Criando um app para locação de imóveis

Nessa aula vamos criar um app para aluguel de imóveis e para isso vamos criar um projeto. Abra o VS Code na pasta onde você deseja criar o seu projeto e em seguida abra o terminal do Vs Code e digite o comando:

npx create-expo-app –template

Na hora de colar no terminal, certifique-se que tem dois traços (--) antes da palavra "template", para não dar erro na hora da instalação.

Em seguida escolha a opção "Blank" e dê um nome ao seu projeto.

Depois de criado o seu projeto, **entre na pasta do seu projeto para realizar a instalação das dependências** que serão utilizadas no projeto, vá até o arquivo package.json:

package.json

```
{
 "name": "locacao2-app",
 "version": "1.0.0",
 "main": "expo/AppEntry.js",
 "scripts": {
  "start": "expo start",
  "android": "expo start --android",
  "ios": "expo start --ios",
  "web": "expo start --web"
 },
 "dependencies": {
  "@expo-google-fonts/montserrat": "^0.2.3",
  "@expo/vector-icons": "^14.0.0",
  "@react-native-masked-view/masked-view": "0.3.1",
  "@react-navigation/native": "^6.0.2",
  "@react-navigation/stack": "^6.3.29",
  "expo": "~51.0.8",
  "expo-font": "~12.0.5",
  "expo-status-bar": "~1.12.1",
  "expo-web-browser": "~13.0.3",
  "react": "18.2.0",
```

```
    "react-dom": "18.2.0",

    "react-native": "0.74.1",

    "react-native-gesture-handler": "~2.16.1",

    "react-native-reanimated": "~3.10.1",

    "react-native-safe-area-context": "4.10.1",

    "react-native-screens": "3.31.1",

    "react-native-stars": "^1.2.2",

    "react-native-swiper": "^1.6.0",

    "react-native-web": "~0.19.10",

    "@expo/metro-runtime": "~3.2.1"

  },

  "devDependencies": {

    "@babel/core": "^7.20.0"

  },

  "private": true

}
```

 A dependência swiper é para fazer o efeito de deslizar as imagens e cards para a horizontal.

Agora no seu terminal digite "npm i" para ser instalado as dependências que iremos utilizar.

Vamos agora organizar nossos projetos. Crie a pasta "src" e dentro dela a pasta "assets" onde será armazenado as nossas imagens para o projeto.

Em seguida dentro de src crie a pasta "components". Dentro dela vamos criar alguns arquivos.

House.js

```
import React from "react";

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


export default function House({ cover }) {

 return (

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

```jsx
    <View>
      <Image source={cover} style={styles.cover} />
    </View>


    <View style={styles.content}>
      <Text style={styles.description}>
        Casa para você morar, casa show de bola!
      </Text>
      <Text style={styles.price}>R$ 954,60</Text>
    </View>
  </View>
 );
}

const styles = StyleSheet.create({
  container: {
    flexDirection: "row",
    width: 260,
    height: 70,
    backgroundColor: "#FFF",
    elevation: 2,
    padding: 6,
    marginVertical: 5,
    marginRight: 20,
    marginLeft: 2,
    borderRadius: 10,
  },
  cover: {
```

```
    borderRadius: 10,

    width: 60,

    height: 60,

  },

  content: {

    width: "65%",

    justifyContent: "flex-end",

    paddingHorizontal: 10,

    height: "100%",

  },

  description: {

    fontSize: 9,

    fontFamily: "Montserrat_500Medium",

  },

  price: {

    fontSize: 12,

    fontFamily: "Montserrat_700Bold",

  },

});
```

New.js

```
import React from "react";

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

import { TouchableOpacity } from "react-native-gesture-handler";

import { Ionicons } from "@expo/vector-icons";


export default function New(props) {
```

```jsx
  return (
    <TouchableOpacity onPress={props.onPress} style={styles.container}>
      <Image source={props.cover} style={styles.cover} />

      <View style={styles.content}>
        <Text style={styles.title}>{props.name}</Text>

