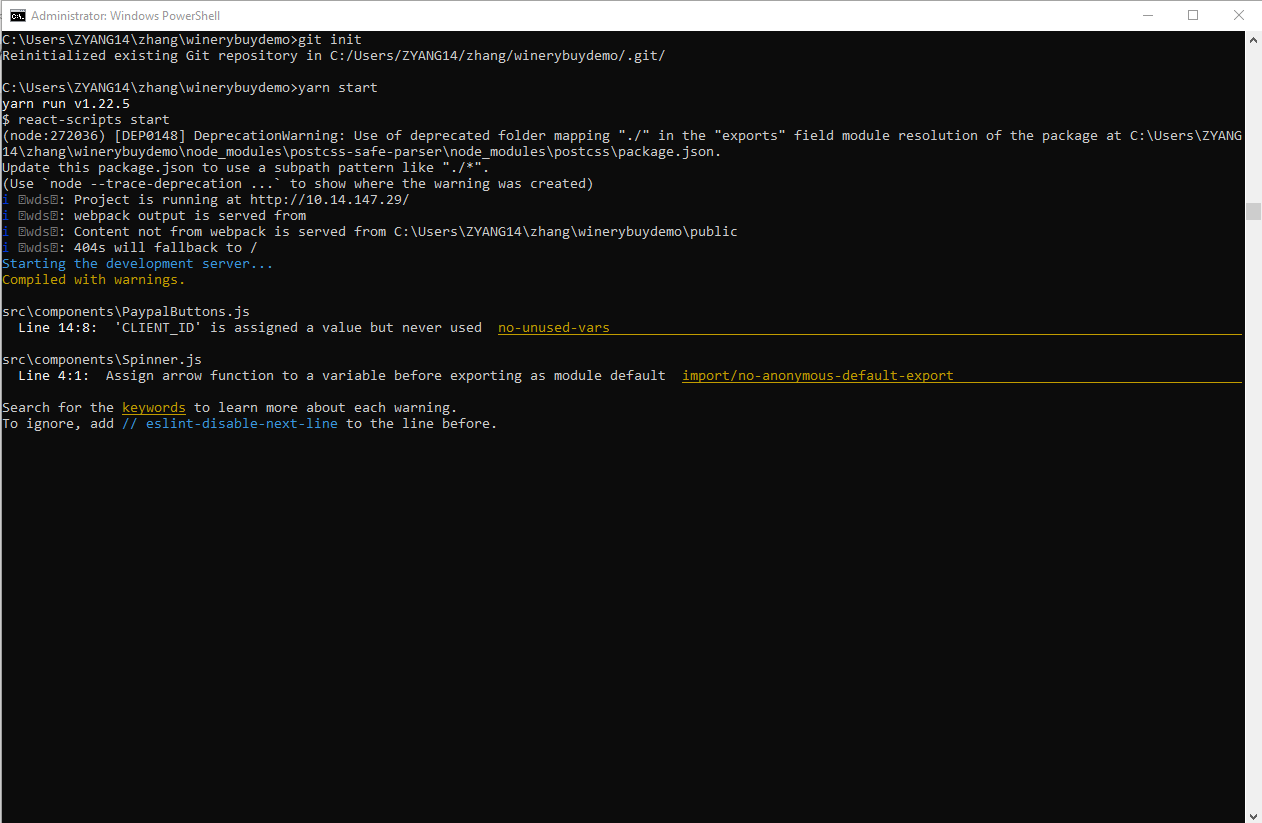
Workflow with embedded PayPal button

Git Repo for winerybuydemo:

<https://github.com/zhijunyang/winerybuydemo>

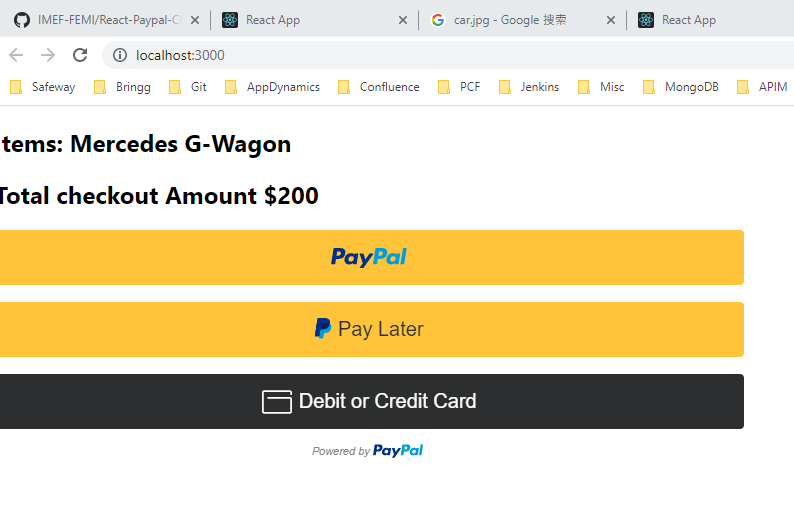
Run winerybuydemo:



