



EDUCACIÓN
SECRETARÍA DE EDUCACIÓN PÚBLICA



INSTITUTO TECNOLÓGICO DE TIJUANA
SUBDIRECCIÓN ACADÉMICA
DEPARTAMENTO DE SISTEMAS Y COMPUTACIÓN



SEMESTRE SEPTIEMBRE – ENERO 2020

**DESARROLLO DE APLICACIONES
PARA DISPOSITIVOS MÓVILES**

TAREA

**Práctica #1 React Native
(Stack, BottomTab, TopTabNavigator)**

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ENLACES

GITHUB: <https://github.com/KevinPimienta/practica-1rn>

EXPO: <https://expo.io/@christopherpepper/projects/practica-1rn>

CÓDIGO DE PROGRAMACIÓN

```
Screens > JS AboutScreen.js > AboutScreen
1  import React from 'react'
2  import { StyleSheet, Text, View, Image } from 'react-native'
3
4  export default function AboutScreen() {
5    return (
6      <View style={styles.container}>
7        <Text>Exentenos</Text>
8        <Image source={require('../poke2.png')}
9          style={{ width: 180, height: 180 }} />
10     </View>
11   )
12 }
13
14 const styles = StyleSheet.create({
15   container: {
16     flex: 1,
17     backgroundColor: '#fff',
18     alignItems: 'center',
19     justifyContent: 'space-around',
20   },
21 });
22
23
```



```
Screens > JS AboutScreen2.js > AboutScreen2
1  import React from 'react'
2  import { StyleSheet, Text, View, Image } from 'react-native'
3
4  export default function AboutScreen2() {
5    return (
6      <View style={styles.container}>
7        <Text>Aquí todo bien.</Text>
8      </View>
9    )
10 }
11
12 const styles = StyleSheet.create({
13   container: {
14     flex: 1,
15     backgroundColor: '#fff',
16     alignItems: 'center',
17     justifyContent: 'space-around',
18   },
19 });
20
21
```

```
JS App.js > ...
1  import { StatusBar } from 'expo-status-bar';
2  import React from 'react';
3  import { StyleSheet } from 'react-native';
4  import { NavigationContainer } from '@react-navigation/native';
5  import BottomTabNavigator1 from './Navigations/BottomTabNavigator1';
6
7  export default function App() {
8    return (
9      <NavigationContainer>
10        <BottomTabNavigator1/>
11        <StatusBar style='auto' />
12      </NavigationContainer>
13    );
14  }
15
16  const styles = StyleSheet.create({
17    container: {
18      flex: 1,
19      backgroundColor: '#fff',
20      alignItems: 'center',
21      justifyContent: 'center',
22    },
23  });
24
```



```
Navigations > JS BottomTabNavigator1.js > ...
1  import React from 'react';
2  import {createBottomTabNavigator} from '@react-navigation/bottom-tabs';
3  import SettingsScreen from '../Screens/SettingsScreen';
4  import AboutScreen from '../Navigations/TopTapNavigator1';
5  import Ionicons from 'react-native-vector-icons/Ionicons';
6  import HomeScreen from '../Navigations/StackNavigation1';
7
8
9
10 const Tab = createBottomTabNavigator();
11
12 export default function BottomTabNavigator1(){
13   return(
14     <Tab.Navigator
15       initialRouteName="Settings"
16       tabBarOptions={{
17         activeTintColor:"#ff6600",
18         inactiveTintColor:"#060606",
19         showLabel:true,
20         labelStyle:{
21           fontSize:12
22         },
23         style:{
24           paddingBottom:5,
25           backgroundColor:"#55586D"
26         }
27       }
28     >
29   )
30 }
```

```
Screens > JS DetailsScreen.js > DetailsScreen
1  import React from 'react'
2  import { StyleSheet, Text, View, Button } from 'react-native'
3
4  const DetailsScreen = ({route,navigation}) => {
5    const {nombre}=route.params;
6    return (
7      <View style={styles.container}>
8
9        <Text>{ nombre }</Text>
10       <Button
11         title="Regresamos a Home"
12         onPress={()=>navigation.goBack()}
13       />
14     </View>
15   )
16 }
17
18 export default DetailsScreen
19
