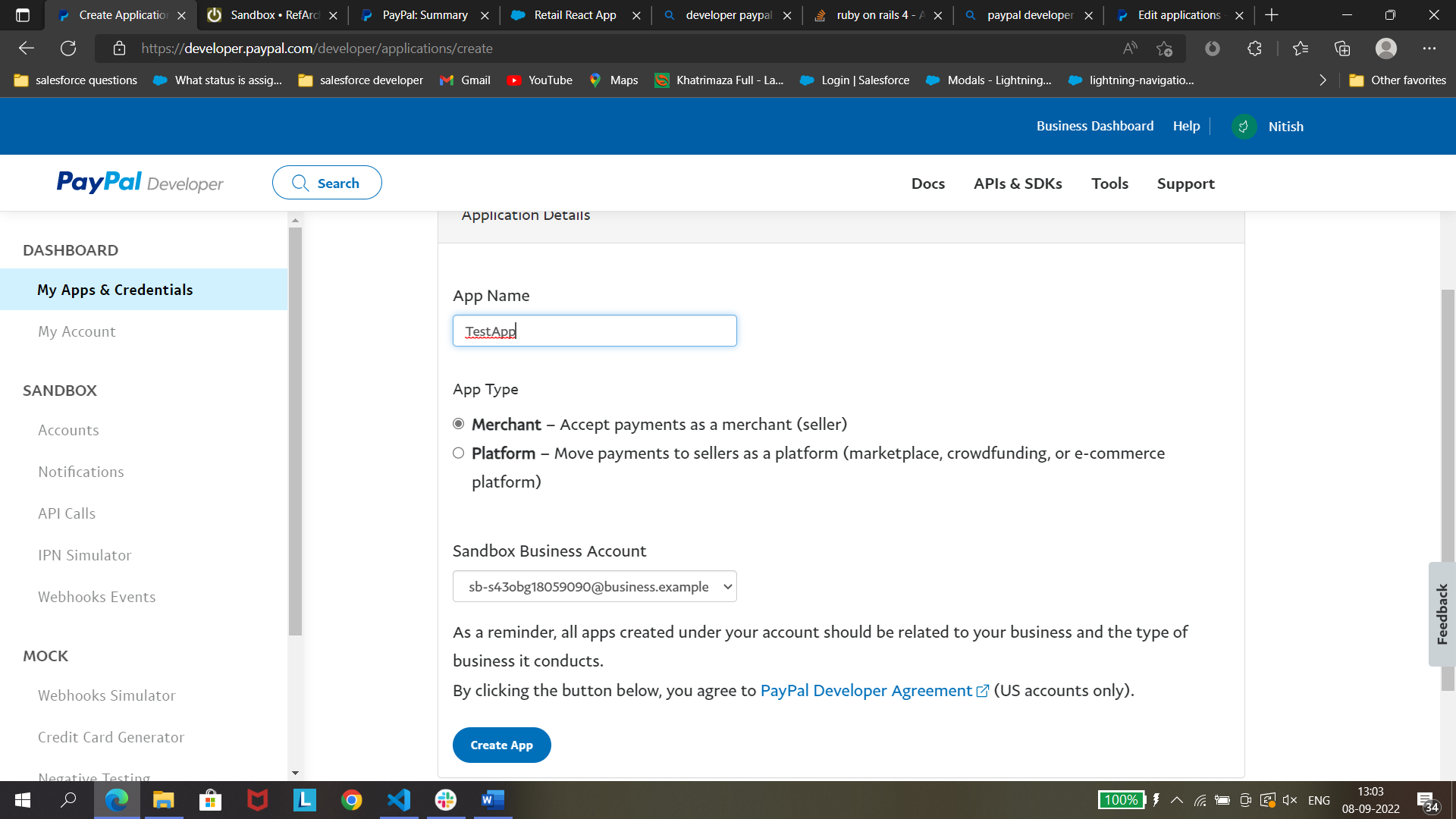
**PWA KIT PAYPAL INTEGRATION DOCUMENTATION**

**Creating PayPal Developer Account**

* Firstly, create PayPal Developer Account and Login into Dashboard
* In **Dashboard**, Go to **My Apps & Credentials** and Create a **New App** (Enter the App Name, App Type and Business Account) as given below:



