0 Referencias

Sitio de Desarrolladores de PayPal
https://developer.paypal.com

BCDC (PayPal Basic)
https://developer.paypal.com/docs/business/checkout/set-up-standard-payments/

1 Obtén tus Credenciales (Client ID & Secret)

https://developer.paypal.com/docs/api/overview/#get-credentials

Create New App

Before you create your new app, let us know what kind of solution you're looking for.

Application Details

App Name

nombresitio

App Type

◉ **Merchant** – Accept payments as a merchant (seller)
○ **Platform** – Move payments to sellers as a platform (marketplace, crowdfunding, or e-commerce platform)

As a reminder, all apps created under your account should be related to your business and the type of business it conducts.

By clicking the button below, you agree to **PayPal Developer Agreement** ⬀ (US accounts only).

Create App

Dejar el
"App Type"
por default

* en Sandbox deberás incluir a que cuenta querrás asociar la App

2 Solución a Implementar

www.sitio.com

pagar

2 microservicios
1 HTML/Javascript
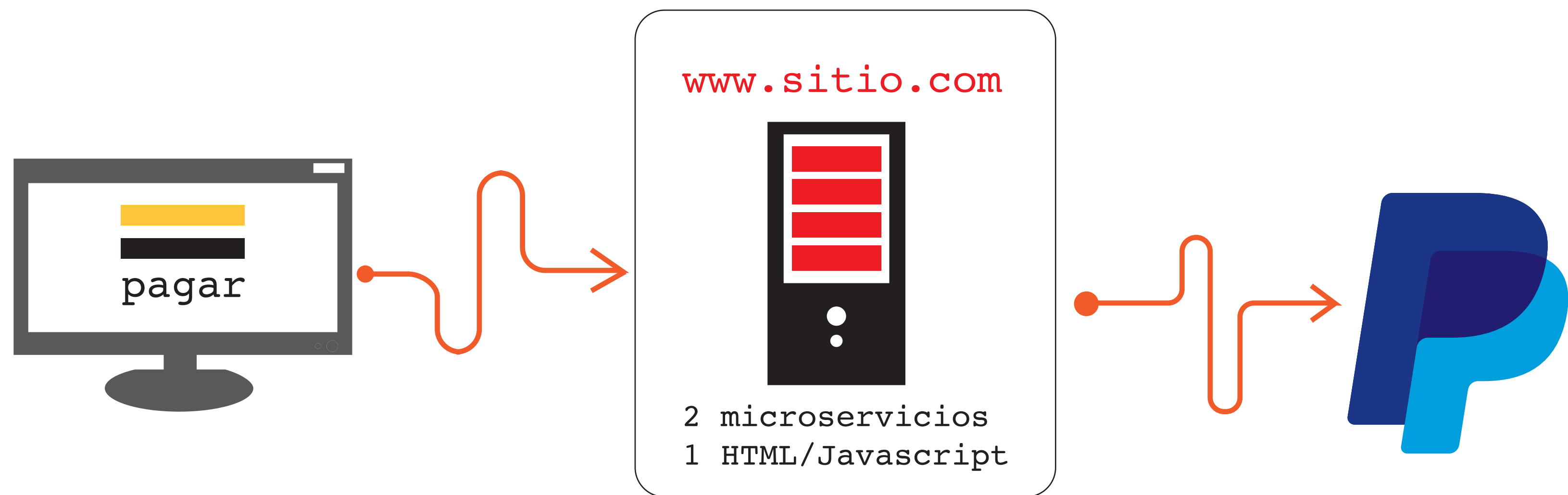
3 Crea dos microservicios

Make REST API calls

In REST API calls, include the URL to the API service for the environment:

- Sandbox: `https://api-m.sandbox.paypal.com`

- Live: `https://api-m.paypal.com`

Client ID & Secret
obtenidos en el Paso 1

a **Obtención de "Access Token"**
https://developer.paypal.com/docs/api/overview/#get-an-access-token

```javascript
async function getToken(req, res) {
    const link = `https://api-m.sandbox.paypal.com/v1/oauth2/token`;

    const clientId = req.body.clientId;
    const secret = req.body.secret;

    const auth = `Basic ${ require('btoa')(clientId + ':' + secret) }`;

    const headers = {
        'Accept': 'application/json',
        'Content-Type': 'application/x-www-form-urlencoded',
        'Authorization': auth
    };

    const body = 'grant_type=client_credentials';

    const response = await fetch.execute(link, 'POST', headers, body);
    res.send(response);
}
```

