passwordInput: {

flex: 1,

height: 40,

},

spacing: {

margin: 10

},

spacing\_big: {

margin: 10

},

label: {

fontWeight: '300',

paddingLeft: 5,

fontSize: 17,

color: '#999',

},

input: {

height: 40,

margin: 5,

borderRadius: 100,

backgroundColor: '#e7e7e7',

padding: 10,

},

imagecontainer: {

justifyContent: 'center',

alignItems: 'center',

},

image\_logo: {

width: 200,

height: 200,

resizeMode: 'contain',

},

card: {

backgroundColor: '#fff',

padding: 10,

margin: 10,

borderRadius: 7,

elevation: 5,

marginTop: 100,

},

footer: {

backgroundColor: 'white',

paddingVertical: 10,

alignItems: 'center',

},

text: {

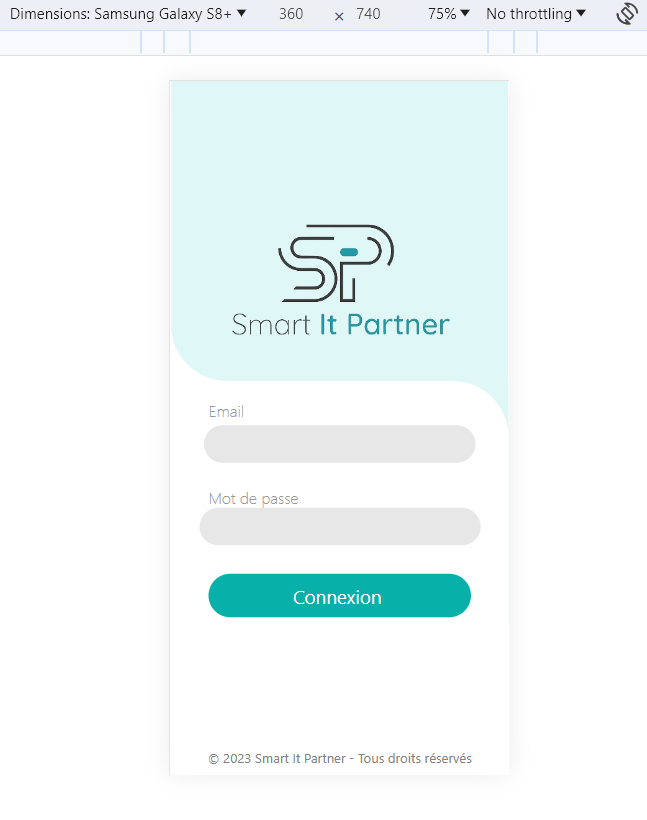
color: 'gray',

fontSize: 14,

},

});

export default SignInScreen;

