

Navegación entre pantallas

App.tsx (navegación principal)

```
import { NavigationContainer } from "@react-navigation/native";  
  
import { createNativeStackNavigator } from "@react-  
navigation/native-stack";
```

```
  
import HomeScreen from "../src/screens/HomeScreen";  
import DetailScreen from "../src/screens/DetailScreen";  
import UsersScreen from "../src/screens/UsersScreen";  
import CameraScreen from "../src/screens/CameraScreen";  
import { Product } from "../src/types/product";
```

```
  
export type RootStackParamList = {  
  Home: undefined;  
  Detail: { product: Product };  
  Users: undefined;  
  Camera: undefined;  
};
```

```
  
const Stack =  
createNativeStackNavigator<RootStackParamList>();
```

```
export default function App() {  
  return (  
    <NavigationContainer>  
      <Stack.Navigator>  
        <Stack.Screen name="Home" component={HomeScreen} />  
        <Stack.Screen name="Detail" component={DetailScreen} />  
        <Stack.Screen name="Users" component={UsersScreen} />  
        <Stack.Screen name="Camera"  
component={CameraScreen} />  
      </Stack.Navigator>  
    </NavigationContainer>  
  );  
}
```

2.HomeScreen (navegación con los botones)

```
import { View, Text, FlatList, TouchableOpacity, StyleSheet } from "react-native";
```

```
import ProductCard from "../components/ProductCard";
```

```
import { Product } from "../types/product";
```

```
import { NativeStackScreenProps } from "@react-navigation/native-stack";
```

```
import { RootStackParamList } from "../../App";
```

```
type Props = NativeStackScreenProps<RootStackParamList, "Home">;
```

```
const PRODUCTS: Product[] = [
```

```
{
```

```
  id: "1",
```

```
  name: "Laptop",
```

```
  price: 15000,
```

```
  description: "Laptop versátil con gran rendimiento para clases, trabajo y multitarea."
```

```
},
```

```
{
```

```
  id: "2",
```

```
  name: "Mouse",
```

```
  price: 250,
```

```
    description: "Mouse ligero y preciso ideal para uso diario con diseño cómodo."
```

```
  },
```

```
  {
```

```
    id: "3",
```

```
    name: "Audífonos",
```

```
    price: 500,
```

```
    description: "Audífonos con sonido claro y almohadillas cómodas para largos periodos."
```

```
  },
```

```
];
```

```
export default function HomeScreen({ navigation }: Props) {
```

```
  return (
```

```
    <View style={styles.container}>
```

```
      <Text style={styles.title}>Productos</Text>
```

```
      <FlatList
```

```
        data={PRODUCTS}
```

```
        keyExtractor={(i) => i.id}
```

```
        renderItem={({ item }) => (
```

```
          <ProductCard
```

```
            item={item}
```

```
            onPress={() => navigation.navigate("Detail", { product: item })}
```

```

    />
  })
/>

<View style={styles.buttons}>
  <TouchableOpacity
    style={[styles.btn, { backgroundColor: "#4A90E2" }]}
    onPress={() => navigation.navigate("Users")}
  >
    <Text style={styles.btnText}>Ver usuarios (API)</Text>
  </TouchableOpacity>

  <TouchableOpacity
    style={[styles.btn, { backgroundColor: "#50C878" }]}
    onPress={() => navigation.navigate("Camera")}
  >
    <Text style={styles.btnText}>Abrir cámara</Text>
  </TouchableOpacity>
</View>
</View>
);
}

```

```
const styles = StyleSheet.create({  
  container: { flex: 1, paddingTop: 20, backgroundColor: "#fff" },  
  
  title: {  
    textAlign: "center",  
    fontSize: 26,  
    fontWeight: "bold",  
    marginBottom: 14,  
    color: "#333",  
  },  
  
  buttons: {  
    marginTop: 20,  
    paddingHorizontal: 20,  
    marginBottom: 30,  
  },  
  
  btn: {  
    paddingVertical: 14,  
    borderRadius: 12,  
    marginVertical: 8,  
    alignItems: "center",  
    shadowColor: "#000",
```

```
shadowOffset: { width: 0, height: 4 },  
shadowOpacity: 0.25,  
shadowRadius: 4,  
elevation: 5,  
},
```

```
btnText: {  
  color: "#fff",  
  fontSize: 18,  
  fontWeight: "bold",  
},  
});
```

Capturas

11:00



Home

Productos

Laptop

\$15000

Mouse

\$250

Audífonos

\$500

Ver usuarios (API)

Abrir cámara

11:00



[< Home](#)

Detail

Laptop

\$15000

Laptop versátil con gran rendimiento para clases, trabajo y multitarea.

11:00



[< Home](#)

Detail

Mouse

\$250

Mouse ligero y preciso ideal para uso diario con diseño cómodo.

11:00



[< Home](#)

Users

Usuarios desde API

Leanne Graham

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Clementina DuBuque

11:00



[< Home](#)

Camera

Cámara

[Tomar foto](#)

