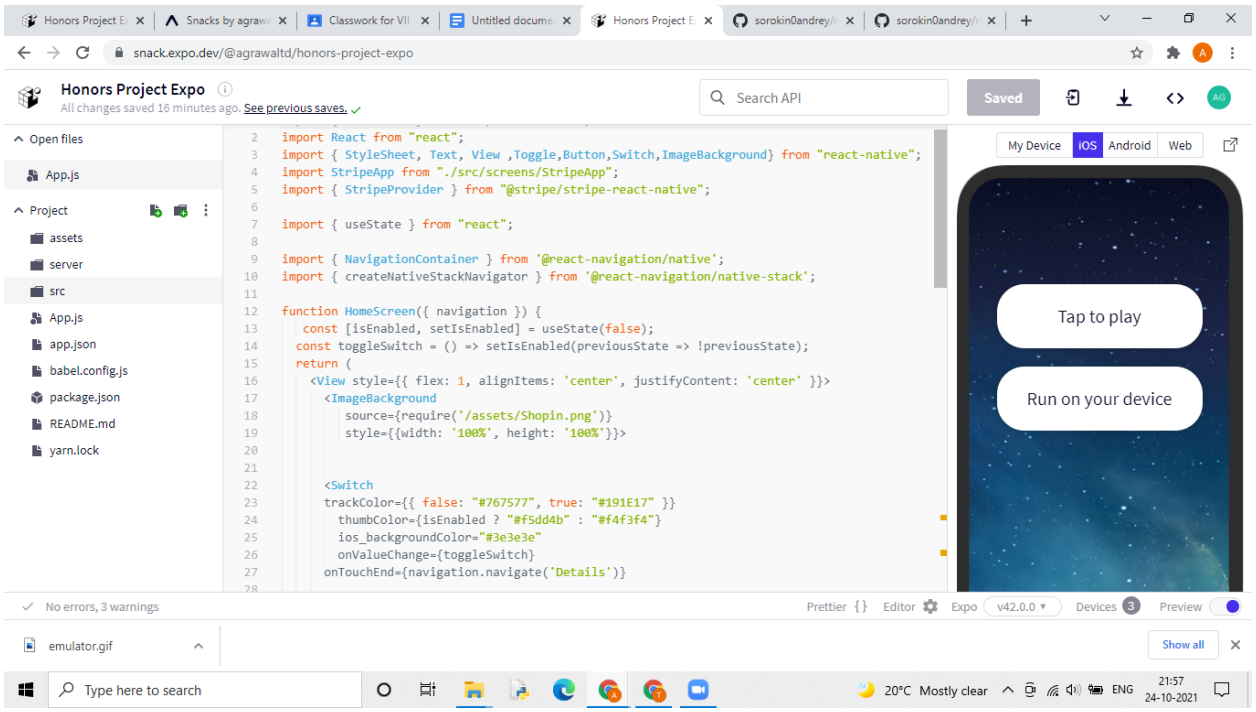
Stripe and Expo

Code

Stripe and Expo



The structure consists of

- Assets : maily having the images used
- Server: index.js ,package.json
- Src : only look screens folder in it having Stripe.js file rest was for some extra trial
- App.js : the main calling js file
- README
- Package.json
- yarn.lock

This application works best for IOS so while running use ios

The code is attached

==========

App.js

```
import { StatusBar } from "expo-status-bar";
import React from "react";
import { StyleSheet, Text, View ,Toggle,Button,Switch,ImageBackground}
from "react-native";
import StripeApp from "./src/screens/StripeApp";
import { StripeProvider } from "@stripe/stripe-react-native";
```

```
import { useState } from "react";

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

function HomeScreen({ navigation }) {
   const [isEnabled, setIsEnabled] = useState(false);
  const toggleSwitch = () => setIsEnabled(previousState =>
!previousState);
  return (
    <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center'
}}>
      <ImageBackground
         source={require('/assets/Shopin.png')}
         style={{width: '100%', height: '100%'}}>


      <Switch
      trackColor={{ false: "#767577", true: "#191E17" }}
        thumbColor={isEnabled ? "#f5dd4b" : "#f4f3f4"}
        ios_backgroundColor="#3e3e3e"
        onValueChange={toggleSwitch}
      onTouchEnd={navigation.navigate('Details')}

      style={{ marginTop:340, alignSelf: 'center'}}
      value={isEnabled}
      />
      </ImageBackground>
    </View>
  );
}

function DetailsScreen() {
  return (

  <StripeProvider publishableKey="pk_test_TYooMQauvdEDq54NiTphI7jx">
     <StripeApp />
    </StripeProvider>
```

```
  );
}

const Stack = createNativeStackNavigator();

function App() {
  return (
    <NavigationContainer>
      <Stack.Navigator initialRouteName="Home">
        <Stack.Screen name="Home" component={HomeScreen} />
        <Stack.Screen name="Details" component={DetailsScreen} />
      </Stack.Navigator>
    </NavigationContainer>
  );
}
//export default function App() {

//}


const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "#fff",
    alignItems: "center",
    justifyContent: "center",
  },
      imagebg: {
    flex: 1,
    justifyContent: "center"
  },
});
export default App;
```