****

**SignUpScreen.js**

**import React, {useState} from 'react';**

**import { View, Text, Image, StyleSheet, TextInput,TouchableOpacity,ScrollView} from 'react-native';**

**const SignUpScreen = props => {**

**const [password,setPassword] = useState("")**

**const [username, setUsername] = useState('') ;**

**const [nom, setNom] = useState('') ;**

**const [prenom, setPrenom] = useState('') ;**

**return (**

**<View style={{ flex: 1 ,backgroundColor: '#ffffff'}}>**

**<ScrollView contentContainerStyle={{ flexGrow: 1 }}>**

**<View style={{backgroundColor: '#ffffff',}}>**

**<View**

**style={{backgroundColor: '#DFF8F7', padding: 50,**

**borderBottomLeftRadius: 60}}>**

**<View**

**style={{justifyContent: 'center',**

**alignItems: 'center',marginTop:30}}>**

**<Image**

**style={{width: '100%',height: 120**

**}}**

**source={require('../assets/sip.png')} />**

**</View>**

**</View>**

**</View>**

**<View style={{backgroundColor: '#DFF8F7',}}>**

**<View style={{justifyContent: 'center',**

**backgroundColor: '#fff',**

**paddingHorizontal: 30,**

**borderTopRightRadius: 60}}>**

**<View style={styles.spacing\_big}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Nom </Text>**

**</View>**

**<TextInput**

**style={styles.input}**

**setValue={setNom}**

**onChangeText={setNom}**

**value={nom}**

**/>**

**<View style={styles.spacing\_big}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Prénom</Text>**

**</View>**

**<TextInput**

**style={styles.input}**

**setValue={setPrenom}**

**onChangeText={setPrenom}**

**value={prenom}**

**/>**

**<View style={styles.spacing\_big}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Email</Text>**

**</View>**

**<TextInput**

**style={styles.input}**

**setValue={setUsername}**

**onChangeText={setUsername}**

**value={username}**

**/>**

**<View style={styles.spacing}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Mot de passe</Text>**

**</View>**

**<View style={styles.passwordInputContainer}>**

**<TextInput**

**style={styles.passwordInput}**

**value={password}**

**onChangeText={setPassword}**

**secureTextEntry**

**/>**

**</View>**

**<View style={styles.spacing}></View>**

**<TouchableOpacity >**

**<View**

**style={{**

**margin: 10,**

**backgroundColor: '#07B0A8' ,**

**justifyContent: 'center',**

**alignItems: 'center',**

**borderRadius: 100,**

**paddingVertical: 10,}}>**

**<Text**

**style={{**

**color:'white',**

**fontSize: 20 }}>S’inscrire </Text>**

**</View>**

**</TouchableOpacity>**

**</View>**

**</View>**

**</ScrollView>**

**<View style={styles.footer}>**

**<Text style={styles.text}>© 2024 Smart It Partner - Tous droits réservés</Text>**

**</View>**

**</View>**

**);**

**};**

**const styles = StyleSheet.create({**

**passwordInputContainer: {**

**flexDirection: 'row',**

**alignItems: 'center',**

**borderBottomWidth: 1,**

**borderColor: 'white',**

**backgroundColor: '#e7e7e7',**

**paddingHorizontal: 10,**

**borderRadius: 100,**

**},**

**passwordInput: {**

**flex: 1,**

**height: 40,**

**},**

**spacing: {**

**margin: 10**

**},**

**spacing\_big: {**

**margin: 10**

**},**

**label: {**

**fontWeight: '300',**

**paddingLeft: 5,**

**fontSize: 17,**

**color: '#999',**

**},**

**input: {**

**height: 40,**

**margin: 5,**

**borderRadius: 100,**

**backgroundColor: '#e7e7e7',**

**padding: 10,**

**},**

**imagecontainer: {**

**justifyContent: 'center',**

**alignItems: 'center',**

**},**

**image\_logo: {**

**width: 200,**

**height: 200,**

**resizeMode: 'contain',**

**},**

**card: {**

**backgroundColor: '#fff',**

**padding: 10,**

**margin: 10,**

**borderRadius: 7,**

**elevation: 5,**

**marginTop: 100,**

**},**

**footer: {**

**backgroundColor: 'white',**

**paddingVertical: 10,**

**alignItems: 'center',**

**},**

**text: {**

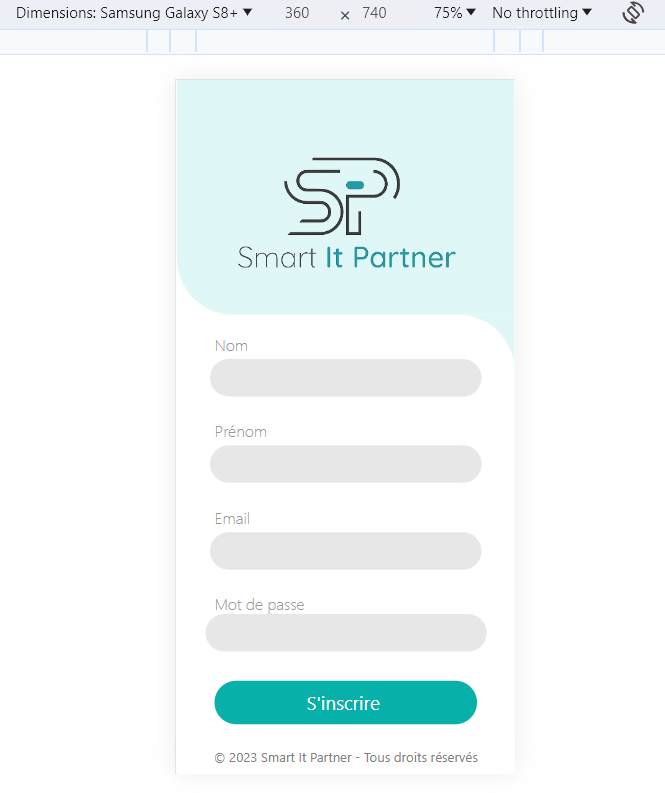
**color: 'gray',**

**fontSize: 14,**

**},**

**});**

**export default SignUpScreen;**

****

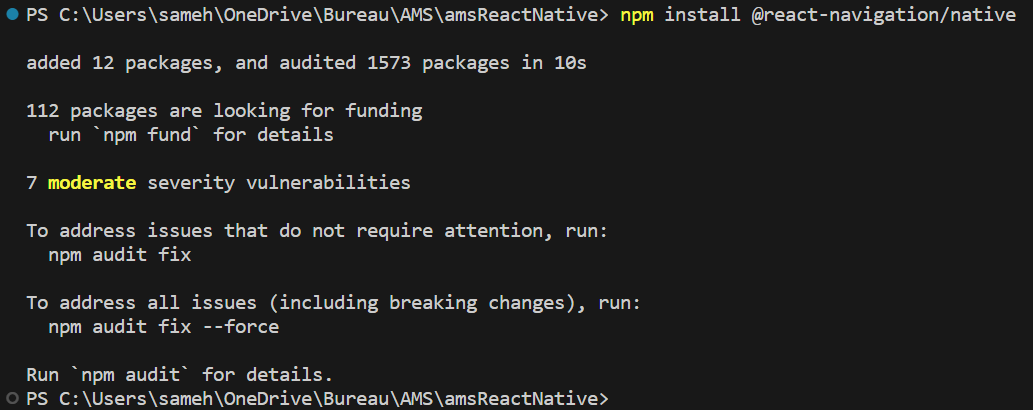
1. **React Navigation**

* **Utilisation StackNavigator**

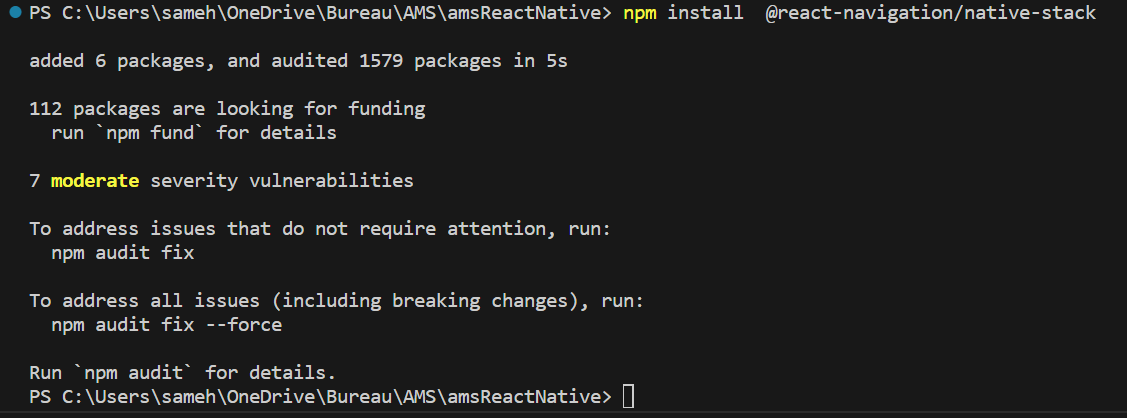
**Installation**

**https://reactnative.dev/docs/navigation#react-navigation**

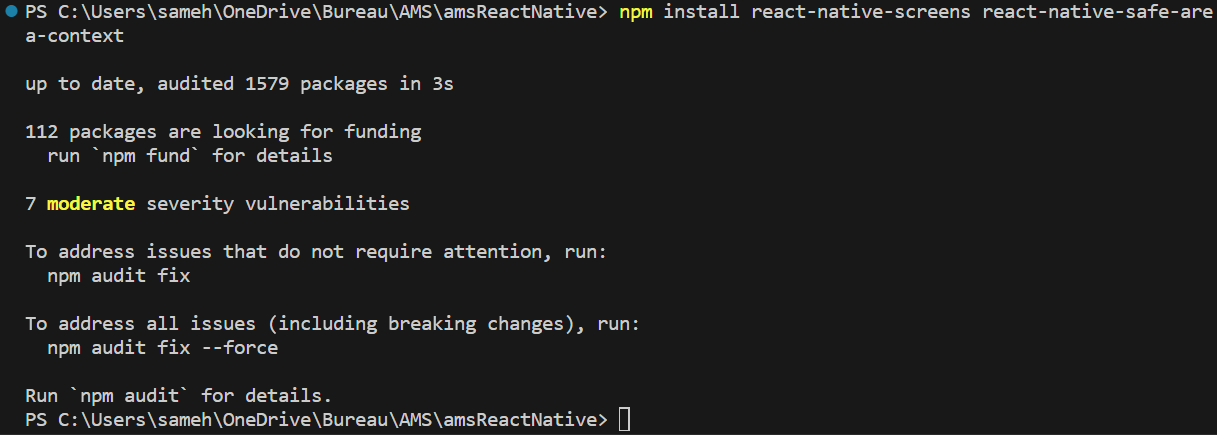
**npm install @react-navigation/native**



