

TALLER REACT NATIVE

El objetivo es desarrollar una app en react native para un login, conectado a una api REST para obtener la autenticación y usar contex para compartir las variables de estado en toda la app

Generar la aplicación React Native

Instalación del cliente react native

npm install -g expo-cli

Crear el proyecto expo init <nuestraApp>

expo init appsenha

```
----- Managed workflow -----
Choose a template:
----- Managed workflow -----
Choose a template:
----- Managed workflow -----
Choose a template:
----- Managed workflow -----
Choose a template:
----- Managed workflow -----
Choose a template:
----- Managed workflow -----
blank          a minimal app as clean as an empty canvas
blank <TypeScript>  same as blank but with TypeScript configuration
> tabs          several example screens and tabs using react-navigation

----- Bare workflow -----
minimal        bare and minimal, just the essentials to get you started

minimal <TypeScript>  same as minimal but with TypeScript configuration
```

Escogemos blank a minimal app (template en blanco)

Inicializamos la app

npm start

```
Starting project at D:\SENA_CLASES_2024\NATIVE\appsena
Starting Metro Bundler

<img alt="QR code for Expo Go" data-bbox="235 115 428 282"/>

> Metro waiting on exp://192.168.0.15:8081
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)

> Web is waiting on http://localhost:8081

> Using Expo Go
> Press s | switch to development build

> Press a | open Android
> Press w | open web
```

Escogemos donde ver nuestra app un emulador o podemos ver en web
En caso de no tener la opción de web podemos instalar la dependencias

npx expo install react-native-web react-dom @expo/metro-runtime

Instalación de las dependencias necesarios

npm install @react-native-material/core

npm install axios

En nuestra aplicación creamos la carpeta **src** en esta carpeta creamos tres carpetas **components service contex**

myContext.js
<pre>import { createContext } from 'react'; export const MyContext = createContext("");</pre>
Services / login.js
<pre>import axios from "axios"; const END_POINT = "http://localhost/appsena/api/login-user.php"; export const loginUser = async (data) => {</pre>

```
try {  
  //console.log("loginUser data ... " + JSON.stringify(data));  
  
  const response = await axios.post(END_POINT, data);  
  // console.log("loginUser ... " + JSON.stringify(response.data));  
  return response.data;  
} catch (error) {  
  return "error" + error;  
}  
};
```

NOTA para este ejercicio vamos a usar el back en php entrado en clase, puede usar su back del proyecto

Componet / Login.js

```
import React from "react";  
import { useEffect, useState } from "react";  
import { Text, Box, Stack, Button, TextInput, IconButton } from  
"@react-native-material/core";  
import Icon from "@expo/vector-icons/MaterialCommunityIcons";  
import { loginUser } from "../services/login.js";  
  
import { useContext } from 'react';  
import { MyContext } from "../context/myContext.js";  
  
export default function Login() {  
  
  const { user, setUser } = useContext(MyContext)  
  
  const [userName, setUserName] = useState("");  
  const [userPass, setUserPass] = useState("");  
  const [vacio, setVacio] = useState(false);  
  const [msj, SetMsj] = useState(false);  
  
  useEffect(() => {  
    if (userName !== "" && userPass !== "") {  
      setVacio(true);  
    } else {  
      setVacio(false);  
    }  
  }, [userName, userPass]);  
  
  const handleSubit = (e) => {  
    e.preventDefault();  
    //console.log(` usuario ${userName} clave ${userPass}`);  
  
    let objeto = JSON.stringify({
```

```

        "correo_usuario": userName,
        "clave_usuario": userPass
    })
    console.log("objeto ... " + objeto);
    loginUser(objeto).then((response) => {
        //console.log("datos loginUser ... " + JSON.stringify(response));
        console.log (" resposne " + response.status )

        if (response.status) {
            console.log (" Usuario Logeado")
            SetMsj("")
            setUser(response.alldata[0])
            //console.log("datos   Logeado   ...   "   +
JSON.stringify(response.alldata[0]));

        } else {
            setUser(null)
            SetMsj("Usuario o contraseña errados ")
            console.log ( " no estas logeaddo ")
            return null
        }
    })
    .catch((error) => {
        console.log(error);
    });
}

return (
    <Stack spacing={2} style={{ margin: 16 }}>
        <Text style={{ color: "#ff0000"}}> {msj} </Text>
        <TextInput
            placeholder="Usuario"
            leading={props => <Icon name="account" {...props} />}
            onChange={(e) => setUsername(e.target.value)}
        />
        <TextInput
            secureTextEntry={true}
            placeholder="Contraseña"
            leading={props => <Icon name="key" {...props} />}
            onChange={(e) => setUserPass(e.target.value)}
        />
        <Button
            variant="contained"
            onPress={handleSubit}
            title="Login"
            disabled={vacio ? false : true}
        />
    </Stack>
)

```

```

    </Stack>
  );
}

```

App.js

```

import {useEffect , useState} from 'react'
import { StatusBar } from 'expo-status-bar';
import { StyleSheet, Text, View } from 'react-native';

import Login from './src/componets/Login';

import { MyContext } from './src/context/myContext'

export default function App() {

  const [user, setUser] = useState(null);

  useEffect(() => {
    console.log(` usuario context ${JSON.stringify(user)}`);
  }, [user]);

  return (
    <MyContext.Provider value={{ user, setUser }}>
      <View style={styles.container}>
        {user != null ? (
          <Text> Bienvendio {user.nombre_usuario} </Text>
        ) : (
          <Text> Hola Todos </Text>
        )}
        <Login/>
        <StatusBar style="auto" />
      </View>
    </MyContext.Provider>
  );
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: '#fff',
    alignItems: 'center',
    justifyContent: 'center',
  },
});

```