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

        <Text style={styles.badge}>Novo</Text>
      </View>

      <Text style={styles.description}>{props.description}</Text>

      <View style={styles.footer}>
        <View style={{ width: "80%" }}>
          <Text style={styles.price}>R$ 1.204,90</Text>
        </View>
        <View style={{ width: "20%" }}>
          <Ionicons name="add-circle-outline" size={24} color="black" />
        </View>
      </View>
    </TouchableOpacity>
  );
}

const styles = StyleSheet.create({
  container: {
```

```
    marginTop: 20,

    backgroundColor: "#FFF",

    height: 250,

    width: 200,

    elevation: 2,

    borderRadius: 10,

    padding: 15,

    marginRight: 30,

    marginLeft: 2,

    marginBottom: 5,

  },

  cover: {

    width: 170,

    height: 110,

    borderRadius: 10,

  },

  content: {

    flexDirection: "row",

    alignItems: "center",

    marginVertical: 10,

  },

  title: {

    fontFamily: "Montserrat_700Bold",

    fontSize: 12,

    color: "#4f4a4a",

  },

  dot: {

    width: 4,
```

```
    height: 4,

    borderRadius: 4,

    backgroundColor: "red",

    marginHorizontal: 4,

  },

  badge: {

   color: "red",

   fontSize: 9,

   fontFamily: "Montserrat_700Bold",

  },

  description: {

   fontFamily: "Montserrat_400Regular",

   fontSize: 9,

   color: "#4f4a4a",

  },

  footer: {

   flexDirection: "row",

   marginTop: 5,

   alignItems: "center",

   width: "100%",

  },

  price: {

   fontSize: 15,

   fontFamily: "Montserrat_700Bold",

  },

});
```

Recommended.js

```jsx
import React from "react";

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


export default function Recommended({ cover, house, offer }) {
  return (
    <ImageBackground source={cover} style={styles.container} blurRadius={3}>
      <Text style={[styles.house, styles.shadow]}>{house}</Text>


      <Text style={[styles.description, styles.shadow]}>{offer} OFF</Text>
    </ImageBackground>
  );
}


const styles = StyleSheet.create({
  container: {
    height: 130,
    width: 230,
    marginRight: 20,
    marginBottom: 40,
    opacity: 0.8,
    backgroundColor: "#000",
    marginLeft: 3,
    padding: 12,
    marginTop: 20,
  },
  house: {
    fontFamily: "Montserrat_700Bold",
    color: "#FFF",
```

```
    fontSize: 15,
  },
  description: {
    fontSize: 12,
    fontFamily: "Montserrat_700Bold",
    color: "#FFF",
  },
  shadow: {
    textShadowOffset: { width: 1, height: 2 },
    textShadowRadius: 3,
    textShadowColor: "#000",
  },
});
```

Swiper.js

```
import React from "react";
import { View, StyleSheet, Image } from "react-native";
import Swiper from "react-native-swiper";

export default function SwiperComponent() {
  return (
    <Swiper
      style={styles.wrapper}
      dotStyle={{
        backgroundColor: "#000",
        borderColor: "#000",
        borderWidth: 1,
```

```jsx
    width: 10,

    height: 10,

    borderRadius: 10,

   }}
  activeDotColor="#FFF"
  activeDotStyle={{

   borderColor: "#000",

   borderWidth: 1,

   width: 10,

   height: 10,

   borderRadius: 10,

  }}
>
  <View style={styles.slide}>

   <Image

    source={require("../assets/house1.jpg")}

    style={{ width: "100%", height: 400 }}

   />

  </View>


  <View style={styles.slide}>

   <Image

    source={require("../assets/house2.jpg")}

    style={{ width: "100%", height: 400 }}

   />

  </View>


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

```
    <Image
      source={require("../assets/house3.jpg")}
      style={{ width: "100%", height: 400 }}
    />
  </View>
 </Swiper>
 );
}


const styles = StyleSheet.create({
 wrapper: {},
 slide: {
  flex: 1,
  justifyContent: "center",
  alignItems: "center",
  backgroundColor: "#fff",
 },
});
```

Esses são os componentes, cada arquivo fica responsável por uma funcionalidade do nosso app. E agora vamos criar nossas telas e nelas utilizaremos os nossos componentes.

