React Stripe Payments

Login to <https://stripe.com/en-in> and get public key and secret key

Public Key stored at Client

Secret Key stored at Server

Server Side Configuration (NODE / Express JS)

Install a package: **stripe** using “npm install stripe”

Store the secret key in .env file and load it in server js file

const stripe = require('stripe')(***process***.env.STRIPE\_SECRET\_KEY);

// new payment  
router.post("/pay", (request , response) => {  
 const {product , token} = request.body;  
 stripe.customers.create({  
 email : token.email,  
 source : token.id  
 }).then(customer => stripe.charges.create({  
 amount : product.price,  
 description : product.name,  
 currency : 'inr',  
 customer : customer.id  
 })).then(charge => response.status(200).json(charge))  
 .catch(err => ***console***.log(err));  
});

Client Side Configuration (React JS)

Install a module at react application “**react-stripe-checkout**”

Using the command “npm install react-stripe-checkout”

Create “.env” file in React Main App Folder and add a public Key in it.

REACT\_APP\_STRIPE\_KEY=pk\_test

Use the Stripe checkout Code inside any of the React JS Page / Component

<StripeCheckout token={clickPayment}  
 stripeKey={process.env.REACT\_APP\_STRIPE\_KEY}  
 name="Stripe Payment"  
 amount={calcGrandTotal() \* 100}  
 description="Payments with Stripe"  
 currency="inr"  
 image={stripeImage}>  
 <button className="btn btn-secondary btn-lg btn-block mt-3">PAY &#8377; {calcGrandTotal()}</button>  
</StripeCheckout>

Handler Function:

let clickPayment = (token) => {  
 let product = {  
 price : ***Number***(calcGrandTotal()) \* 100,  
 name : 'Products from BrainsKart'  
 };  
 let body = {  
 token , product  
 };  
 dispatch(makePayment(body , history));  
};

NOTE : **react-scripts** actually uses **dotenv** library under the hood.

With react-scripts@0.2.3 and higher, you can work with environment variables this way:

1. create **.env** file in the root of the project
2. set environment variables starting with **REACT\_APP\_** there
3. access it by **process.env.REACT\_APP\_...** in components

***.env***

REACT\_APP\_BASE\_URL=http://localhost:3000

***App.js***

const BASE\_URL = process.env.REACT\_APP\_BASE\_URL;