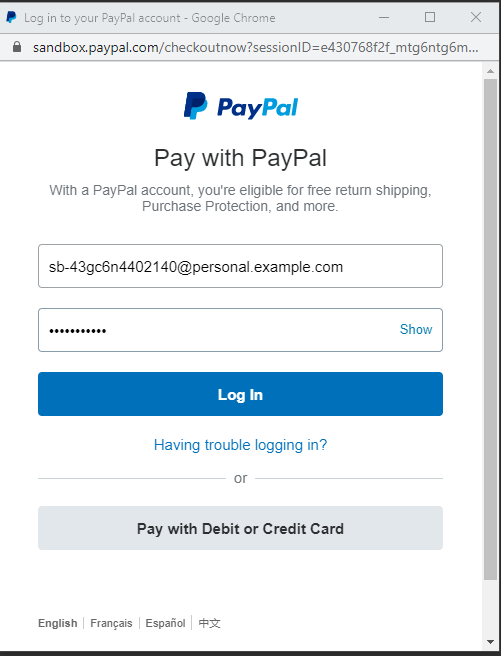
It opens the following page:



Click “Pay” button, it opens:

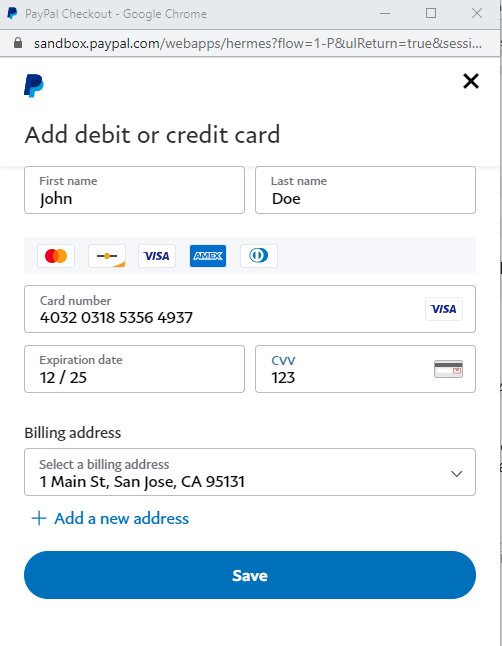


Click “PayPal” button:

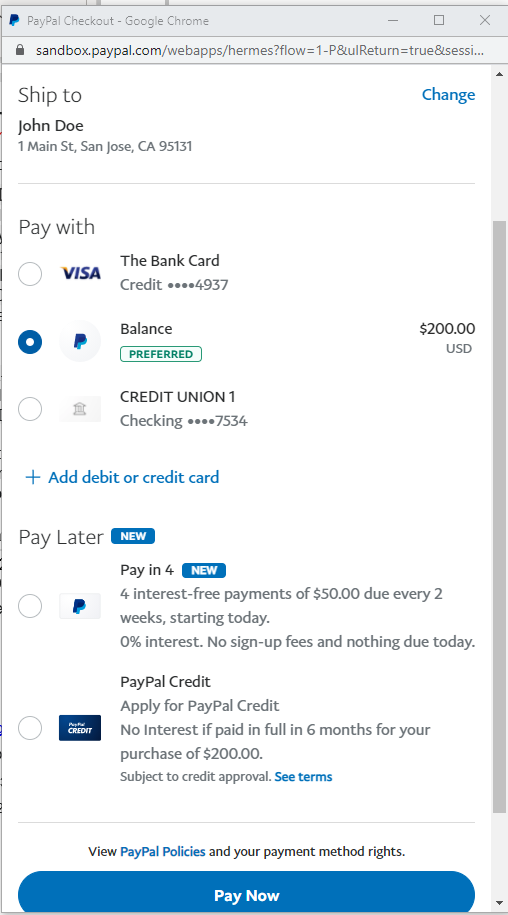


Put [sb-43gc6n4402140@personal.example.com](mailto:sb-43gc6n4402140@personal.example.com) as login id,