Stripe.js

```
import React, { useState } from "react";
```

```
import { View, Text, StyleSheet, TextInput, Button, Alert
,Image,ImageBackground} from "react-native";
import { CardField, useConfirmPayment } from
"@stripe/stripe-react-native";

//ADD localhost address of your server
const API_URL = "http://localhost:3000";

const StripeApp = props => {
  const [email, setEmail] = useState();
  const [cardDetails, setCardDetails] = useState();
  const { confirmPayment, loading } = useConfirmPayment();

  const fetchPaymentIntentClientSecret = async () => {
    const response = await fetch(`${API_URL}/create-payment-intent`, {
      method: "POST",
      headers: {
        "Content-Type": "application/json",
      },
    });
    const { clientSecret, error } = await response.json();
    return { clientSecret, error };
  };

  const handlePayPress = async () => {
    //1.Gather the customer's billing information (e.g., email)
    if (!cardDetails?.complete || !email) {
      Alert.alert("Please enter Complete card details and personal
information");
      return;
    }



    const billingDetails = {
      email: email,
    };

    //2.Fetch the intent client secret from the backend
    try {
```

```
      const { clientSecret, error } = await
fetchPaymentIntentClientSecret();
      //2. confirm the payment
      if (error) {
        console.log("Unable to process payment");
      } else {
        const { paymentIntent, error } = await
confirmPayment(clientSecret, {
          type: "Card",
          billingDetails: billingDetails,
        });
        if (error) {
          alert(`Payment Confirmation Error ${error.message}`);
        } else if (paymentIntent) {
          alert("Payment Successful");
          console.log("Payment successful ", paymentIntent);
        }
      }
    } catch (e) {
      console.log(e);
    }
    //3.Confirm the payment with the card details
  };

  return (
    <View style={styles.container}>
     <ImageBackground         source={{
          uri:
'https://cdn.99images.com/photos/wallpapers/3d-abstract/white-aesthetic%20
android-iphone-desktop-hd-backgrounds-wallpapers-1080p-4k-dmkpl.jpg',
        }} resizeMode="cover" style={styles.imagebg}>

     <Image
        style={styles.tinyLogo}
        source={{
          uri:
'https://www.visa.co.in/dam/VCOM/regional/ap/india/global-elements/images/
in-visa-gold-card-498x280.png',
        }}
      />
```

```
  <Text style={styles.inputtext}>{"Personal Details"}</Text>

      <TextInput
  autoCapitalize="none"
  placeholder="Name"
  keyboardType="text"
  onChange={value => setEmail(value.nativeEvent.text)}
  style={styles.input}
/>

<TextInput
  autoCapitalize="none"
  placeholder="E-mail"
  keyboardType="email-address"
  onChange={value => setEmail(value.nativeEvent.text)}
  style={styles.input}
/>
      <TextInput
  autoCapitalize="none"
  placeholder="Phone"
  keyboardType="text"
  onChange={value => setEmail(value.nativeEvent.text)}
  style={styles.input}
/>
      <TextInput
  autoCapitalize="none"
  placeholder="Phone"
  keyboardType="text"
  onChange={value => setEmail(value.nativeEvent.text)}
  style={styles.input}
/>
<Text style={styles.inputtext}>{"Card Details"}</Text>
<CardField
  postalCodeEnabled={true}
  placeholder={{
    number: "4242 4242 4242 4242",
  }}
  cardStyle={styles.card}
  style={styles.cardContainer}
  onCardChange={cardDetails => {
```

```
          setCardDetails(cardDetails);
        }}
      />
      <Button onPress={handlePayPress} title="Pay"  />
       </ImageBackground >
    </View>
  );
};
export default StripeApp;

const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: "center",
    margin: 20,
  },
  input: {
    backgroundColor: "#efefefef",

    borderRadius: 8,
    fontSize: 20,
    height: 50,
    padding: 10,
     margin: 5,
  },
    inputtext: {



    fontSize: 15,
    height: 50,
    padding: 10,
     margin: 5,
  },
  card: {
    backgroundColor: "#efefefef",
  },
  cardContainer: {
    height: 50,
```

```
  },
    tinyLogo: {
  margin: 15,
  paddingBottom: 30,

    height: 200,
    width:330,
  },
    imagebg: {
    flex: 1,
    justifyContent: "center"
  },
});
```

==========

Output:

Note: Video attached


Embed - Google Chrome
appetize.io/embed/8bnmakzrptf1hv9dq7v7bnteem?autoplay=false&debug=true&device=iphone12&deviceColor=black&embed=true&orientation=portrait&pc=tok_k2vxq2ck492fv3t9efj6ju4c5m&scale=73&scr...
6:08
Home
Details
Visa Gold
4000 1234 5678 9010
12/20
EISHA KHANNA
VISA
Gold
Personal Details
tanisha
agrawaltd@gmail.com
999999
gggggggg
Card Details
4242 04/24 242 4242424242
Pay
Type here to search
19°C Mostly clear
ENG
21:38
24-10-2021


Embed - Google Chrome
appetize.io/embed/8bnmakzrptf1hv9dq7v7bnteem?autoplay=false&debug=true&device=iphone12&deviceColor=black&embed=true&orientation=portrait&pc=tok_k2vxq2ck492fv3t9efj6ju4c5m&scale=73&scr...
6:08
Home
Details
Visa Gold
4000 1234 5678 9010
12/20
EISHA KHANNA
VISA
Gold
Payment Successful
OK
agrawaltd@gmail.com
999999
gggggggg
Card Details
4242 04/24 242 4242424242
Pay
Type here to search
19°C Mostly clear
ENG
21:38
24-10-2021

Link for Expo project: https://snack.expo.dev/@agrawaltd/honors-project-expo