**npm install @react-navigation/native-stack**



**npm install react-native-screens react-native-safe-area-context**



On doit ajouter un nouveau dossier **navigation**

Dans ce dossier on doit créer un fichier **index.js**

**import { StyleSheet} from 'react-native'**

**import \* as React from 'react'**

**import {NavigationContainer} from '@react-navigation/native';**

**import {createNativeStackNavigator} from '@react-navigation/native-stack';**

**import SignInScreen from '../screens/SignInScreen';**

**import SignUpScreen from '../screens/SignUpScreen';**

**const Stack = createNativeStackNavigator();**

**const Navigation = () => {**

**return (**

**<NavigationContainer>**

**<Stack.Navigator screenOptions={{headerShown:false}}>**

**<Stack.Screen name="Login" component={SignInScreen} />**

**<Stack.Screen name="Register" component={SignUpScreen} />**

**</Stack.Navigator>**

**</NavigationContainer>**

**)**

**}**

**const styles = StyleSheet.create({**

**container: {**

**flex: 1,**

**backgroundColor:'#F8FEFE'**

**},**

**});**

**export default Navigation**

**App.js**

**import { StatusBar } from 'expo-status-bar';**

**import { StyleSheet, Text, View ,SafeAreaView,Image} from 'react-native';**

**import Navigation from './navigation';**

**export default function App() {**

**return (**

**<SafeAreaView style={styles.container}>**

**<Navigation />**

**</SafeAreaView>**

**);**

**}**

**const styles = StyleSheet.create({**

**container: {**

**flex: 1,**

**backgroundColor:'#F8FEFE'**

**},**

**});**

Utilisation navigation dans SignInScreen et SignUpScreen

**SignInScreen.js**

**import React, {useState} from 'react';**

**import { View, Text, Image, StyleSheet, TextInput,TouchableOpacity,ScrollView,Button} from 'react-native';**

**import { useNavigation } from '@react-navigation/native'**

**const SignInScreen = props => {**

**const [password,setPassword] = useState("")**

**const [username, setUsername] = useState('') ;**

**const navigation=useNavigation();**

**const onSignUpPressed= () =>{**

**navigation.navigate('Register')**

**}**

**return (**

**<View style={{ flex: 1 ,backgroundColor: '#ffffff'}}>**

**<ScrollView contentContainerStyle={{ flexGrow: 1 }}>**

**<View style={{backgroundColor: '#ffffff',}}>**

**<View**

**style={{backgroundColor: '#DFF8F7', padding: 50,**

**borderBottomLeftRadius: 60}}>**

**<View**

**style={{justifyContent: 'center',**

**alignItems: 'center',marginTop:100}}>**

**<Image**

**style={{width: '100%',height: 120**

**}}**

**source={require('../assets/sip.png')} />**

**</View>**

**</View>**

**</View>**

**<View style={{backgroundColor: '#DFF8F7',}}>**

**<View style={{justifyContent: 'center',**

**backgroundColor: '#fff',**

**paddingHorizontal: 30,**

**borderTopRightRadius: 60}}>**

**<View style={styles.spacing\_big}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Email</Text>**

**</View>**

**<TextInput**

**style={styles.input}**

**setValue={setUsername}**

**onChangeText={setUsername}**

**value={username}**

**/>**

**<View style={styles.spacing}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Mot de passe</Text>**

**</View>**

**<View style={styles.passwordInputContainer}>**

**<TextInput**

