App de finanças

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 vamos dar início ao nosso desenvolvimento. Para isso, crie a pasta ‘src’ na raiz do seu projeto e dentro dela a pasta ‘pages’ e dentro dela a pasta ‘Home’ e então o arquivo ‘index.js’.

src/pages/Home/index.js

```
import { StatusBar } from "expo-status-bar";
import { StyleSheet, Text, View, FlatList } from "react-native";
import Header from "../../components/Header";
import Balance from "../../components/Balance";
import Movements from "../../components/Movements";
import Actions from "../../components/Actions";


const list = [
 {
  id: 1,
  label: "Boleto conta luz",
  value: "300,00",
  date: "17/06/2024",
  type: 0, //despesas
 },
 {
  id: 2,
  label: "Pix cliente X",
```

```
    value: "2.500,00",
    date: "19/06/2024",
    type: 1, //entrada
  },
  {
    id: 3,
    label: "Salário",
    value: "7.200,00",
    date: "23/06/2024",
    type: 1, //entrada
  },
];

export default function Home() {
  return (
    <View style={styles.container}>
      <Header name="UserName" />
      <Balance saldo="9.250,00" gastos="-527,00" />
      <Actions />
      <Text style={styles.title}>Últimas movimentações</Text>
      <FlatList
        style={styles.list}
        data={list}
        keyExtractor={(item) => String(item.id)}
        showsVerticalScrollIndicator={false}
        renderItem={({ item }) => <Movements data={item} />}
      />
    </View>
  );
```

```
}


const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "#fafafa",
  },
  title: {
    fontSize: 18,
    fontWeight: "bold",
    margin: 14,
  },
  list: {
    marginStart: 14,
    marginEnd: 14,
  },
});
```

Essa será a nossa página principal do app. Agora vamos criar os nossos componentes. Crie a pasta ‘components’ dentro de ‘src’. Crie a pasta ‘Actions’ e dentro dela o arquivo ‘index.js’. Ela será responsável por criar os botões com os ícones do nosso projeto.

src/components/Actions/index.js

```
import {
  StyleSheet,
  Text,
  View,
  TouchableOpacity,
  ScrollView,
```

```
} from "react-native";
import React from "react";
import { AntDesign } from "@expo/vector-icons";

const Actions = () => {
 return (
  <ScrollView
   style={styles.container}
   horizontal={true}
   showsHorizontalScrollIndicator={false}
  >
   <TouchableOpacity style={styles.actionButton}>
    <View style={styles.areaButton}>
     <AntDesign name="addfolder" size={26} color={"#000"} />
    </View>
    <Text style={styles.labelButton}>Entradas</Text>
   </TouchableOpacity>

   <TouchableOpacity style={styles.actionButton}>
    <View style={styles.areaButton}>
     <AntDesign name="tagso" size={26} color={"#000"} />
    </View>
    <Text style={styles.labelButton}>Compras</Text>
   </TouchableOpacity>

   <TouchableOpacity style={styles.actionButton}>
    <View style={styles.areaButton}>
     <AntDesign name="creditcard" size={26} color={"#000"} />
```

```
      </View>
      <Text style={styles.labelButton}>Carteira</Text>
    </TouchableOpacity>

    <TouchableOpacity style={styles.actionButton}>
      <View style={styles.areaButton}>
        <AntDesign name="barcode" size={26} color={"#000"} />
      </View>
      <Text style={styles.labelButton}>Boletos</Text>
    </TouchableOpacity>

    <TouchableOpacity style={styles.actionButton}>
      <View style={styles.areaButton}>
        <AntDesign name="setting" size={26} color={"#000"} />
      </View>
      <Text style={styles.labelButton}>Conta</Text>
    </TouchableOpacity>
  </ScrollView>
 );
};

export default Actions;

const styles = StyleSheet.create({
 container: {
  maxHeight: 84,
  marginBottom: 14,
  marginTop: 18,
```

```
    paddingEnd: 14,
    paddingStart: 14,
  },
  actionButton: {
    alignItems: "center",
    marginRight: 32,
  },
  areaButton: {
    backgroundColor: "#ecf0f1",
    height: 60,
    width: 60,
    borderRadius: 30,
    justifyContent: "center",
    alignItems: "center",
  },
  labelButton: {
    marginTop: 4,
    textAlign: "center",
    fontWeight: "bold",
  },
});
```