* After creating app, Go to **My Apps & Credentials** and open your app, here you will get your **ClientId** and **Client Secret.**

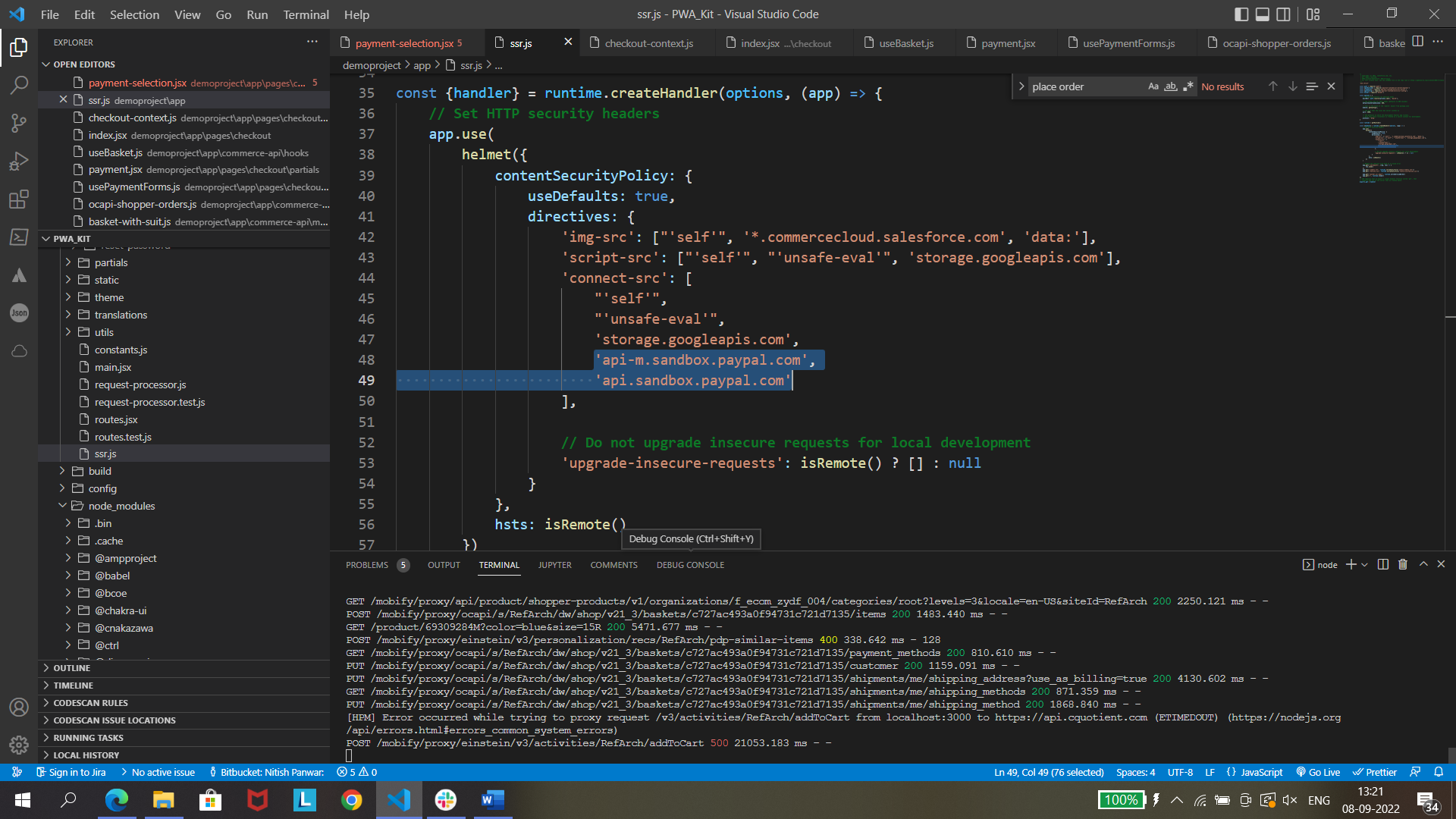
**Code Changes**

1. **ssr.js -:** In this file we need to set the domains of whose APIs we want to call to prevent the error of **Content Security Policy.**