**style={styles.passwordInput}**

**value={password}**

**onChangeText={setPassword}**

**/>**

**</View>**

**<View style={styles.spacing}></View>**

**<TouchableOpacity >**

**<View**

**style={{**

**margin: 10,**

**backgroundColor: '#07B0A8' ,**

**justifyContent: 'center',**

**alignItems: 'center',**

**borderRadius: 100,**

**paddingVertical: 10,}}>**

**<Text**

**style={{**

**color:'white',**

**fontSize: 20 }}>Connexion </Text>**

**</View>**

**</TouchableOpacity>**

**<TouchableOpacity onPress={onSignUpPressed}>**

**<View**

**style={{**

**margin: 10,**

**backgroundColor: 'white' ,**

**justifyContent: 'center',**

**alignItems: 'center',**

**borderRadius: 100,**

**paddingVertical: 10,}}>**

**<Text**

**style={{**

**color:'#07B0A8',**

**fontSize: 20 }}>S'inscrire </Text>**

**</View>**

**</TouchableOpacity>**

**</View>**

**</View>**

**</ScrollView>**

**<View style={styles.footer}>**

**<Text style={styles.text}>© 2024 Smart It Partner - Tous droits réservés</Text>**

**</View>**

**</View>**

**);**

**};**

**const styles = StyleSheet.create({**

**passwordInputContainer: {**

**flexDirection: 'row',**

**alignItems: 'center',**

**borderBottomWidth: 1,**

**borderColor: 'white',**

**backgroundColor: '#e7e7e7',**

**paddingHorizontal: 10,**

**borderRadius: 100,**

**},**

**passwordInput: {**

**flex: 1,**

**height: 40,**

**},**

**spacing: {**

**margin: 10**

**},**

**spacing\_big: {**

**margin: 10**

**},**

**label: {**

**fontWeight: '300',**

**paddingLeft: 5,**

**fontSize: 17,**

**color: '#999',**

**},**

**input: {**

**height: 40,**

**margin: 5,**

**borderRadius: 100,**

**backgroundColor: '#e7e7e7',**

**padding: 10,**

**},**

**imagecontainer: {**

**justifyContent: 'center',**

**alignItems: 'center',**

**},**

**image\_logo: {**

**width: 200,**

**height: 200,**

**resizeMode: 'contain',**

**},**

**card: {**

**backgroundColor: '#fff',**

**padding: 10,**

**margin: 10,**

**borderRadius: 7,**

**elevation: 5,**

**marginTop: 100,**

**},**

**footer: {**

**backgroundColor: 'white',**

**paddingVertical: 10,**

**alignItems: 'center',**

**},**

**text: {**

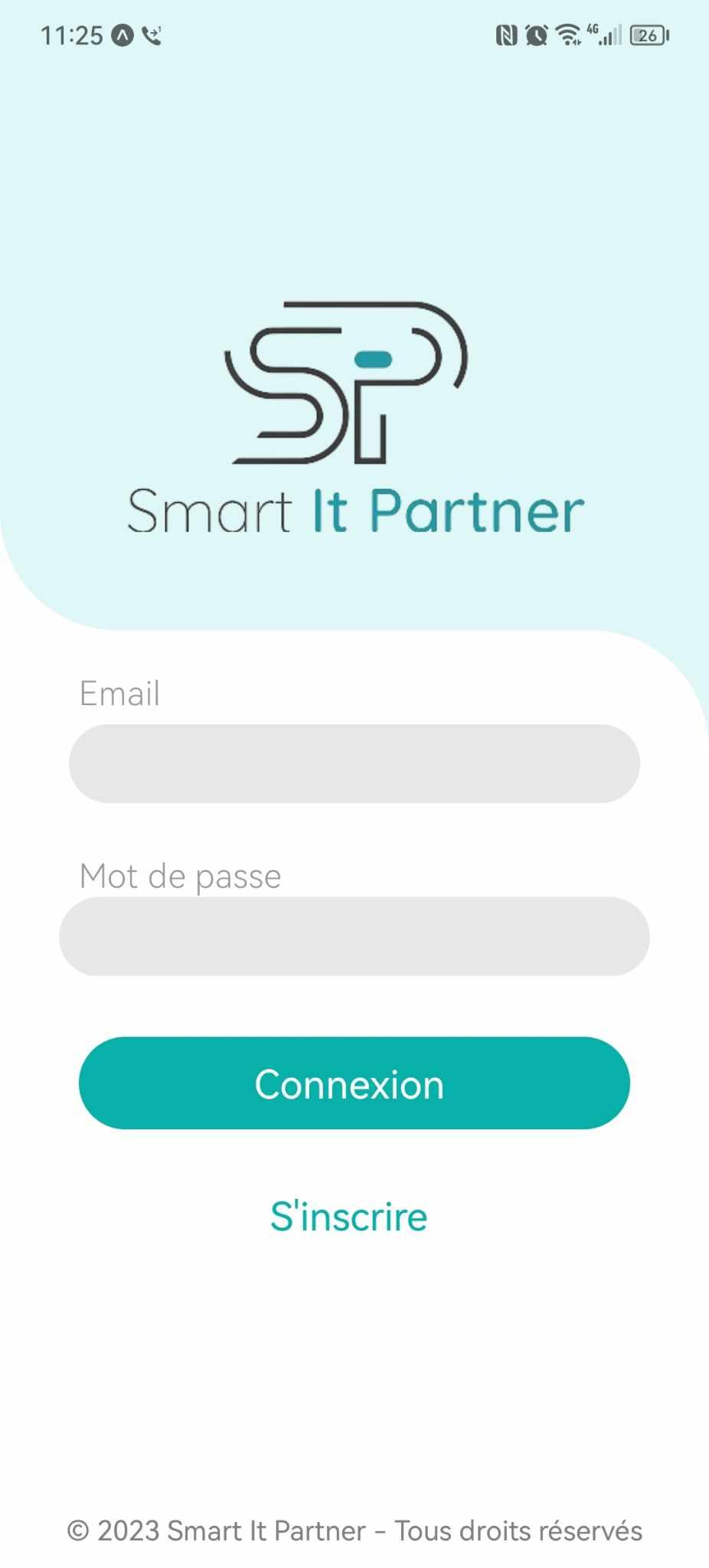
**color: 'gray',**

**fontSize: 14,**

**},**

**});**

**export default SignInScreen;**



On doit modifier **App.js**

**import { StatusBar,StyleSheet, Text, View ,SafeAreaView,Image} from 'react-native';**

**import Navigation from './navigation';**

**export default function App() {**

**return (**

**<SafeAreaView style={styles.container}>**

**<Navigation />**

**</SafeAreaView>**

**);**

**}**

**const styles = StyleSheet.create({**

**container: {**

**flex: 1,**

**backgroundColor:'#F8FEFE'**

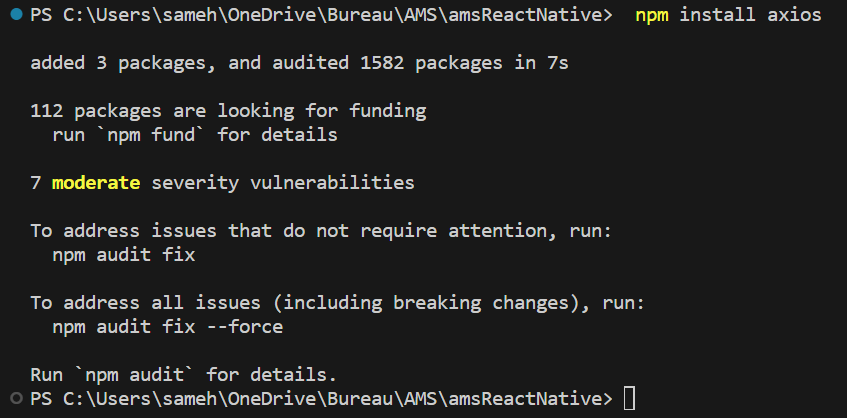
**},**

**});**

1. **Consommation de l’API**

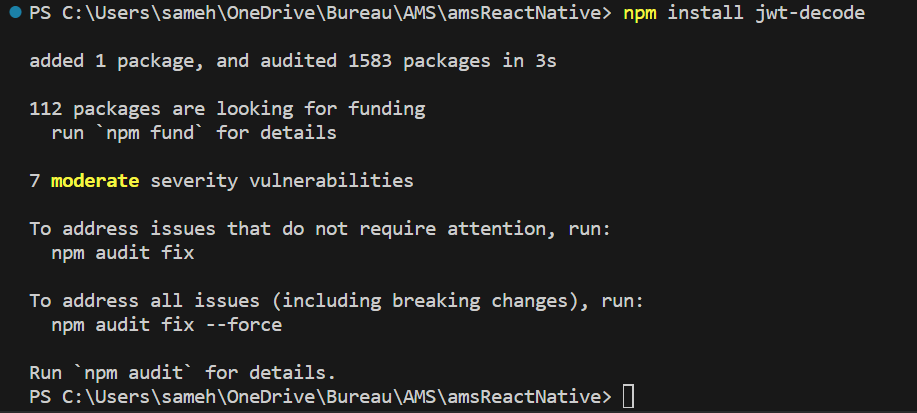
**Installation des dépendances nécessaires**

**npm install axios**

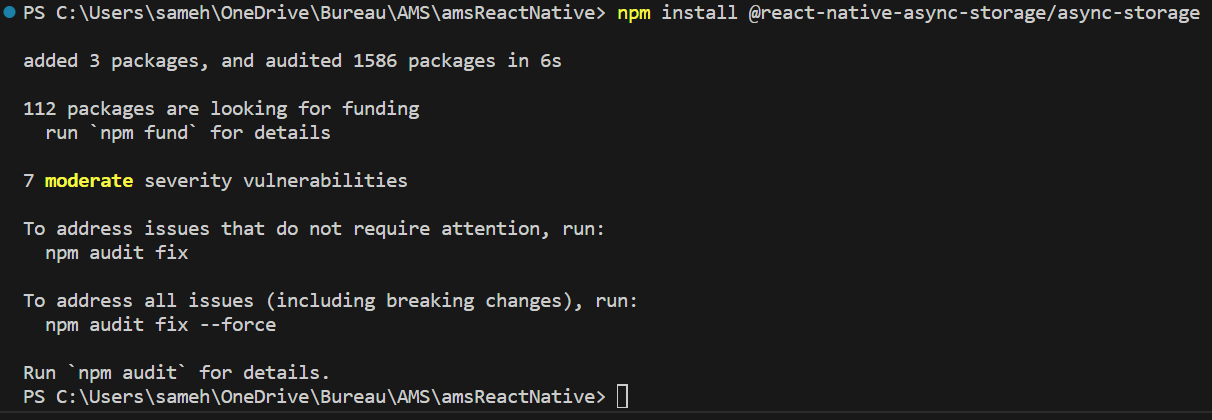


**npm install jwt-decode**

**ensuite installer la dépendance :core-js : npm install core-js**



**npm install @react-native-async-storage/async-storage**



**Modification coté Symfony**

On doit ajouter dans le dossier **src** un nouveau dossier **Events** dans lequel on doit ajouter **JwtCreatedSubscriber.php**