Node.js Sample

b **Creación de Orden**
https://developer.paypal.com/docs/api/orders/v2/#orders_create

```javascript
async function createOrder(req, res) {
    const link = `https://api-m.sandbox.paypal.com/v2/checkout/orders`;

    const headers = {
        'Accept': 'application/json',
        'Content-Type': 'application/json',
        'Authorization': `Bearer ${req.body.access_token}`
    };

    const body = JSON.stringify(inputObject);

    const response = await fetch.execute(link, 'POST', headers, body);
    console.log('Order ID', response.id);
    console.log('Approval Link', response.links[1].href);
    res.send(response);
}
```
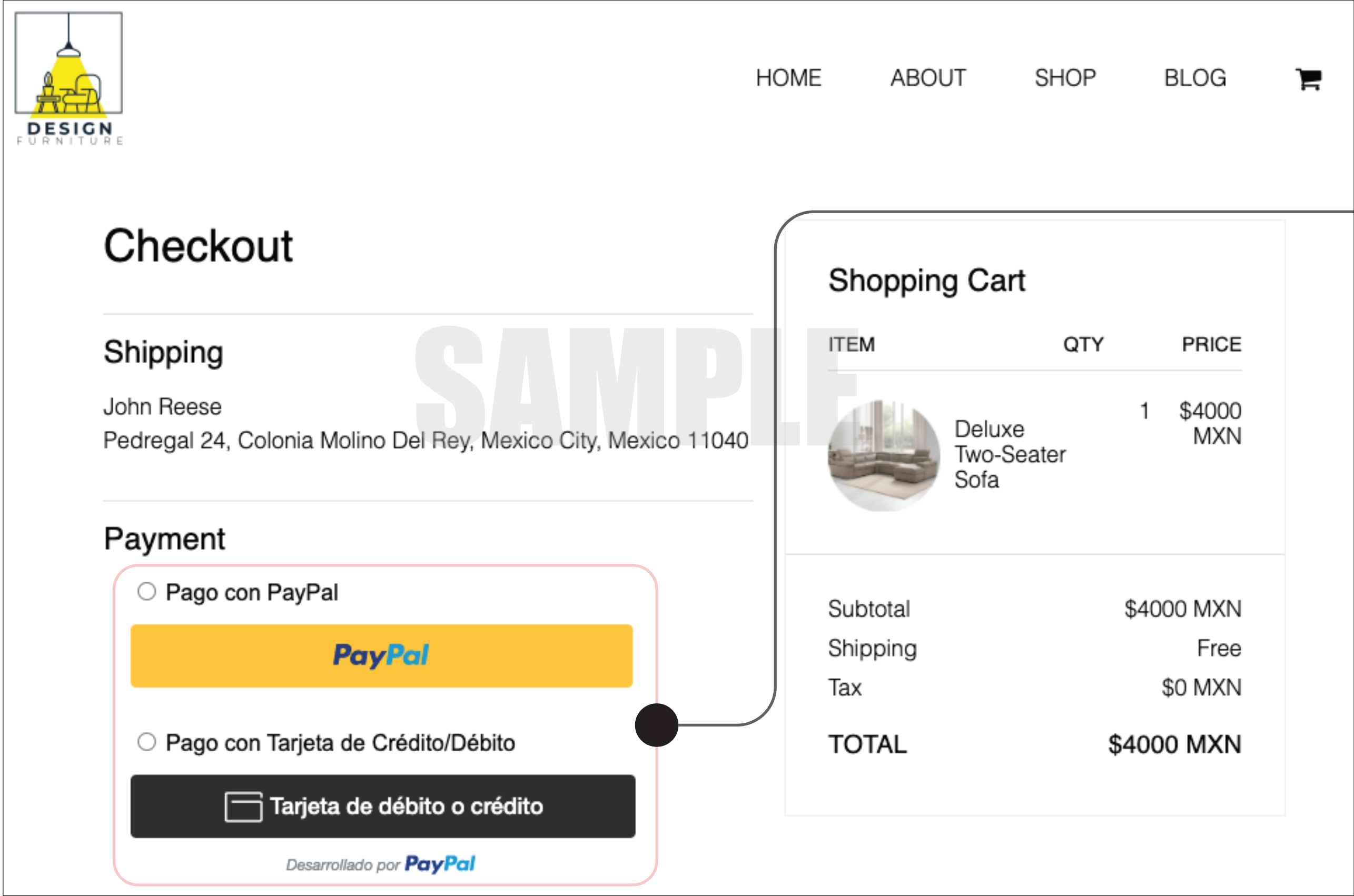
Node.js Sample

JSON de Entrada
(ver referencias)