Para isso crie em src crie a pasta "screens" e nela vamos criar nossas telas.

Detail.jsx

```
import React from "react";
import { View, Text, Image, TouchableOpacity, StyleSheet } from "react-native";
import { Feather, Ionicons } from "@expo/vector-icons";
import { ScrollView } from "react-native-gesture-handler";
```

```
import Stars from "react-native-stars";

import SwiperComponent from "../components/Swiper";

export default function Detail() {
 return (
  <View style={styles.container}>
   <View style={styles.swiperContent}>
    <SwiperComponent />
   </View>

   <View style={styles.headerContent}>
    <View style={{ width: "65%" }}>
     <Text style={styles.house}>Casa de Praia</Text>
    </View>

    <View style={{ width: "35%" }}>
     <Text style={styles.rating}>Avaliações</Text>
     <View style={{ alignItems: "center", flexDirection: "row" }}>
      <Stars
       default={4}
       count={5}
       half={true}
       starSize={20}
       fullStar={
        <Ionicons name="star" size={24} style={styles.myStarStyle} />
       }
       emptyStar={
```

```
        <Ionicons
          name="star-outline"
          size={24}
          style={styles.myStarStyle}
        />
      }
      halfStar={
        <Ionicons
          name="star-half"
          size={24}
          style={styles.myStarStyle}
        />
      }
    />
    </View>
  </View>
</View>


<Text style={styles.price}>R$ 1.200,20</Text>
<Text style={styles.description}>
  Casa nova uma quadra do mar, lugar seguro e monitorado 24horas.
</Text>


<ScrollView
  horizontal
  showsHorizontalScrollIndicator={false}
  style={{ paddingHorizontal: 15, marginTop: 35 }}
>
```

```jsx
      <View style={styles.slide}>
        <Image
          source={require("../assets/house5.jpg")}
          style={{ width: 90, height: 90, borderRadius: 8 }}
        />
      </View>


      <View style={styles.slide}>
        <Image
          source={require("../assets/house6.jpg")}
          style={{ width: 90, height: 90, borderRadius: 8 }}
        />
      </View>


      <View style={styles.slide}>
        <Image
          source={require("../assets/house2.jpg")}
          style={{ width: 90, height: 90, borderRadius: 8 }}
        />
      </View>
    </ScrollView>
  </View>
 );
}


const styles = StyleSheet.create({
 container: {
  flex: 1,
```

```
    backgroundColor: "#FFF",
  },
  swiperContent: {
    flexDirection: "row",
    height: 340,
    width: "100%",
  },
  headerContent: {
    paddingHorizontal: 20,
    flexDirection: "row",
    alignItems: "center",
    width: "100%",
    marginTop: 20,
  },
  house: {
    fontFamily: "Montserrat_700Bold",
    fontSize: 18,
    color: "#4f4a4a",
  },
  rating: {
    fontFamily: "Montserrat_500Medium",
    fontSize: 9,
    color: "#4f4a4a",
  },
  myStarStyle: {
    color: "#E7A74e",
    backgroundColor: "transparent",
    textShadowColor: "#000",
```

```
    textShadowOffset: { width: 1, height: 1 },

    textShadowRadius: 1,

  },

  price: {

    paddingHorizontal: 20,

    fontFamily: "Montserrat_700Bold",

    fontSize: 16,

    color: "#000",

  },

  description: {

    fontFamily: "Montserrat_500Medium",

    paddingHorizontal: 20,

    color: "#b3aeae",

    fontSize: 14,

    lineHeight: 20,

    marginTop: 20,

  },

  slide: {

    alignItems: "center",

    justifyContent: "center",

    backgroundColor: "#FFF",

    height: 90,

    height: 90,

    borderRadius: 8,

    marginRight: 20,

  },

});
```

Essa será nossa tela de detalhes para quando o usuário tocar para ver mais detalhes de um anúncio. Agora vamos criar nossa tela principal.