**<?php**

**namespace App\Events;**

**use Lexik\Bundle\JWTAuthenticationBundle\Event\JWTCreatedEvent;**

**class JwtCreatedSubscriber**

**{**

**public function updateJwtData (JWTCreatedEvent $event)**

**{**

**$user= $event->getUser();**

**$data = $event->getData();**

**$data['id']=$user->getId();**

**$data['nom']=$user->getNom();**

**$data['prenom']=$user->getPrenom();**

**$data['email']=$user->getEmail();**

**$event->setData($data);**

**}**

**}**

**Dans fichier service**

**App\Events\JwtCreatedSubscriber:**

**tags:**

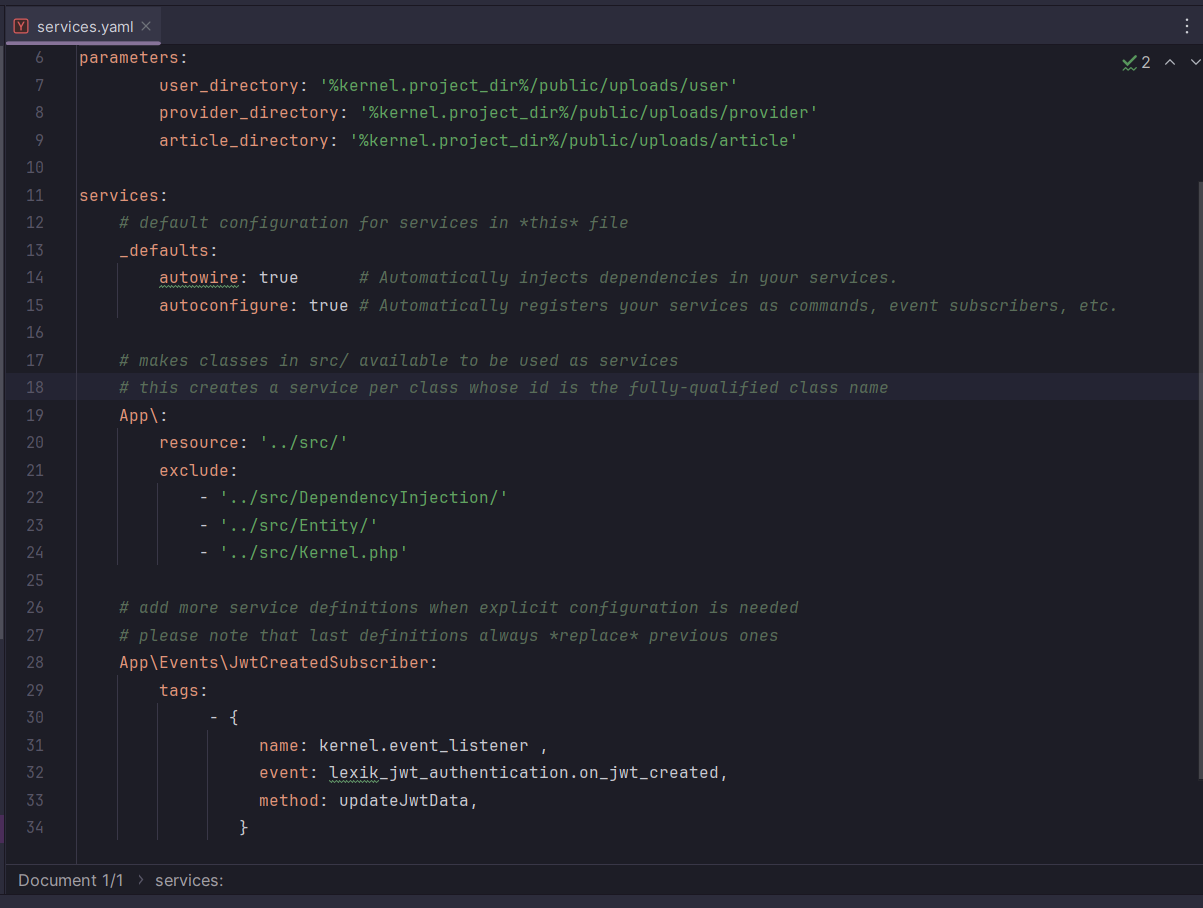
**- {**

**name: kernel.event\_listener ,**

**event: lexik\_jwt\_authentication.on\_jwt\_created,**

**method: updateJwtData,**

**}**



**Coté ReactNative**

On doit ajouter un nouveau dossier **service** où on va ajouter **authtoken.js**

import axios from "axios";

import asyncStorage from "@react-native-async-storage/async-storage/src/AsyncStorage";

import {jwtDecode} from "jwt-decode";

function logout()

{

asyncStorage.removeItem('token')

delete axios.defaults.headers['Authorization'];

}

function authentificate(newUser)

{

return axios

.post('https://ams.smart-it-partner.com/api/login\_check', newUser)

.then(response=>response.data.token)

.then(token=>{ asyncStorage.setItem('token',token);

setaxiostoken(token) ;

});

}

const getToken = async () => {

try {

const token = await asyncStorage.getItem("token");

if (token)

{

const jwtdata = jwtDecode(token);

console.log(jwtdata.exp \* 1000 ,new Date().getTime());

if (jwtdata.exp \* 1000 > new Date().getTime())

{

setaxiostoken(token) ;

}

else

{

logout();

}

}

else

{

logout();

}

} catch (error) {

console.log(error);

}

};

function setaxiostoken(token)

{

axios.defaults.headers['Authorization'] = 'Bearer ' + token

}

export default {

authentificate,logout,getToken

};

On doit modifier **SignInScreen.js**

**import React, {useState} from 'react';**

**import { View, Text, Image, StyleSheet, TextInput,TouchableOpacity,ScrollView,Button} from 'react-native';**

**import { useNavigation } from '@react-navigation/native'**

**import asyncStorage from "@react-native-async-storage/async-storage/src/AsyncStorage";**

import {jwtDecode} from "jwt-decode";