PayPal *BCDC Guía Rápida*

④ Agregar código HTML y Javascript

Checkout

Shipping

John Reese
Pedregal 24, Colonia Molino Del Rey, Mexico City, Mexico 11040

Payment

○ Pago con PayPal

PayPal

○ Pago con Tarjeta de Crédito/Débito

Tarjeta de débito o crédito

Desarrollado por PayPal

Shopping Cart

ITEM	QTY	PRICE
Deluxe Two-Seater Sofa	1	$4000 MXN

Subtotal	$4000 MXN
Shipping	Free
Tax	$0 MXN
TOTAL	**$4000 MXN**

HTML

```html
<html>

<head>
    <title>BCDC (Basic)</title>
    <meta charset="utf-8" />

    <!-- Optimal rendering on mobile devices. -->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- Optimal Internet Explorer compatibility -->
    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <!-- Sample CSS styles for demo purposes. You can override these styles to match your web page's branding.
-->
    <link rel="stylesheet" type="text/css"
        href="https://www.paypalobjects.com/webstatic/en_US/developer/docs/css/cardfields.css" />
</head>

<script src="./basic.js"></script>

<script
    src="https://www.paypal.com/sdk/js?client-id=<CLIENT ID>&currency=MXN&locale=es_MX&components=buttons,fund
ing-eligibility">
</script>

<body onload="renderButtons();" style="font-family: Arial; font-size: 10px;">
    <!-- Buttons container -->
    <table border="0" align="center" valign="top" bgcolor="#FFFFFF" style="width: 39%">
        <tr>
            <td style="padding-bottom: 10px;">
                <input type="radio" id="payment" name="payment" value="paypal" onclick="showDivs(this.value);">
                    Pago con PayPal
            </td>
        </tr>
        <tr>
            <td style="height: 50px; vertical-align: top;">
                <div id="paypal-button-div"></div>
            </td>
        </tr>
        <tr>
            <td> </td>
        </tr>
        <tr>
            <td style="padding-bottom: 10px;">
                <input type="radio" id="payment" name="payment" value="bcdc" onclick="showDivs(this.value);">
                    Pago con Tarjeta de Crédito/Débito
            </td>
        </tr>
        <tr>
            <td colspan="2">
                <div id="credit-button-div"></div>
            </td>
        </tr>
    </table>
</body>

</html>
```

Consideraciones:

— Los botones deben verse separados en la sección de método de pago correspondiente.

— Tener agregados los parámetros en el atributo "src" del objeto "script"
&currency=MXN&locale=es_MX&components=buttons,funding-eligibility

— En el método "createOrder" debes invocar los microservicios generados en la sección "1":
1. Obtención de token,
2. Creación de la orden

— La captura de la orden en el método "onApprove" se deja como se muestra en el código de referencia:

```
onApprove: function (data, actions) {
    return actions.order.capture().then((details) => {
        handleRespose(details);
    });
}
```

Javascript

```javascript
const clientId = `AUWO1M5dp-WVs7O1g395zC7VhYARUbCMMtXNtcMpDpFr5p86gw5QJQyz6ohuFCHZ7f3x2Xp1dvXhHYCz`;
const secret = `EEE7L0rn-0dTA1e9UTuJAFPoAkU_O8OVk67TxyiggaqFHEXTidj2TUWC3np8bxUecbNxT10087zN8t4i`;

async function myCreateOrder() {
    var response = await fetch('/api/payments/get-token', {
        method: 'post',
        headers: {
            "Content-type": "application/json; charset=UTF-8"
        },
        body: JSON.stringify({
            clientId: clientId,
            secret: secret
        })
    });
    response = await response.json();

    const accessToken = response.access_token;

    var response = await fetch('/api/payments/create-order', {
        method: 'post',
        headers: {
            "Content-type": "application/json; charset=UTF-8"
        },
        body: JSON.stringify({
            access_token: accessToken
        })
    });
    response = await response.json();
    id = response.id;
    console.log('Order Id', id);
    return response.Id;
}

function handleRespose(details) {
    console.log(JSON.stringify(details))
    alert("Pago Completado Exitosamente ID PAYPAL " + details.purchase_units[0].payments.captures[0].id);
}

function renderButtons() {
    // PayPal Button (yellow button)
    var paypalButton = paypal.Buttons({
        style: {
            layout: "vertical"
        },
        fundingSource: paypal.FUNDING.PAYPAL,
        createOrder: async (data, actions) => {
            return await myCreateOrder();
        },
        onApprove: function (data, actions) {
            return actions.order.capture().then((details) => {
                handleRespose(details);
            });
        }
    });
    paypalButton.render("#paypal-button-div");

    // Debit/Credit Card Button (black button)
    var bcdcButton = paypal.Buttons({
        style: {
            layout: "vertical"
        },
        fundingSource: paypal.FUNDING.CARD,
        createOrder: async (data, actions) => {
            return await myCreateOrder();
        },
        onApprove: function (data, actions) {
            return actions.order.capture().then((details) => {
                handleRespose(details);
            });
        }
    });
    bcdcButton.render("#credit-button-div");
}

function showDivs(value) {
    var paypal = document.getElementById("paypal-button-div");
    var credit = document.getElementById("credit-button-div");

    if (value == 'paypal') {
        paypal.style.display = '';
        credit.style.display = 'none';
    } else if (value == 'bcdc') {
        paypal.style.display = 'none';
        credit.style.display = '';
    }
}
```