So, for PayPal integration we need to set two domains: 1) **api-m.sandbox.paypal.com**

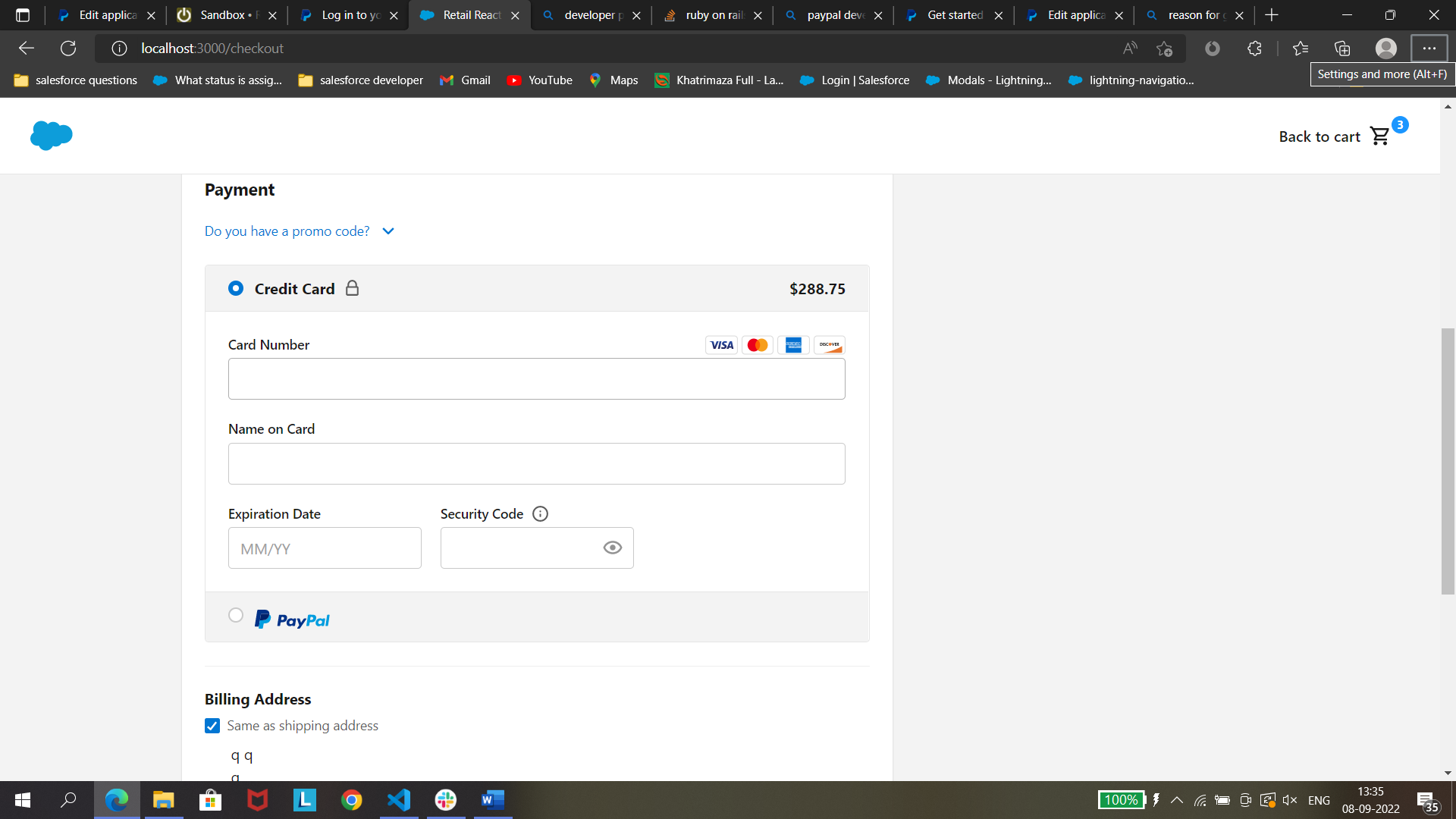
2) **api.sandbox.paypal.com**

As shown below



1. **payment-selection.jsx-:** This file renders Payment section of the checkout page

In this we had radio button for **Credit Card** and we had created one more radio button for **PayPal** as shown:



1. For Radio buttons we are using **RadioGroup** component of **chakra-ui**
2. For more detail about Radio button and other components go through the documentation of **chakra-ui** ([Radio - Chakra UI (chakra-ui.com)](https://chakra-ui.com/docs/components/radio))
3. We are calling **onChange** event on **RadioGroup** component which will execute **handleSelection** function
4. In **handleSelection** function we have to check radio button value, if **PayPal** radio button is selected then we set the state of **RadioGroup** to PayPal and we are calling API of PayPal which will redirect the user to PayPal Payment Gateway

**API is as follows:**

* + **method:** Post
  + **endpoint:** <https://api-m.sandbox.paypal.com/v2/checkout/orders>
  + **headers:** - Content-Type:application/json

- Authorization: Basic <clientid:secret>

- Prefer: return=representation

**NOTE: -** In Authorization header we have to give Base64 encoded **client ID** and **client secret**

* + **body:** Sample body is given below:

{

    "intent": "CAPTURE",

    "purchase\_units": [

        {

            "items": [

                {

                    "name": "T-Shirt",

                    "description": "Green XL",

                    "quantity": "1",

                    "unit\_amount": {

                        "currency\_code": "USD",

                        "value": "100.00"

                    }

                }

            ],

            "amount": {

                "currency\_code": "USD",

                "value": "100.00",

                "breakdown": {

                    "item\_total": {

                        "currency\_code": "USD",

                        "value": "100.00"

                    }

                }

            }

        }

    ],

    "application\_context": {

        "return\_url": " http://localhost:3000/checkout?url=return&status=approved”

        "cancel\_url": " http://localhost:3000/checkout?url=cancel&status=notApproved "

    }

}

* + **redirect:** follow

**Response:**

{

    "id": "2MC53337EF172461T",

    "intent": "CAPTURE",

    "status": "CREATED",

    "purchase\_units": [

        {

            "reference\_id": "default",

            "amount": {

                "currency\_code": "USD",

                "value": "100.00",

                "breakdown": {

                    "item\_total": {

                        "currency\_code": "USD",

                        "value": "100.00"

                    }

                }

            },

            "payee": {

                "email\_address": "sb-pjb4s14684508@business.example.com",

                "merchant\_id": "U7UNGBBWWDSSG"

            },

            "items": [

                {

                    "name": "T-Shirt",

                    "unit\_amount": {

                        "currency\_code": "USD",

                        "value": "100.00"

                    },

                    "quantity": "1",

                    "description": "Green XL"

                }

            ]

        }

    ],

    "create\_time": "2022-09-08T08:58:46Z",

    "links": [

        {

            "href": "https://api.sandbox.paypal.com/v2/checkout/orders/2MC53337EF172461T",

            "rel": "self",

            "method": "GET"

        },

        {

            "href": "https://www.sandbox.paypal.com/checkoutnow?token=2MC53337EF172461T",

            "rel": "approve",

            "method": "GET"

        },

        {

            "href": "https://api.sandbox.paypal.com/v2/checkout/orders/2MC53337EF172461T",

            "rel": "update",

            "method": "PATCH"

        },

        {

            "href": "https://api.sandbox.paypal.com/v2/checkout/orders/2MC53337EF172461T/capture",

            "rel": "capture",

            "method": "POST"

        }

    ]

}

* We store the **Capture URL** that we had get from the response of API call in local storage as shown:

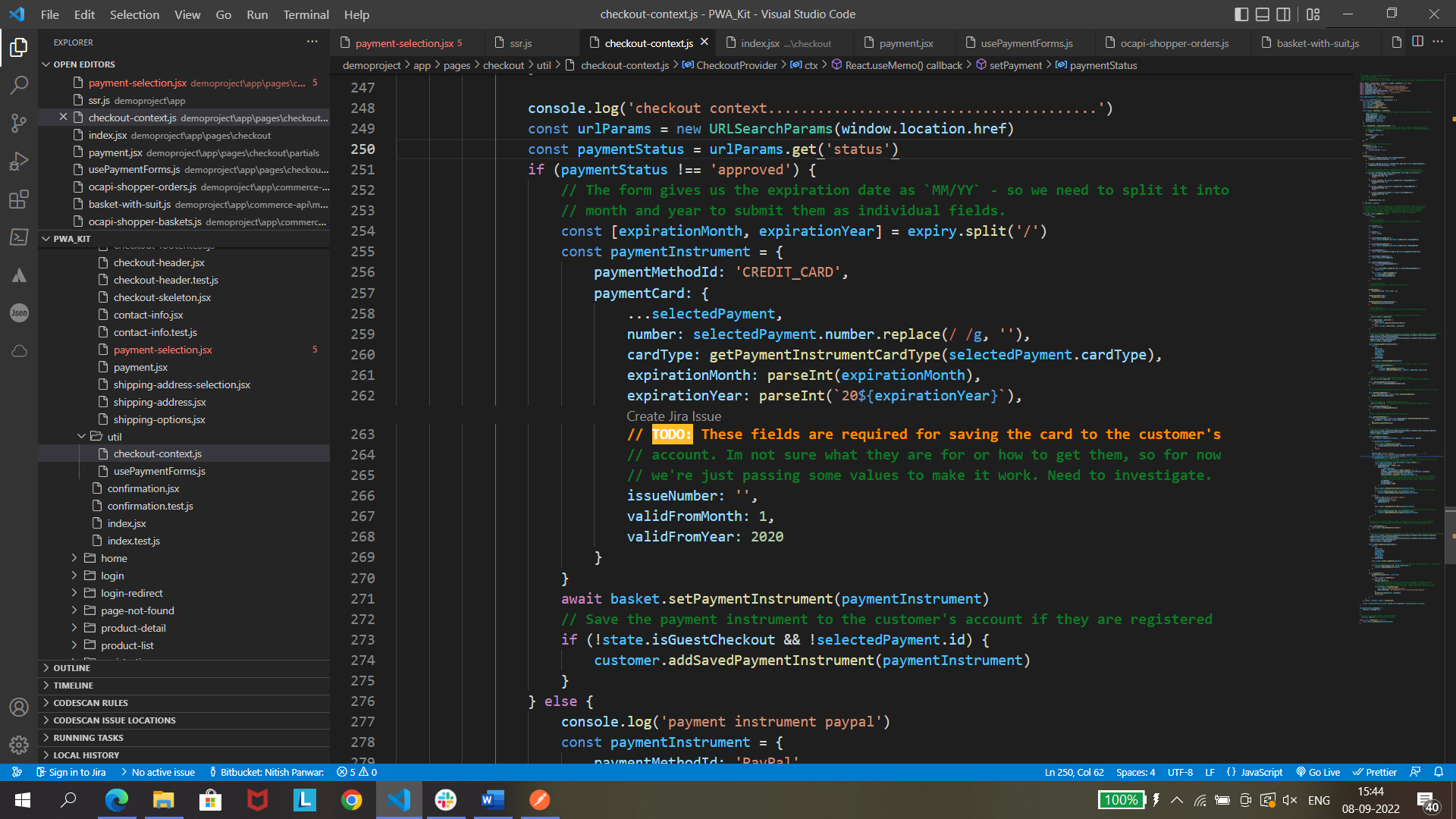
localStorage.setItem('captureUrl', captureUrl)

so that later we can use it to capture the payment.