**import authtoken from '../service/authtoken';**

**const SignInScreen = props => {**

**const [username, setUsername]=useState('amine.mezghich@gmail.com');**

**const [password, setPassword]=useState('123456');**

**const navigation=useNavigation();**

**const onSignUpPressed= () =>{**

**navigation.navigate('Register')**

**}**

**let newUser = {**

**username:username,**

**password:password,**

**}**

**const [error, setError] =useState("");**

**const handleSubmit = async event=> {**

**try{**

**await authtoken.authentificate(newUser);**

**setError("");**

**const token = await asyncStorage.getItem("token");**

**const jwtdata = jwtDecode(token);**

**await asyncStorage.setItem("email",jwtdata.email);**

**await asyncStorage.setItem("id",JSON.stringify(jwtdata.id));**

**navigation.navigate('Home');**

**}**

**catch(error){**

**setError("invalid");**

**}**

**}**

**return (**

**<View style={{ flex: 1 ,backgroundColor: '#ffffff'}}>**

**<ScrollView contentContainerStyle={{ flexGrow: 1 }}>**

**<View style={{backgroundColor: '#ffffff',}}>**

**<View**

**style={{backgroundColor: '#DFF8F7', padding: 50,**

**borderBottomLeftRadius: 60}}>**

**<View**

**style={{justifyContent: 'center',**

**alignItems: 'center',marginTop:100}}>**

**<Image**

**style={{width: '100%',height: 120**

**}}**

**source={require('../assets/sip.png')} />**

**</View>**

**</View>**

**</View>**

**<View style={{backgroundColor: '#DFF8F7',}}>**

**<View style={{justifyContent: 'center',**

**backgroundColor: '#fff',**

**paddingHorizontal: 30,**

**borderTopRightRadius: 60}}>**

**<View style={styles.spacing\_big}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Email</Text>**

**</View>**

**<TextInput**

**style={styles.input}**

**setValue={setUsername}**

**onChangeText={setUsername}**

**value={username}**

**/>**

**<View style={styles.spacing}></View>**

**<View style={styles.label}>**

**<Text style={styles.label}>Mot de passe</Text>**

**</View>**

**<View style={styles.passwordInputContainer}>**

**<TextInput**

**style={styles.passwordInput}**

**value={password}**

**onChangeText={setPassword}**

**secureTextEntry**

**/>**

**</View>**

**<View style={styles.spacing}></View>**

**<TouchableOpacity onPress={handleSubmit}>**

**<View**

**style={{**

**margin: 10,**

**backgroundColor: '#07B0A8' ,**

**justifyContent: 'center',**

**alignItems: 'center',**

**borderRadius: 100,**

**paddingVertical: 10,}}>**

**<Text**

**style={{**

**color:'white',**

**fontSize: 20 }}>Connexion </Text>**

**</View>**

**</TouchableOpacity>**

**<TouchableOpacity onPress={onSignUpPressed}>**

**<View**

**style={{**

**margin: 10,**

**backgroundColor: 'white' ,**

**justifyContent: 'center',**

**alignItems: 'center',**

**borderRadius: 100,**

**paddingVertical: 10,}}>**

**<Text**

**style={{**

**color:'#07B0A8',**

**fontSize: 20 }}>S'inscrire </Text>**

**</View>**

**</TouchableOpacity>**

**</View>**

**</View>**

**</ScrollView>**

**<View style={styles.footer}>**

**<Text style={styles.text}>© 2023 Smart It Partner - Tous droits réservés</Text>**

**</View>**

**</View>**

**);**

**};**

**const styles = StyleSheet.create({**

**passwordInputContainer: {**

**flexDirection: 'row',**

**alignItems: 'center',**

**borderBottomWidth: 1,**

**borderColor: 'white',**

**backgroundColor: '#e7e7e7',**

**paddingHorizontal: 10,**

**borderRadius: 100,**

**},**

**passwordInput: {**

**flex: 1,**

**height: 40,**

**},**

**spacing: {**

**margin: 10**

**},**

**spacing\_big: {**

**margin: 10**

**},**

**label: {**

**fontWeight: '300',**

**paddingLeft: 5,**

**fontSize: 17,**

**color: '#999',**

**},**

**input: {**

**height: 40,**

**margin: 5,**

**borderRadius: 100,**

**backgroundColor: '#e7e7e7',**

**padding: 10,**

**},**

**imagecontainer: {**

**justifyContent: 'center',**

**alignItems: 'center',**

**},**

**image\_logo: {**

**width: 200,**

**height: 200,**

**resizeMode: 'contain',**

**},**

**card: {**

**backgroundColor: '#fff',**

**padding: 10,**

**margin: 10,**

**borderRadius: 7,**

**elevation: 5,**

**marginTop: 100,**

**},**

**footer: {**

**backgroundColor: 'white',**

**paddingVertical: 10,**

**alignItems: 'center',**

**},**

**text: {**

**color: 'gray',**

**fontSize: 14,**

**},**

**});**

**export default SignInScreen;**

**Register**

**Coté Symfony**

**#[Route('/register/mobile', name: 'app\_mobile',methods: ['POST','GET'])]**

**public function register(UserRepository $userRepository, MailerInterface $mailer,Request $request,UserPasswordHasherInterface $userPasswordHasher,EntityManagerInterface $entityManager): Response**

**{**

**$nom=$request->request->get('nom');**

**$prenom=$request->request->get('prenom');**

**$email = $request->request->get('email');**

**$password = $request->request->get('password');**

**$user = new User();**

**$user->setPassword(**

**$userPasswordHasher->hashPassword(**

**$user,**

**$password**

**)**

**);**

**$user->setEmail($email);**

**$user->setNom($nom);**

**$user->setPrenom($prenom);**

**$user->setRoles(['ROLE\_AGENT']);**

**$entityManager->persist($user);**

**$entityManager->flush();**

**$emails = (new TemplatedEmail())**

**->from(new Address('support@sip-academy.com', 'Smart It Partner '))**

**->to($user->getEmail())**

**->subject('Bienvenue sur Smart It Partner')**

**->htmlTemplate(**

**'registration/email.html.twig'**

**)**

**->context([**

**'emails' => $user->getEmail(),**

**'password' => $password,'user'=>$user,**

**]);**

**$mailer->send($emails);**

**return new JsonResponse();**

**}**

**Coté React Native**

On doit modifier **SignUpScreen**

import React, {useState} from 'react';

import { View, Text, Image, StyleSheet, TextInput,TouchableOpacity,ScrollView} from 'react-native';

import { useNavigation } from '@react-navigation/native'

import axios from "axios";

import {jwtDecode} from "jwt-decode";

import asyncStorage from "@react-native-async-storage/async-storage/src/AsyncStorage";

const SignUpScreen = props => {

const [password,setPassword] = useState("")

const [username, setUsername] = useState('') ;

const [nom, setNom] = useState('') ;

const [prenom, setPrenom] = useState('') ;

const navigation=useNavigation();

const addUserData = async () => {

const formData = new FormData();

if (nom.trim() === ''&& prenom.trim() === '' && password.trim() === '' && email.trim() === '') {

Alert.alert('Erreur', 'Une erreur est survenue lors de l\'inscription');

return;

}

formData.append('password', password);

formData.append('email', username);

formData.append('nom', nom);

formData.append('prenom', prenom);

try {

const response = await axios.post("https://ams.smart-it-partner.com/register/mobile", formData, {

headers: { 'Content-Type': 'multipart/form-data' },

});

alert('Votre compte a été crée avec succès!');

navigation.navigate('Login');

} catch (error) {

Alert.alert('Erreur', 'Une erreur est survenue lors de l\'inscription', error);

}

};

const onSignInPressed= () =>{

navigation.navigate('Login')

}

return (

<View style={{ flex: 1 ,backgroundColor: '#ffffff'}}>

<ScrollView contentContainerStyle={{ flexGrow: 1 }}>

<View style={{backgroundColor: '#ffffff',}}>

<View

style={{backgroundColor: '#DFF8F7', padding: 50,

borderBottomLeftRadius: 60}}>

<View

style={{justifyContent: 'center',

alignItems: 'center',marginTop:30}}>

<Image

style={{width: '100%',height: 120

}}

source={require('../assets/sip.png')} />

</View>

</View>

</View>

<View style={{backgroundColor: '#DFF8F7',}}>

<View style={{justifyContent: 'center',

backgroundColor: '#fff',

paddingHorizontal: 30,

borderTopRightRadius: 60}}>

<View style={styles.spacing\_big}></View>

<View style={styles.label}>

<Text style={styles.label}>Nom </Text>

</View>

<TextInput

style={styles.input}

setValue={setNom}

onChangeText={setNom}

value={nom}

/>

<View style={styles.spacing\_big}></View>

<View style={styles.label}>

<Text style={styles.label}>Prénom</Text>

</View>

<TextInput

style={styles.input}

setValue={setPrenom}

onChangeText={setPrenom}

value={prenom}

/>

<View style={styles.spacing\_big}></View>

<View style={styles.label}>

<Text style={styles.label}>Email</Text>

</View>

<TextInput

style={styles.input}

setValue={setUsername}

onChangeText={setUsername}

value={username}

/>

<View style={styles.spacing}></View>

<View style={styles.label}>

<Text style={styles.label}>Mot de passe</Text>

</View>

<View style={styles.passwordInputContainer}>

<TextInput

style={styles.passwordInput}

value={password}

onChangeText={setPassword}

secureTextEntry

/>

</View>

<View style={styles.spacing}></View>

<TouchableOpacity onPress={addUserData}>

<View

style={{

margin: 10,

backgroundColor: '#07B0A8' ,

justifyContent: 'center',

alignItems: 'center',

borderRadius: 100,

paddingVertical: 10,}}>

<Text

style={{

color:'white',

fontSize: 20 }}>S'inscrire </Text>

</View>

</TouchableOpacity>

<TouchableOpacity onPress={onSignInPressed}>

<View

style={{

margin: 10,

backgroundColor: 'white' ,

justifyContent: 'center',

alignItems: 'center',

borderRadius: 100,

paddingVertical: 10,}}>

<Text

style={{

color:'#07B0A8',

fontSize: 20 }}>Connexion </Text>

</View>

</TouchableOpacity>

</View>

</View>

</ScrollView>

<View style={styles.footer}>

<Text style={styles.text}>© 2023 Smart It Partner - Tous droits réservés</Text>

</View>

</View>

);

};

const styles = StyleSheet.create({

passwordInputContainer: {

flexDirection: 'row',

alignItems: 'center',

borderBottomWidth: 1,

borderColor: 'white',

backgroundColor: '#e7e7e7',

paddingHorizontal: 10,

borderRadius: 100,

},

passwordInput: {

flex: 1,

height: 40,

},

spacing: {

margin: 10

},

spacing\_big: {

margin: 10

},

label: {

fontWeight: '300',

paddingLeft: 5,

fontSize: 17,

color: '#999',

},

input: {

height: 40,

margin: 5,

borderRadius: 100,

backgroundColor: '#e7e7e7',

padding: 10,

},

imagecontainer: {

justifyContent: 'center',

alignItems: 'center',

},

image\_logo: {

width: 200,

height: 200,

resizeMode: 'contain',

},

card: {

backgroundColor: '#fff',

padding: 10,

margin: 10,

borderRadius: 7,

elevation: 5,

marginTop: 100,

},

footer: {

backgroundColor: 'white',

paddingVertical: 10,

alignItems: 'center',

},

text: {

color: 'gray',

fontSize: 14,

},

});

export default SignUpScreen;