5 JSON de Entrada
para bienes digitales

○ Pago con Tarjeta de Crédito/Débito

▭ Tarjeta de débito o crédito

✕

Número de la tarjeta

Fecha de vencimiento	CSC

☐ Confirmo que soy mayor de edad y acepto el Aviso de privacidad de PayPal.

Pagar $195.00 MXN

Desarrollado por **PayPal**

* Colocar "NO_SHIPPING" en "shipping_preference"

```json
{
    "intent": "CAPTURE",
    "payer": {
        "email_address": "correo_electronico@gmail.com",
        "name": {
            "given_name": "Juan",
            "surname": "Perez"
        },
        "phone": {
            "phone_number": {
                "national_number": "525539010178"
            }
        },
        "address": {
            "address_line_1": "Av. del Valle 43",
            "address_line_2": "Del Valle",
            "admin_area_2": "Benito Juarez",
            "admin_area_1": "DF",
            "postal_code": "03300",
            "country_code": "MX"
        }
    },
    "application_context": {
        "shipping_preference": "NO_SHIPPING"
    },
    "purchase_units": [{
        "amount": {
            "currency_code": "MXN",
            "value": "195.00",
            "breakdown": {
                "item_total": {
                    "currency_code": "MXN",
                    "value": "200.00"
                },
                "discount": {
                    "value": "5.00",
                    "currency_code": "MXN"
                }
            }
        },
        "items": [
            {
                "name": "Cargo 1",
                "quantity": "1",
                "description": "Producto o Servicio",
                "unit_amount": {
                    "currency_code": "MXN",
                    "value": "190.00"
                }
            },
            {
                "name": "Fee",
                "quantity": "1",
                "description": "Comisión por Producto o Servicio",
                "unit_amount": {
                    "currency_code": "MXN",
                    "value": "10.00"
                }
            }
        ]
    }]
}
```

5 JSON de Entrada
para bienes físicos

○ Pago con Tarjeta de Crédito/Débito

▭ Tarjeta de débito o crédito

✕

Número de la tarjeta

Fecha de vencimiento   CSC

☐ Confirmo que soy mayor de edad y acepto el Aviso de privacidad de PayPal.

Pagar $950.00 MXN

Desarrollado por PayPal

* Colocar "SET_PROVIDED_ADDRESS" en "shipping_preference"

```json
{
    "intent": "CAPTURE",
    "payer": {
        "email_address": "correo_electronico@gmail.com",
        "name": {
            "given_name": "Juan",
            "surname": "Perez"
        },
        "phone": {
            "phone_number": {
                "national_number": "525539010178"
            }
        },
        "address": {
            "address_line_1": "Av. del Valle 43",
            "address_line_2": "Del Valle",
            "admin_area_2": "Benito Juarez",
            "admin_area_1": "DF",
            "postal_code": "03300",
            "country_code": "MX"
        }
    },
    "application_context": {
        "shipping_preference": "SET_PROVIDED_ADDRESS"
    },
    "purchase_units": [{
        "amount": {
            "currency_code": "MXN",
            "value": "950.00",
            "breakdown": {
                "item_total": {
                    "currency_code": "MXN",
                    "value": "1000.00"
                },
                "discount": {
                    "value": "50.00",
                    "currevncy_code": "MXN"
                }
            }
        },
        "items": [
            {
                "name": "Cargo 1",
                "quantity": "1",
                "description": "Producto o Servicio",
                "unit_amount": {
                    "currency_code": "MXN",
                    "value": "950.00"
                }
            },
            {
                "name": "Fee",
                "quantity": "1",
                "description": "Comisión por Producto o Servicio",
                "unit_amount": {
                    "currency_code": "MXN",
                    "value": "50.00"
                }
            }
        ]
        , "shipping": {
            "name": {
                "full_name": "Juan Pérez"
            },
            "address": {
                "address_line_1": "Av. del Valle 43",
                "address_line_2": "Del Valle",
                "admin_area_2": "Benito Juarez",
                "admin_area_1": "DF",
                "postal_code": "03300",
                "country_code": "MX"
            }
        }
    }]
};
```