Home.jsx

```
import React from "react";

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

import { ScrollView, TextInput } from "react-native-gesture-handler";

import { Feather } from "@expo/vector-icons";

import { useNavigation } from "@react-navigation/native";


import New from "../components/New";

import House from "../components/House";

import Recommended from "../components/Recommended";


export default function Home() {
  const navigation = useNavigation();


  return (
    <ScrollView
      showsVerticalScrollIndicator={false}
      style={{ backgroundColor: "#FFF" }}
    >
      <View style={styles.header}>
        <View style={styles.inputArea}>
          <Feather name="search" size={24} color="black" />
          <TextInput
            placeholder="O que está procurando?"
            style={styles.input}
          />
```

```jsx
      </View>
    </View>


    <View style={styles.contentNew}>
      <Text style={styles.title}>Novidades</Text>
    </View>


    <ScrollView
      horizontal
      showsHorizontalScrollIndicator={false}
      style={{ paddingHorizontal: 15 }}
    >
      <New
        cover={require("../assets/house1.jpg")}
        name="Casa de Praia"
        description="Casa nova uma quadra do mar, lugar seguro e monitorado 24horas."
        onPress={() => navigation.navigate("detail")}
      />


      <New
        cover={require("../assets/house2.jpg")}
        name="Casa Floripa"
        description="Casa nova uma quadra do mar, lugar seguro e monitorado 24horas."
        onPress={() => {}}
      />


      <New
        cover={require("../assets/house3.jpg")}
```

```jsx
        name="Rancho SP"

        description="Casa nova uma quadra do mar, lugar seguro e monitorado 24horas."

        onPress={() => {}}
      />
    </ScrollView>


    <View
      style={{ flexDirection: "row", marginBottom: 10, alignItems: "center" }}
    >
      <Text style={[styles.title, { marginTop: 20 }]}>Próximo de você</Text>
    </View>


    <ScrollView
      horizontal
      showsHorizontalScrollIndicator={false}
      style={{ paddingHorizontal: 15 }}
    >
      <House cover={require("../assets/house4.jpg")} />
      <House cover={require("../assets/house5.jpg")} />
      <House cover={require("../assets/house6.jpg")} />
    </ScrollView>


    <Text style={[styles.title, { marginTop: 20 }]}>Dica do dia</Text>


    <ScrollView
      horizontal
      showsHorizontalScrollIndicator={false}
      style={{ paddingHorizontal: 15 }}
```

```jsx
      >
        <Recommended
          cover={require("../assets/house1.jpg")}
          house="Casa Floripa"
          offer="25%"
        />
        <Recommended
          cover={require("../assets/house4.jpg")}
          house="Casa São Paulo"
          offer="15%"
        />
        <Recommended
          cover={require("../assets/house6.jpg")}
          house="Rancho Praia"
          offer="10%"
        />
      </ScrollView>
    </ScrollView>
  );
}

const styles = StyleSheet.create({
  header: {
    paddingHorizontal: 15,
    flexDirection: "row",
    alignItems: "center",
    justifyContent: "center",
    width: "100%",
```

```
    marginVertical: 20,
  },
  inputArea: {
    paddingHorizontal: 15,
    flexDirection: "row",
    alignItems: "center",
    width: "98%",
    backgroundColor: "#FFF",
    elevation: 2,
    paddingHorizontal: 10,
    height: 37,
    borderRadius: 10,
  },
  input: {
    fontFamily: "Montserrat_500Medium",
    paddingHorizontal: 10,
    fontSize: 13,
    width: "90%",
  },
  contentNew: {
    flexDirection: "row",
    width: "100%",
    alignItems: "center",
  },
  title: {
    paddingHorizontal: 15,
    fontFamily: "Montserrat_700Bold",
    fontSize: 18,
```

```
    color: "#4f4a4a",
  },
});
```