**HomeScreen**

On doit ajouter **HomeScreen** pour afficher les providers

import React, { useState,useEffect } from 'react'

import {

StyleSheet,

Text,

View,

Image,

FlatList

} from 'react-native'

import axios from "axios";

import asyncStorage from "@react-native-async-storage/async-storage/src/AsyncStorage";

const HomeScreen = () => {

const [providers, setProviders] = useState([]);

const fetchProviders = async () => {

const u= await asyncStorage.getItem("token");

axios.defaults.headers['Authorization'] = 'Bearer ' + u;

const a = await asyncStorage.getItem("id");

const res = await axios

.get("https://ams.smart-it-partner.com/api/providers")

.then(response=>response.data["hydra:member"])

setProviders(res);

console.log(res)

}

useEffect(() => {

fetchProviders();

}, []);

return (

<FlatList

enableEmptySections={true}

data={providers}

keyExtractor={item => item.id}

renderItem={({ item }) => {

return (

<View style={styles.box}>

<Image style={styles.image} source={{ uri:'https://ams.smart-it-partner.com/uploads/provider/'+ item.photo }} />

<View style={styles.boxContent}>

<Text style={styles.title}>{item.name}</Text>

<Text style={styles.description}>{item.adress}</Text>

<Text style={styles.description}>{item.email}</Text>

</View>

</View>

)

}}

/>

)

}

const styles = StyleSheet.create({

image: {

width: 100,

height: 100,

},

box: {

padding: 20,

marginTop: 5,

marginBottom: 5,

backgroundColor: 'white',

flexDirection: 'row',

},

boxContent: {

flex: 1,

flexDirection: 'column',

alignItems: 'flex-start',

marginLeft: 10,

},

title: {

fontSize: 18,

color: '#151515',

},

description: {

fontSize: 15,

color: '#646464',

},

view: {

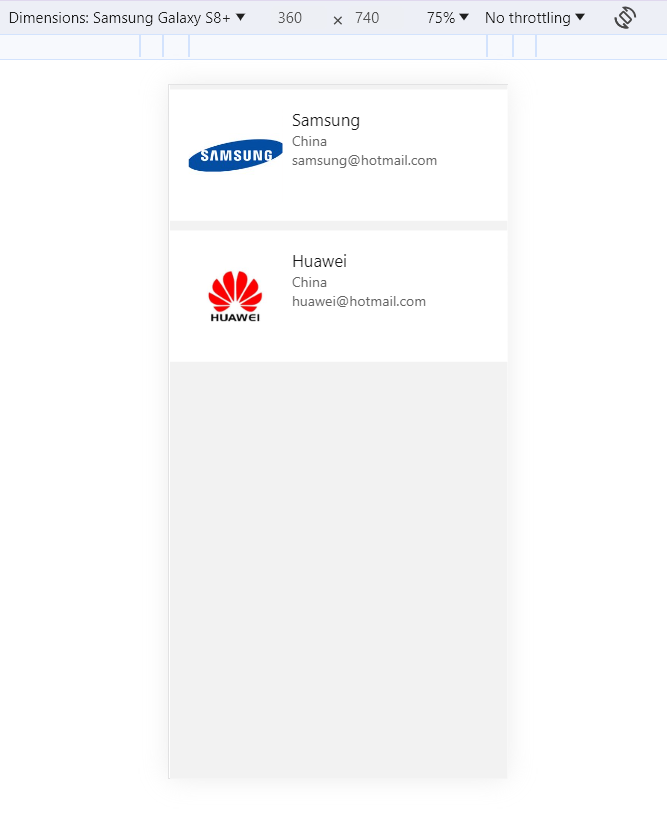
backgroundColor: '#eee',

},

})

export default HomeScreen;

Mettre à jour le fichier index.js



**Utilisation TabNavigator**

**npm install @react-navigation/bottom-tabs**

On doit ajouter TabNavigator.js dans le dossier navigation

import { StatusBar } from 'expo-status-bar';

import { StyleSheet } from 'react-native'

import {createBottomTabNavigator } from '@react-navigation/bottom-tabs';

import HomeScreen from '../screens/HomeScreen';

const tab = createBottomTabNavigator();

export default function TabNavigator() {

return (

<tab.Navigator>

<tab.Screen name="Home" component={HomeScreen} options={{ title: 'Providers' }}/>

</tab.Navigator>

);

}

const styles = StyleSheet.create({

container: {

flex: 1,

backgroundColor: '#fff',

alignItems: 'center',

justifyContent: 'center',

},

});

On doit modifier index.js

import { StyleSheet} from 'react-native'

import \* as React from 'react'

import {NavigationContainer} from '@react-navigation/native';

import {createNativeStackNavigator} from '@react-navigation/native-stack';

import SignInScreen from '../screens/SignInScreen';

import SignUpScreen from '../screens/SignUpScreen';

import TabNavigator from './TabNavigator';

const Stack = createNativeStackNavigator();

const Navigation = () => {

return (

<NavigationContainer>

<Stack.Navigator screenOptions={{headerShown:false}}>

<Stack.Screen name="Login" component={SignInScreen} />

<Stack.Screen name="Register" component={SignUpScreen} />

<Stack.Screen name="Home" component={TabNavigator} />

</Stack.Navigator>

</NavigationContainer>

)

}

const styles = StyleSheet.create({

container: {

flex: 1,

backgroundColor:'#F8FEFE'

},

});

export default Navigation

Installer la dépendences npm i ionicons

On peut modifier les icons dans le tab

import { StatusBar } from 'expo-status-bar';

import { StyleSheet } from 'react-native'

import {createBottomTabNavigator } from '@react-navigation/bottom-tabs';

import HomeScreen from '../screens/HomeScreen';

import Ionicons from 'react-native-vector-icons/Ionicons';

const tab = createBottomTabNavigator();

export default function TabNavigator() {

return (

<tab.Navigator

screenOptions={({ route }) => ({

tabBarIcon: ({ focused, color, size }) => {

let iconName;

if (route.name == "Home") { iconName = "home-outline"; }

return (

<Ionicons

name={iconName}

color={color}

size={size}

/>

);

},

})}>

<tab.Screen name="Home" component={HomeScreen} options={{ title: 'Providers' }}/>

</tab.Navigator>

);

}

const styles = StyleSheet.create({

container: {

flex: 1,

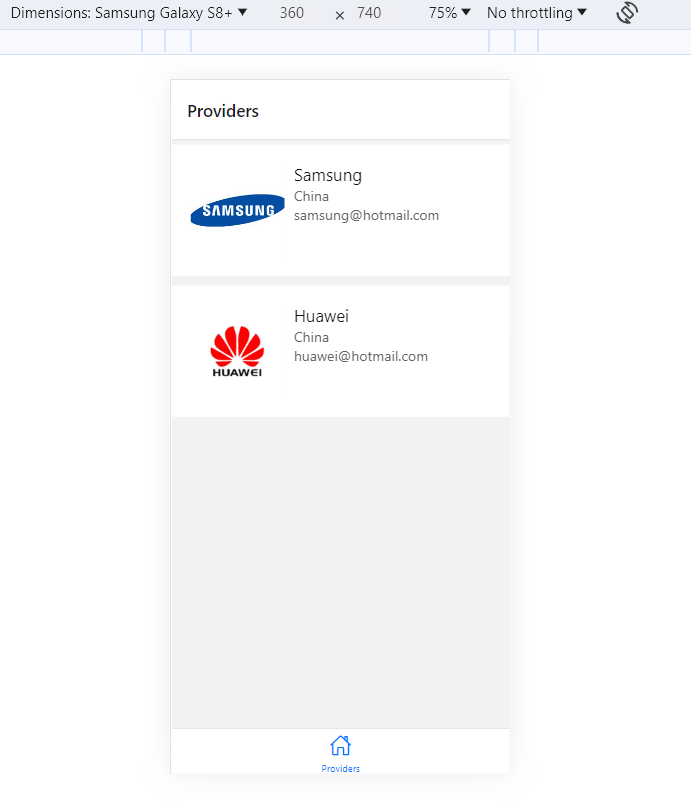
backgroundColor: '#fff',

alignItems: 'center',

justifyContent: 'center',

},

});



