



**INSTITUTO TECNOLÓGICO DE TIJUANA**  
**SUBDIRECCIÓN ACADÉMICA**  
**DEPARTAMENTO DE SISTEMAS Y COMPUTACIÓN**



**SEMESTRE SEPTIEMBRE – ENERO 2020**

**DESARROLLO DE APLICACIONES  
PARA DISPOSITIVOS MÓVILES**

**TAREA**

**Práctica 2 React Native**

**Alumno:**

Cisneros Acosta José Enrique - 17211668  
Pimienta Castillo Kevin Aryam Christopher - 17210901

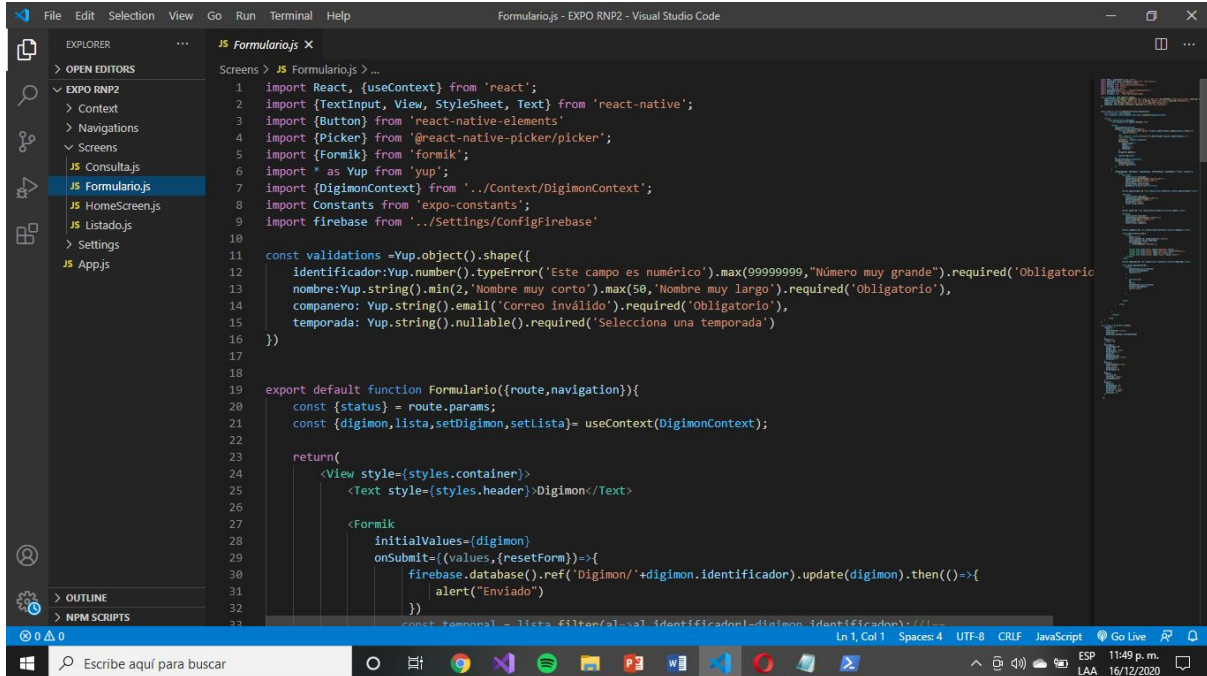
**Maestra:**

Daniela Adriana Sanchez Vizcarra

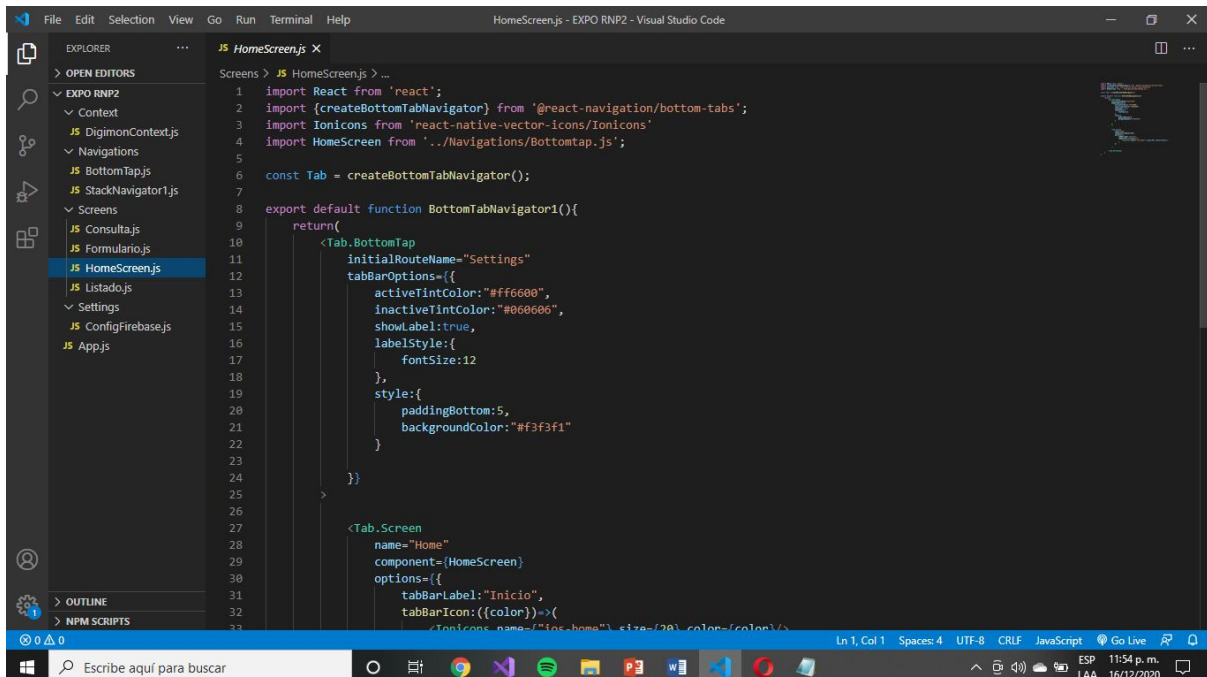


Github: <https://github.com/KevinPimienta/practicados>

Expo: <https://expo.io/@christopherpepper/projects/practicados>



```
1 import React, {useContext} from 'react';
2 import {TextInput, View, StyleSheet, Text} from 'react-native';
3 import {Button} from 'react-native-elements';
4 import {Picker} from '@react-native-picker/picker';
5 import {Formik} from 'formik';
6 import * as Yup from 'yup';
7 import {DigimonContext} from '../Context/DigimonContext';
8 import Constants from 'expo-constants';
9 import firebase from '../Settings/ConfigFirebase';
10
11 const validations = Yup.object().shape({
12   identificador: Yup.number().typeError('Este campo es numérico').max(999999999, "Número muy grande").required('Obligatorio'),
13   nombre: Yup.string().min(2, 'Nombre muy corto').max(50, 'Nombre muy largo').required('Obligatorio'),
14   companero: Yup.string().email('Correo inválido').required('Obligatorio'),
15   temporada: Yup.string().nullable().required('Selecciona una temporada')
16 })
17
18
19 export default function Formulario({route,navigation}){
20   const {status} = route.params;
21   const {digimon,lista,setDigimon,setLista}= useContext(DigimonContext);
22
23   return(
24     <View style=styles.container>
25       <Text style=styles.header>Digimon</Text>
26
27       <Formik
28         initialValues={digimon}
29         onSubmit=({values,{resetForm}})=>{
30           firebase.database().ref('Digimon/'+digimon.identificador).update(digimon).then(()=>{
31             alert("Enviado")
32           })
33         }
34       >
35     </View>
36   )
37 }
```



```
1 import React from 'react';
2 import {createBottomTabNavigator} from '@react-navigation/bottom-tabs';
3 import Ionicons from 'react-native-vector-icons/Ionicons';
4 import HomeScreen from '../Navigations/Bottomtap.js';
5
6 const Tab = createBottomTabNavigator();
7
8 export default function BottomTabNavigator1(){
9   return(
10     <Tab.BottomTab
11       initialRouteName="Settings"
12       tabBarOptions={{
13         activeTintColor:'#ff6600',
14         inactiveTintColor:'#060606',
15         showLabel:true,
16         labelStyle:{