Com as nossas telas prontas vamos criar o nosso router.js para armazenar as nossas rotas que serão passadas para o arquivo App.js. Para isso, em src crie o arquivo "router.js"

router.js

```
import React from "react";

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

import { createStackNavigator } from "@react-navigation/stack";

import { Feather } from "@expo/vector-icons";

import { Pressable } from "react-native";


import Home from "./screens/Home";

import Detail from "./screens/Detail";


const Stack = createStackNavigator();


function Routes() {
  return (
    <NavigationContainer>
      <Stack.Navigator>
        <Stack.Screen
          name="home"
          component={Home}
          options={{
            title: "ALUGUE",
```

```jsx
        headerTitleStyle: {
          fontFamily: "Montserrat_700Bold",
        },


        headerRight: () => (
          <Pressable style={{ marginRight: 15 }}>
            <Feather name="shopping-bag" size={24} color="black" />
          </Pressable>
        ),
      }}
    />
    <Stack.Screen
      name="detail"
      component={Detail}
      options={{
        title: "Detalhe",
        headerTitleStyle: {
          fontFamily: "Montserrat_700Bold",
        },


        headerRight: () => (
          <Pressable style={{ marginRight: 15 }}>
            <Feather name="shopping-bag" size={24} color="black" />
          </Pressable>
        ),
      }}
    />
  </Stack.Navigator>
```

```
      </NavigationContainer>

  );

}


export default Routes;
```

E agora vamos editar nosso arquivo "App.js" para receber nossas rotas.