On peut ajouter **ArticleScreen** pour consulter les articles

import React, { useState,useEffect } from 'react'

import {

StyleSheet,

Text,

View,

Image,

FlatList

} from 'react-native'

import axios from "axios";

import asyncStorage from "@react-native-async-storage/async-storage/src/AsyncStorage";

const ArticleScreen = () => {

const [articles, setArticles] = useState([]);

const fetchArticles = async () => {

const u= await asyncStorage.getItem("token");

axios.defaults.headers['Authorization'] = 'Bearer ' + u;

const a = await asyncStorage.getItem("id");

const res = await axios

.get("https://ams.smart-it-partner.com/api/articles")

.then(response=>response.data["hydra:member"])

setArticles(res);

}

useEffect(() => {

fetchArticles();

}, []);

return (

<FlatList

enableEmptySections={true}

data={articles}

keyExtractor={item => item.id}

renderItem={({ item }) => {

return (

<View style={styles.box}>

<Image style={styles.image} source={{ uri:'https://ams.smart-it-partner.com/uploads/article/'+ item.photo }} />

<View style={styles.boxContent}>

<Text style={styles.title}>{item.name}</Text>

<Text style={styles.description}>{item.prix}</Text>

</View>

</View>

)

}}

/>

)

}

const styles = StyleSheet.create({

image: {

width: 100,

height: 100,

},

box: {

padding: 20,

marginTop: 5,

marginBottom: 5,

backgroundColor: 'white',

flexDirection: 'row',

},

boxContent: {

flex: 1,

flexDirection: 'column',

alignItems: 'flex-start',

marginLeft: 10,

},

title: {

fontSize: 18,

color: '#151515',

},

description: {

fontSize: 15,

color: '#646464',

},

view: {

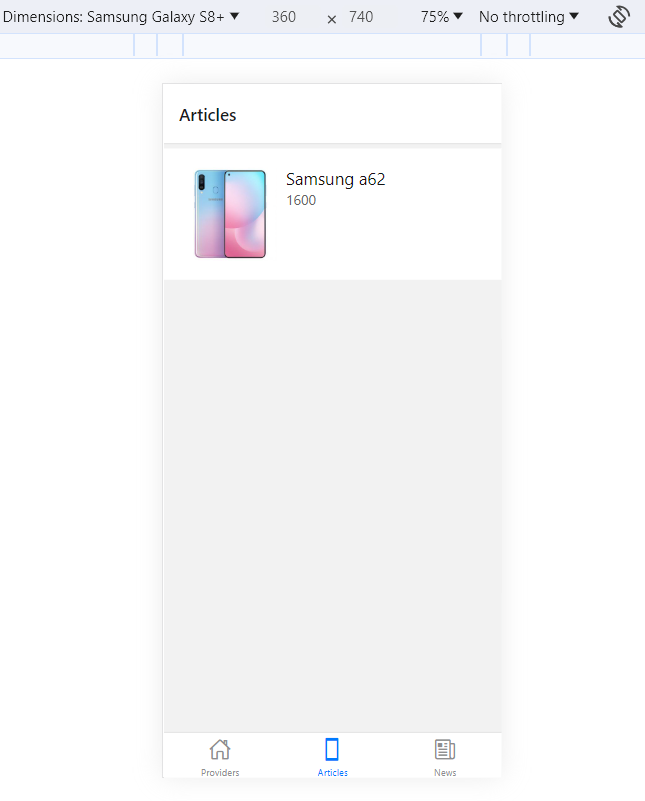
backgroundColor: '#eee',

},

})

export default ArticleScreen

;



**NewsScreen**

**Installer la librairie moment :** npm i moment

import React ,{useState,useEffect}from 'react';

import { View, Text, Image, StyleSheet, ScrollView, TouchableOpacity } from 'react-native';

import axios from "axios";

import asyncStorage from "@react-native-async-storage/async-storage/src/AsyncStorage";

import Moment from 'moment';

const NewScreen = () => {

const [news, setNews] = useState([]);

const fetchNews = async () => {

const u= await asyncStorage.getItem("token");

axios.defaults.headers['Authorization'] = 'Bearer ' + u;

const a = await asyncStorage.getItem("id");

const res = await axios

.get("https://ams.smart-it-partner.com/api/news")

.then(response=>response.data["hydra:member"])

setNews(res);

}

useEffect(() => {

fetchNews();

}, []);

return (

<ScrollView>

{news.map(post => (

<TouchableOpacity key={post.id} style={styles.post}>

<Image source={{ uri:'https://ams.smart-it-partner.com/uploads/news/'+ post.image }} style={styles.postImage} />

<View style={styles.postContent}>

<Text style={styles.postTitle}>{post.titre}</Text>

<Text style={styles.postMeta}>

{Moment(post.date).format('DD-MM-YYYY')}

</Text>

<Text style={styles.postExcerpt}>{post.description}</Text>

</View>

</TouchableOpacity>

))}

</ScrollView>

);

};

const styles = StyleSheet.create({

post: {

marginBottom: 20,

},

postImage: {

width: '100%',

height: 200,

},

postContent: {

padding: 20,

},

postTitle: {

fontSize: 20,

fontWeight: 'bold',

marginBottom: 10,

},

postMeta: {

fontSize: 14,

color: '#999',

marginBottom: 10,

},

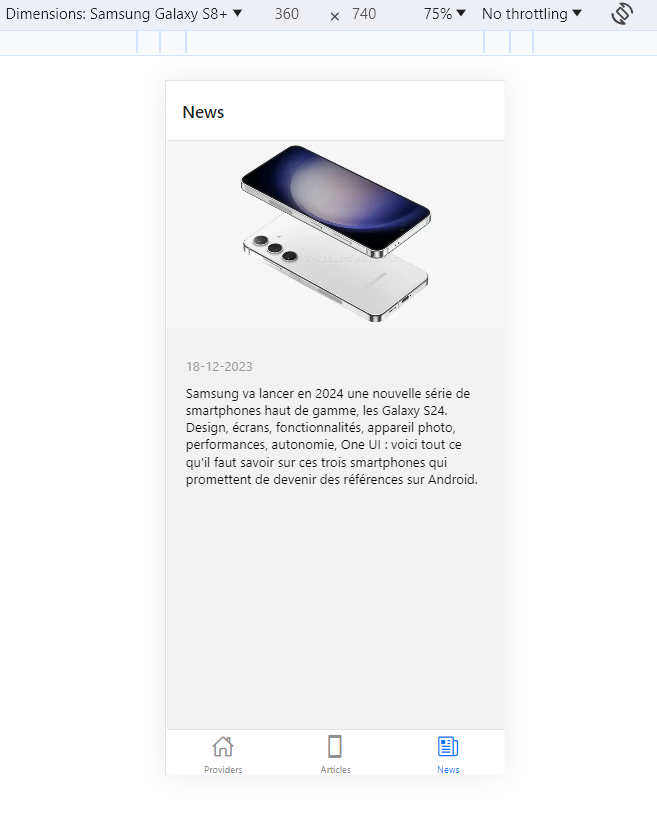
postExcerpt: {

fontSize: 14,

},

});

export default NewScreen;



***Bon travail !***