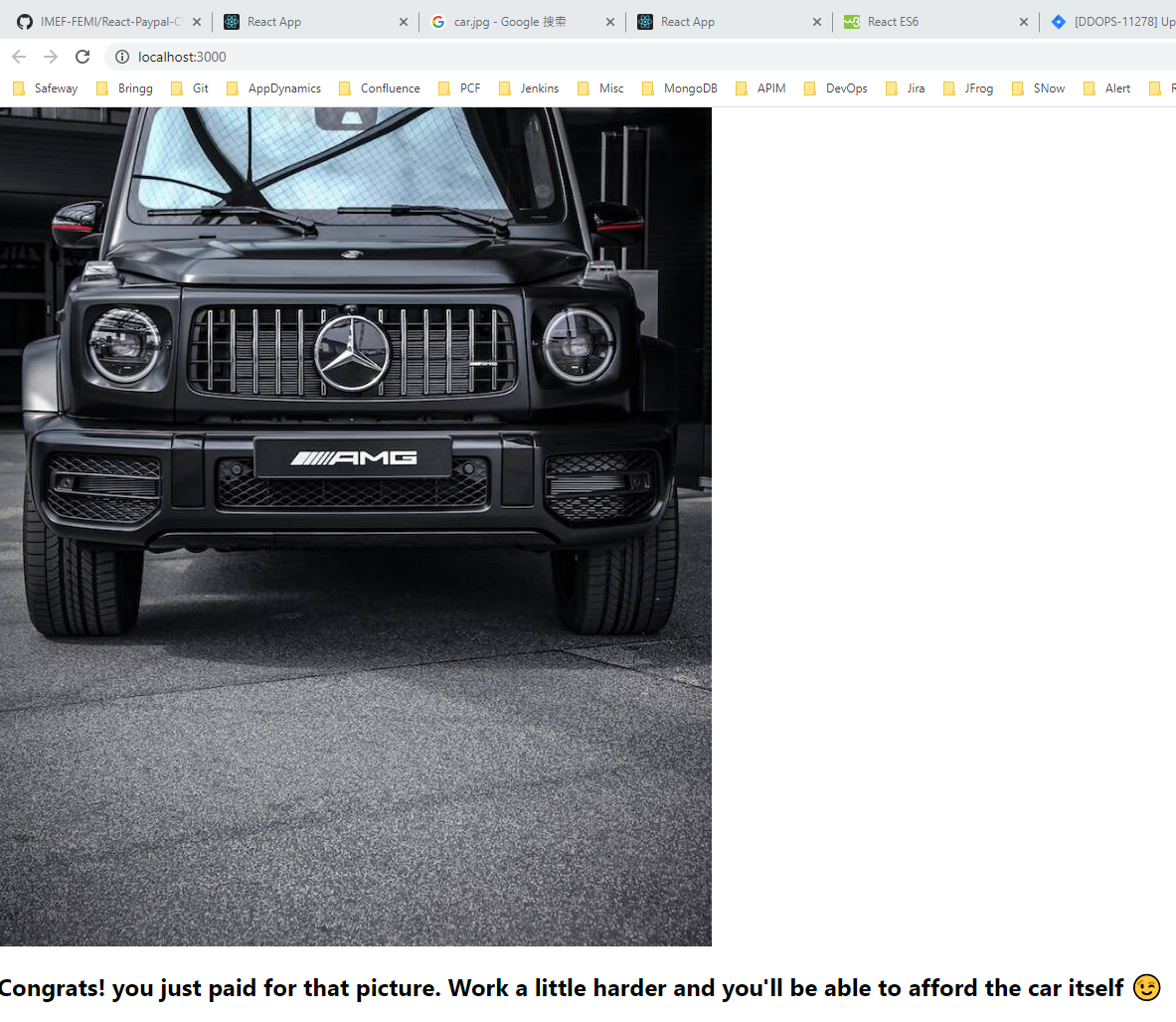
Put Seattle1234 as password, click “Log In”



Fill in “Card number” and “Expiration date” as it shows. You can use any CVV. Click “Save”