17           fontSize:12
18         },
19         style:{
20           paddingBottom:5,
21           backgroundColor:'#f3f3f1'
22         }
23       }
24     >
25
26     <Tab.Screen
27       name="Home"
28       component={HomeScreen}
29       options={{
30         tabBarLabel:"Inicio",
31         tabBarIcon:({color})=>{
32           <Ionicons name="ios-home" size={20} color={color}/>
33         }
34       }
35     >
36   )
37 }
```



```
File Edit Selection View Go Run Terminal Help
Listadojs - EXPO RNP2 - Visual Studio Code

EXPLORER
> OPEN EDITORS
EXPO ...
  Context
  JS DigimonContext.js
  Navigations
  JS BottomTap.js
  JS StackNavigator1.js
  Screens
  JS Consultas.js
  JS Formulario.js
  JS HomeScreen.js
  JS Listado.js
  Settings
  JS ConfigFirebase.js
  App.js

JS Listado.js
1 import React, {useContext} from 'react';
2 import {StyleSheet, Text, View, ScrollView} from 'react-native';
3 import {ListItem, Header} from 'react-native-elements';
4 import Ionicons from 'react-native-vector-icons/Ionicons';
5 import {DigimonContext} from '../Context/DigimonContext';
6
7
8
9 const Listado = ({navigation}) => {
10
11   const {lista, setDigimon, eliminar} = useContext(DigimonContext);
12
13
14   return (
15
16     <View style={styles.container}>
17       <Header
18         centerComponent={{ text: 'Lista de digimon', style: { color: 'ffff', fontSize: 20 } }}
19         rightComponent={{ icon: 'person-add', color: 'ffff', onPress: () => {
20           setDigimon({
21             identificador: null,
22             nombre: '',
23             companero: '',
24             temporada: ''
25           })
26           navigation.navigate('Formulario', {status: 'add'})
27         }}
28       />
29     </View>
30   )
31 }
32
33 <ScrollView>
```

```
File Edit Selection View Go Run Terminal Help
BottomTap.js - EXPO RNP2 - Visual Studio Code

EXPLORER
> OPEN EDITORS
EXPO ...
  Context
  JS DigimonContext.js
  Navigations
  JS BottomTap.js
  JS StackNavigator1.js
  Screens
  JS Consultas.js
  JS Formulario.js
  JS HomeScreen.js
  JS Listado.js
  Settings
  JS ConfigFirebase.js
  App.js

JS BottomTap.js
1 import React from 'react';
2 import {createBottomTabNavigator} from '@react-navigation/bottom-tabs';
3 import Formulario from '../Screens/Formulario';
4 //import Listado from '../Screens/AboutScreen';
5 import Ionicons from 'react-native-vector-icons/Ionicons';
6 import HomeScreen from '../Screens/HomeScreen';
7 import Consulta from '../Screens/Consulta';
8
9 const Tab = createBottomTabNavigator();
10
11 export default function BottomTabNavigator1(){
12   return(
13     <Tab.Navigator
