**Link for Video Recording:**

<https://www.loom.com/share/0e232ad6290c4d949f79eff0eea40b70>

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| **Coding for the App** |
| import { NavigationContainer } from "@react-navigation/native";  import { createStackNavigator } from "@react-navigation/stack";  import { StatusBar } from "expo-status-bar";  import { useEffect, useState } from "react";  import {FlatList, StyleSheet, Text,TouchableOpacity,View,Button,}from "react-native";  import BlockRGB from "./components/BlockRGB";  function HomeScreen({ navigation }) {  const [colorArray, setColorArray] = useState([  { red: 255, green: 0, blue: 0, id: "0" },  ]);  function renderItem({ item }) {  return (  <TouchableOpacity onPress={() => navigation.navigate("Details", item)}>  <BlockRGB red={item.red} green={item.green} blue={item.blue} />  </TouchableOpacity>  );  }  function addColor() {  setColorArray([  {  red: Math.floor(Math.random() \* 255),  green: Math.floor(Math.random() \* 255),  blue: Math.floor(Math.random() \* 255),  id: colorArray.length.toString(),  },  ...colorArray,  ]);  }  function resetColors(){  setColorArray([]);  }  useEffect(()=> {  navigation.setOptions({  headerRight:() => <Button onPress={addColor} title="Add colour"/>,  });  });  return (  <View style={styles.container}>  <TouchableOpacity  onPress={addColor}  style={{ height: 40, justifyContent: "center"}}  >  <Text>Add Color</Text>  </TouchableOpacity>  <TouchableOpacity  style={{ height: 40, justifyContent: "center"}}  onPress={resetColors}  >  <Text>Reset</Text>  </TouchableOpacity>  <FlatList  data={colorArray}  renderItem={renderItem}  style={{ width: "100%" }}  />  </View>  );  }  function DetailsScreen({route}) {  console.log (route);  const { red, green, blue} = route.params;  return (  <View  style={[  styles.container,  {backgroundColor:`rgb(${red},${green},${blue})`},  ]}  >  <View style={{ padding: 30 }}>  <Text style={styles.detailText}>Red: {red}</Text>  <Text style={styles.detailText}>Green: {green}</Text>  <Text style={styles.detailText}>Blue: {blue}</Text>  </View>  </View>  );  }  const Stack = createStackNavigator();  export default function App() {  return (  <NavigationContainer>  <Stack.Navigator>  <Stack.Screen name="Home" component={HomeScreen} />  <Stack.Screen name="Details" component={DetailsScreen} />  </Stack.Navigator>  </NavigationContainer>  );  }  const styles = StyleSheet.create({  container: {  flex: 1,  backgroundColor: "#fff",  alignItems: "center",  justifyContent: "center",  },  list:{  width:"100%",  },  detailText:{  fontSize: 24,  marginBottom: 20,  },  }); |