20 const styles = StyleSheet.create({
21   container: {
22     flex: 1,
23     backgroundColor: 'fff',
24     alignItems: 'center',
25     justifyContent: 'space-around',
26   },
27 });
28
```



```
Screens > JS HomeScreen.js > HomeScreen
1  import React from 'react'
2  import { StyleSheet, Text, View, Button } from 'react-native'
3
4  const HomeScreen = ({navigation}) => {
5    return (
6      <View style={styles.container}>
7        <Text>Home Screen</Text>
8        <Button
9          title="Vamos a la pantalla detalle"
10         onPress={()=>navigation.navigate('DetailsScreen',{nombre:'Pimienta Cisneros'})}
11       />
12      </View>
13    )
14  }
15
16  export default HomeScreen
17
18  const styles = StyleSheet.create({
19    container: {
20      flex: 1,
21      backgroundColor: '#fff',
22      alignItems: 'center',
23      justifyContent: 'space-around',
24    },
25  });
26
```

```
Screens > JS SettingsScreen.js > SettingsScreen
1  import React from 'react'
2  import { StyleSheet, Text, View, Button } from 'react-native';
3  import {ToastAndroid,} from 'react-native';
4
5  export default function SettingsScreen() {
6    return (
7      <View style={styles.container}>
8
9        <Button
10         title="Presiona"
11         onPress={()=>ToastAndroid.show('Funciona', ToastAndroid.SHORT)}
12       />
13      </View>
14    )
15  }
16
17  const styles = StyleSheet.create({
18    container: {
19      flex: 1,
20      backgroundColor: '#fff',
21      alignItems: 'center',
22      justifyContent: 'space-around',
23    },
24  });
25
26
```




```
Navigations > JS StackNavigation1.js > StackNavigation1
1  import React from 'react';
2  import {createStackNavigator} from '@react-navigation/stack';
3  import HomeScreen from '../Screens/HomeScreen';
4  import DetailsScreen from '../Screens/DetailsScreen';
5
6
7  const Stack = createStackNavigator();
8
9  export default function StackNavigation1(){
10     return(
11         <Stack.Navigator>
12             <Stack.Screen name="HomeScreen" component={HomeScreen}
13                 options={{headerShown:true, headerTitle:'Inicio'}}
14             />
15
16             <Stack.Screen name="DetailsScreen" component={DetailsScreen}
17                 options={{route}}=>({ title: route.params.nombre})
18             />
19         </Stack.Navigator>
20     )
21 }
22 }
```

```
Navigations > JS TopTapNavigator1.js > ...
1  import React from 'react';
2  import { createMaterialTopTabNavigator } from '@react-navigation/material-top-tabs';
3  import AboutScreen from '../Screens/AboutScreen';
4  import AboutScreen2 from '../Screens/AboutScreen2';
5  import Ionicons from 'react-native-vector-icons/Ionicons';
6  import Constants from 'expo-constants';
7
8  const Tab = createMaterialTopTabNavigator();
9
10 export default function TopTapNavigator1(){
11     return(
12         <Tab.Navigator
13             initialRouteName="About"
14             tabBarOptions={{
15                 activeTintColor:"#ff6600",
16                 inactiveTintColor:"#060606",
17                 showIcon:true,
18                 showLabel:true,
19                 labelStyle:{
20                     fontSize:11
21                 },
22                 style:{
23                     paddingTop:Constants.statusBarHeight,
24                     backgroundColor:"#55586D"
25                 }
26             }}
27         >
28     )
29 }
```



Pantallas de Expo

TELCEL

54 % 2:08 PM

TELCEL

54 % 2:08 PM

Inicio

Home Screen

PRESIONA

VAMOS A LA PANTALLA DETALLE



Inicio



Configuración



Acerca de



Inicio



Configuración



Acerca de



← Pimienta Cisneros

Pimienta Cisneros

PRESIONA

REGRESEMOS A HOME

Funciona



Exentenos

Aquí todo bien.