App.js

```
import "react-native-gesture-handler";

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

import React from "react";

import {

  useFonts,

  Montserrat_400Regular,

  Montserrat_500Medium,

  Montserrat_700Bold,

} from "@expo-google-fonts/montserrat";


import Routes from "./src/router";


export default function App() {

  let [fontsLoaded] = useFonts({

    Montserrat_400Regular,

    Montserrat_500Medium,

    Montserrat_700Bold,

  });
```
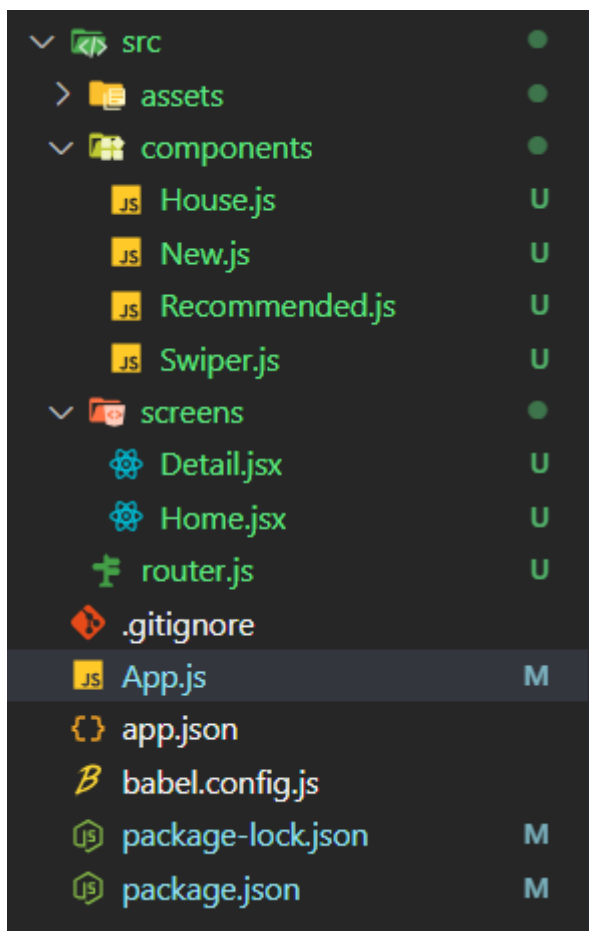
```
  return (

  <>

  <StatusBar style="light" backgroundColor="#000" translucent={false} />

  <Routes />

  </>

 );

}
```
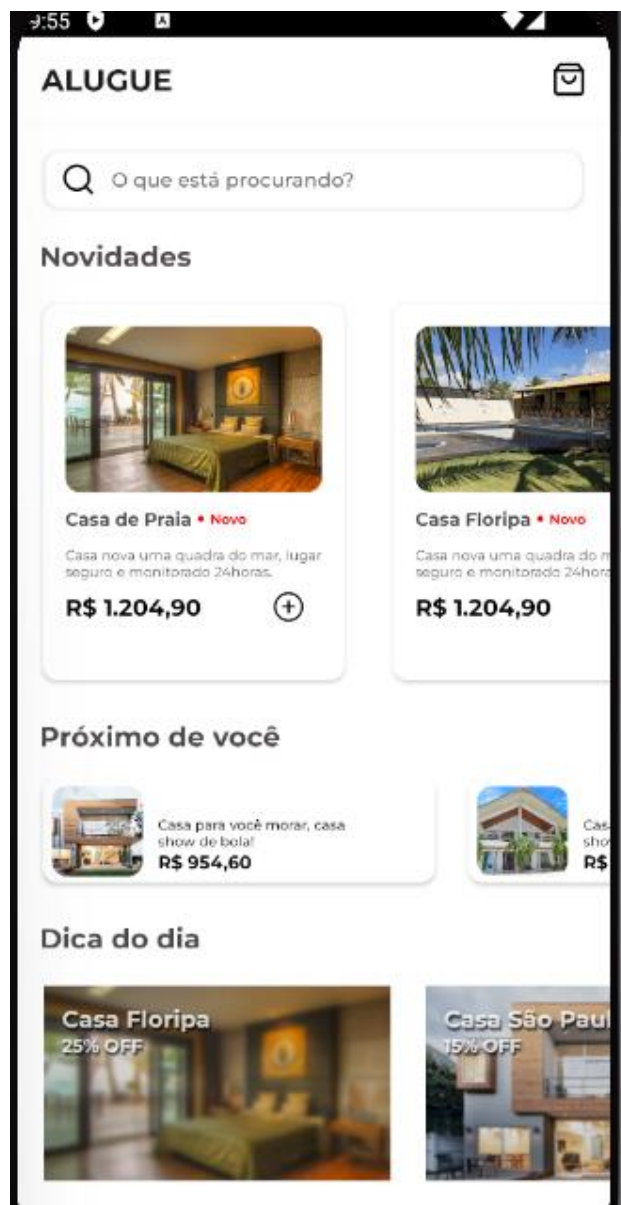
A estrutura de pastas e arquivos deverá estar assim:
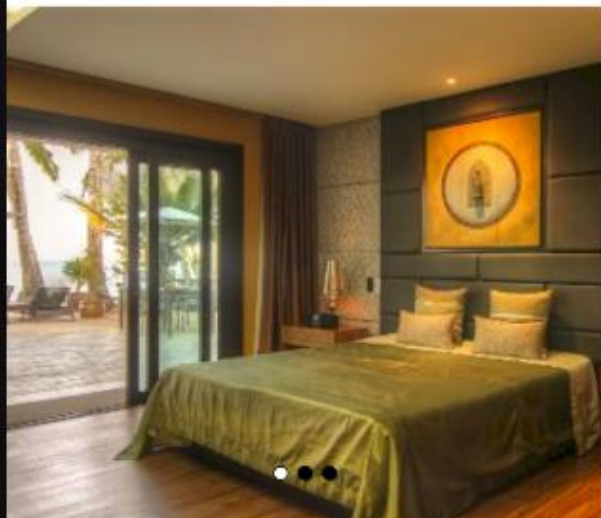

Com isso nosso app está pronto, vá no terminal e digite "npm start" para testar.

Nossa tela principal:

Nossa tela de detalhes:

Casa de Praia
R$ 1.200,20

Avaliações
★★★★☆

Casa nova uma quadra do mar, lugar seguro e
monitorado 24horas.