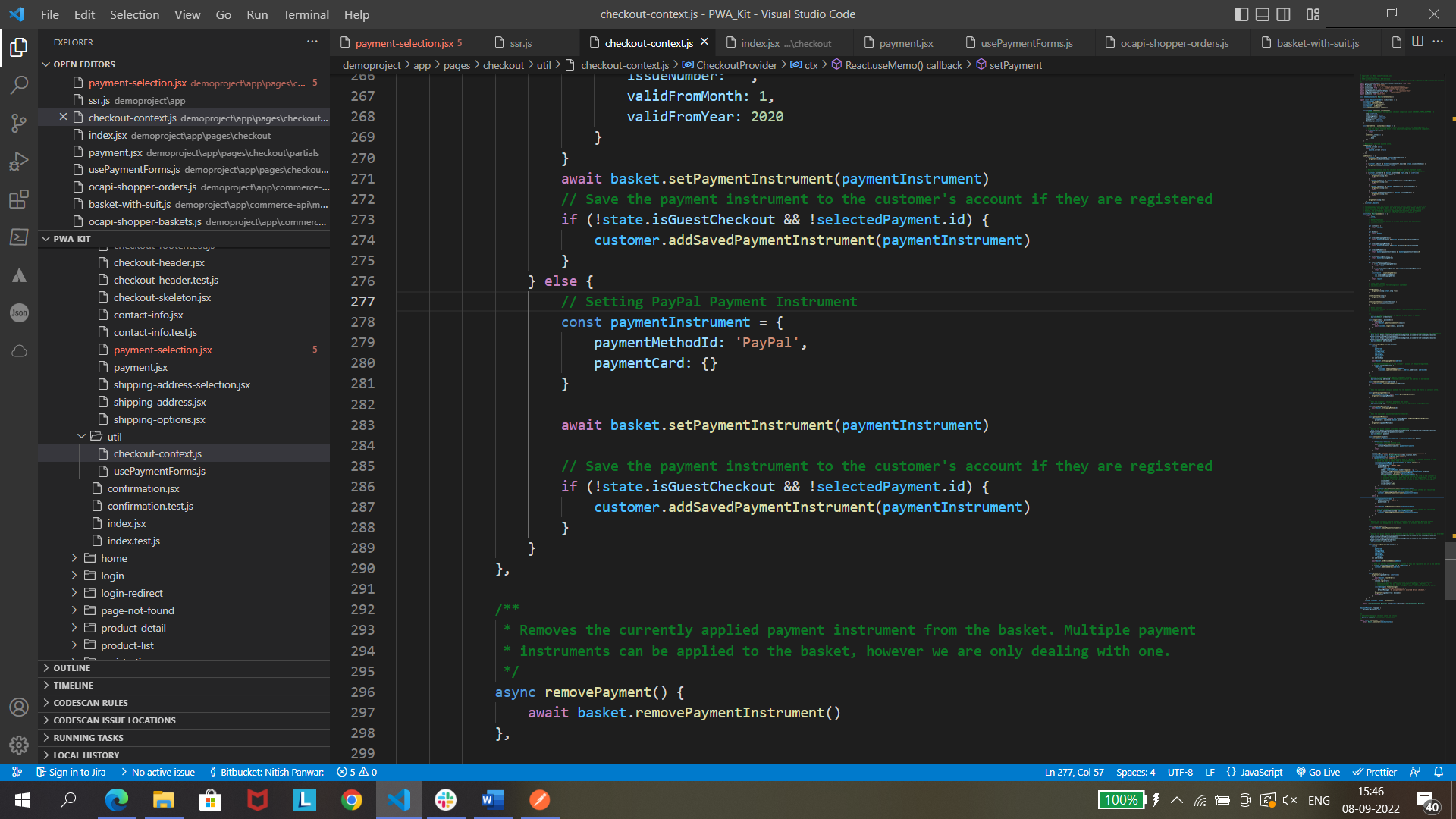
**3.** **checkout-context.js: -** In this we are setting the **Payment Instrument.**

In **setPayment** function we are checking the **status** parameter of the redirected URL on which we are redirected to after first API call (look at the redirect URL of **body** of above API call)

If the **status** is **notApproved** then we set the Payment Instrument to Credit Card just as below:

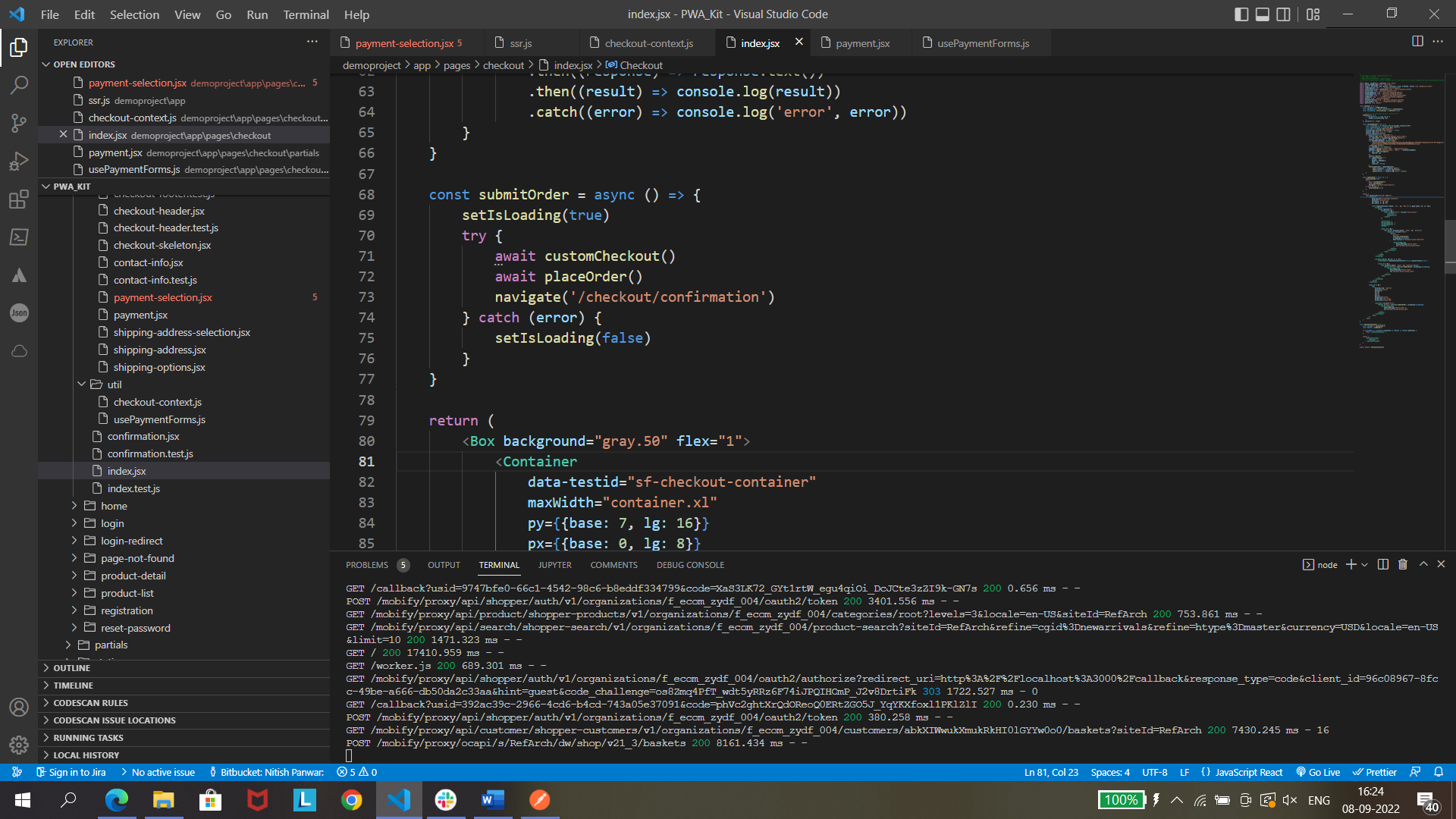


Or if the **status** is **approved** then we set the Payment Instrument to PayPal just as below:



**4.** **index.jsx (app/pages/checkout/index.jsx): -** This file renders the **Place Order** button on final checkout page.

In this on clicking the **Place Order** button it uses **onClick** event that execute **submitOrder** function of this file as shown:



In **submitOrder** function we are calling **customCheckout** function.

**In customCheckout function:**

* Firstly, we will get the **PayerID** parameter value from the redirected URL on which we are redirected to after first API call (look at the redirect URL of **body** of above API call)
* After that we will call the API for capturing the payment by passing the **PayerID** in the body of the API

**API is as follows:**

* + **method:** Post
  + **endpoint:** Endpoint URL will be the **Capture URL** that we had get as a response in our First API call and we had store it in **local storage**

We get that URL from local storage as shown below

let captureUrl = localStorage.getItem('captureUrl')

* + **headers:** - Content-Type:application/json

- Authorization: Basic <clientid:secret>

**NOTE: -** In Authorization header we have to give Base64 encoded **client ID** and **client secret**

* + **body:** In body we will pass the **PayerID** as show below:

{

    "PayerID":"PayerID that we get from URL here"

}

* + **redirect:** follow

On **success**, payment will be deducted from the Payer’s PayPal account.