Agora vamos criar a pasta ‘Balance’. Ela fica responsável por mostrar o saldo e os gastos.

src/components/Balance/index.js

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

```
const Balance = ({ saldo, gastos }) => {
 return (
  <View style={styles.container}>
   <View style={styles.item}>
    <Text style={styles.itemTitle}>Saldo</Text>
    <View style={styles.content}>
     <Text style={styles.currencySymbol}>R$</Text>
     <Text style={styles.balance}>{saldo}</Text>
    </View>
   </View>
   <View style={styles.item}>
    <Text style={styles.itemTitle}>Gastos</Text>
    <View style={styles.content}>
     <Text style={styles.currencySymbol}>R$</Text>
     <Text style={styles.expenses}>{gastos}</Text>
    </View>
   </View>
  </View>
 );
};

export default Balance;

const styles = StyleSheet.create({
 container: {
  backgroundColor: "#fff",
  flexDirection: "row",
  justifyContent: "space-between",
```

```
  paddingStart: 18,
  paddingEnd: 18,
  marginTop: -24,
  marginStart: 14,
  marginEnd: 14,
  borderRadius: 4,
  paddingTop: 22,
  paddingBottom: 22,
  zIndex: 99,
},
itemTitle: {
  fontSize: 28,
  color: "#dadada",
},
content: {
  flexDirection: "row",
  alignItems: "center",
},
currencySymbol: {
  color: "#dadada",
  marginRight: 6,
},
balance: {
  fontSize: 22,
  color: "#2ecc71",
},
expenses: {
  fontSize: 22,
```

```
  color: "#e74c3c",
 },
});
```

O próximo componente será o cabeçalho, onde ficará o nome do usuário e o ícone dele.

src/components/Header/index.js

```
import {
 StyleSheet,
 Text,
 View,
 StatusBar,
 TouchableOpacity,
} from "react-native";
import React from "react";
import { Feather } from "@expo/vector-icons";

const statusBarHeight = StatusBar.currentHeight
 ? StatusBar.currentHeight + 22
 : 64;

const Header = ({ name }) => {
 return (
  <View style={styles.container}>
   <View style={styles.content}>
    <Text style={styles.username}>{name}</Text>
    <TouchableOpacity activeOpacity={0.9} style={styles.buttonUser}>
```

```
        <Feather name="user" size={27} color="#fff" />
      </TouchableOpacity>
    </View>
  </View>
 );
};

export default Header;

const styles = StyleSheet.create({
 container: {
  backgroundColor: "#8000ff",
  paddingTop: statusBarHeight,
  flexDirection: "row",
  paddingStart: 16,
  paddingEnd: 16,
  paddingBottom: 44,
 },
 content: {
  flex: 1,
  alignItems: "center",
  flexDirection: "row",
  justifyContent: "space-between",
 },
 username: {
  fontSize: 18,
  color: "#fff",
  fontWeight: "bold",
```

```
  },
  buttonUser: {
    width: 44,
    height: 44,
    backgroundColor: "rgba( 255, 255, 255, 0.5)",
    justifyContent: "center",
    alignItems: "center",
    borderRadius: 44 / 2,
  },
});
```

Nosso último componente será o que ficará responsável por mostrar as movimentações da conta.

src/components/Movements/index.js

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


const Movements = ({ data }) => {
  const [showValue, setShowValue] = useState(false);
  return (
    <TouchableOpacity
      style={styles.container}
      onPress={() => setShowValue(!showValue)}
    >
      <Text style={styles.date}>{data.date}</Text>
      <View style={styles.content}>
        <Text style={styles.label}>{data.label} </Text>
        {showValue ? (
```