14       initialRouteName="Home"
15       tabBarOptions={{
16         activeTintColor: '#ff6600',
17         inactiveTintColor: '#060606',
18         showLabel: true,
19         labelStyle: {
20           fontSize: 12
21         },
22         style: {
23           paddingBottom: 5,
24           backgroundColor: '#f3f3f1'
25         }
26       }}
27     >
28       <Tab.Screen
29         name="Home"
30         component={HomeScreen}
31         options={{
32           title: 'Home'
33         }}
34       />
35     </Tab.Navigator>
36   )
37 }
```



```
StackNavigator1.js - EXPO RNP2 - Visual Studio Code

StackNavigator1.js X
1 import React from 'react';
2 import {createStackNavigator} from '@react-navigation/stack';
3 import Formulario from '../Screens/Formulario';
4 import Listado from '../Screens/Listado';
5
6 const Stack = createStackNavigator();
7
8 export default function StackNavigator1(){
9   return(
10     <Stack.Navigator>
11       <Stack.Screen
12         name="Listado"
13         component={Listado}
14         options={{headerShown:false}}
15       />
16
17       <Stack.Screen
18         name="Formulario"
19         component={Formulario}
20       />
21     </Stack.Navigator>
22   )
23 }
24
25
26
```

```
DigimonContext.js - EXPO RNP2 - Visual Studio Code

DigimonContext.js X
1 import React, {createContext, useState,useEffect} from 'react';
2 import firebase from '../Settings/ConfigFirebase';
3
4 export const DigimonContext = createContext();
5
6
7 const DigimonProvider = (props)->{
8   const [digimon, setDigimon] = useState({
9     identificador:"",
10     nombre:"",
11     companero:"",
12     temporada:""
13   })
14
15   const [lista, setLista]= useState([]);
16
17   useEffect(()=>{
18     firebase.database().ref('Digimon').on('value', snapshot=>{
19       let digimonLista=[];
20       snapshot.forEach(row=>{
21         digimonLista.push({
22           identificador:row.key,
23           nombre:row.val().nombre,
24           companero:row.val().companero,
25           temporada:row.val().temporada
26         })
27       })
28       setLista(digimonLista)
29     })
30   },[])
31 }
32
33
```



TELCEL



90 % 11:05 PM

## Lista de digimon



Angemon  
T.K.



Gabumon  
Yamato



Palmon  
Sora



Inicio



Consulta



Formulario



TELCEL



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## Formulario

Digimon

Enviar

Limpiar



Inicio



Consulta



Formulario





Inicio



Consulta



Formulario



TELCEL



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## Digimon

Tamers

Angemon  
T.K.

Gabumon  
Yamato

Palmon  
Sora



Inicio



Consulta



Formulario