```
        <Text style={data.type === 1 ? styles.value : styles.expenses}>
          {data.type === 1 ? ` R$ ${data.value}` : ` R$ - ${data.value}` }
        </Text>
      ) : (
        <View style={styles.skeleton} />
      )}
    </View>
  </TouchableOpacity>
 );
};

export default Movements;

const styles = StyleSheet.create({
 container: {
  flex: 1,
  marginBottom: 24,
  borderBottomWidth: 0.5,
  borderBottomColor: "#dadada",
 },
 content: {
  flexDirection: "row",
  justifyContent: "space-between",
  marginTop: 1,
  marginBottom: 8,
 },
 date: {
  color: "#dadada",
```

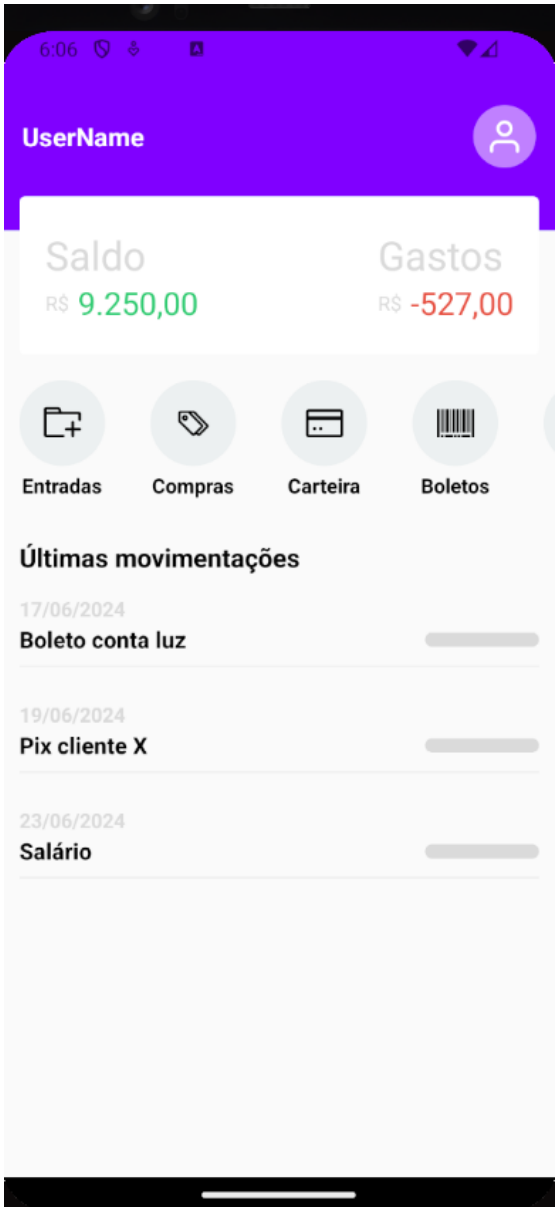
```
    fontWeight: "bold",
  },
  label: {
    fontSize: 16,
    fontWeight: "bold",
  },
  value: {
    fontSize: 16,
    color: "#2ecc71",
    fontWeight: "bold",
  },
  expenses: {
    fontSize: 16,
    color: "#e74c3c",
    fontWeight: "bold",
  },
  skeleton: {
    marginTop: 6,
    width: 80,
    height: 10,
    backgroundColor: "#dadada",
    borderRadius: 8,
  },
});
```

Para finalizar, vamos chamar a nossa página ‘Home’ no App.js

App.js

```
// import "react-native-reanimated";

import Home from "./src/pages/Home";


export default function App() {

  return <Home />;

}
```

Com isso a sua aplicação deverá estar funcionando corretamente. Vamos testar! No terminal execute o comando ‘npm start’. A tela do nosso app deverá aparecer


6:06
UserName
Saldo
R$ 9.250,00
Gastos
R$ -527,00
Entradas
Compras
Carteira
Boletos
Últimas movimentações
17/06/2024
Boleto conta luz
19/06/2024
Pix cliente X
23/06/2024
Salário