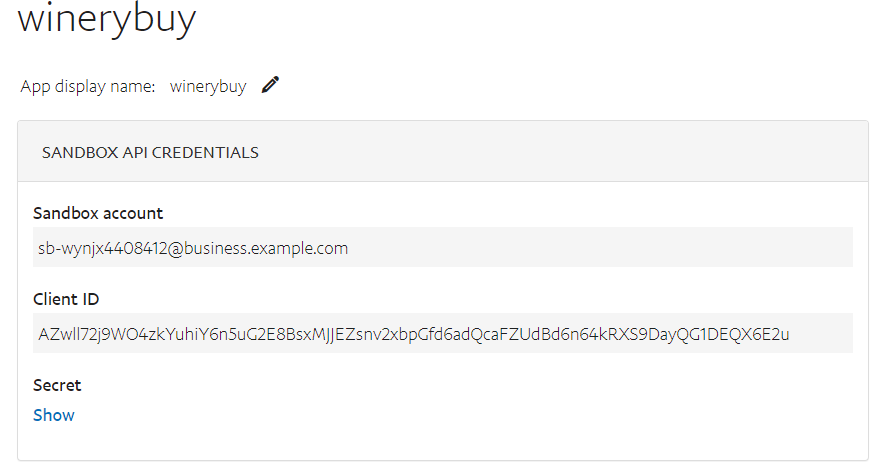
Click “Pay Now”



Paid!!!!

Workflow without embedded PayPal button

We created a business account in PayPal, which has the following important attributes:



In order to call any PayPal API, you need put access token, to get access token, we make the following call:

curl --location --request POST 'https://api-m.sandbox.paypal.com/v1/oauth2/token' \

--header 'Accept: application/json' \

--header 'Accept-Language: en\_US' \

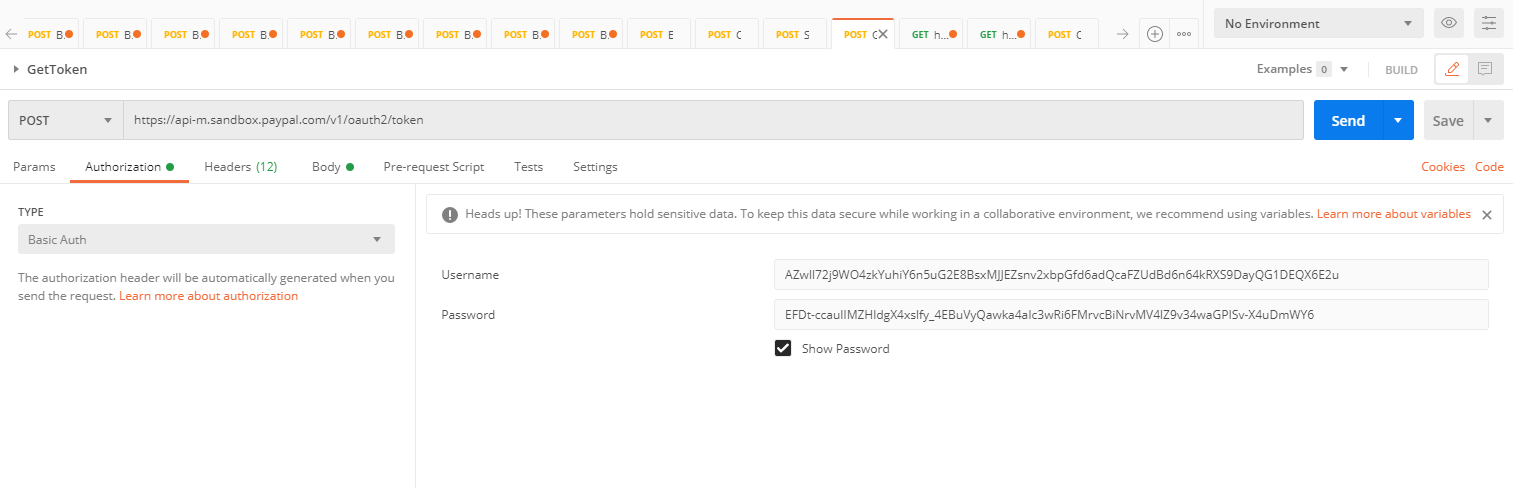
--header 'Authorization: Basic QVp3bGw3Mmo5V080emtZdWhpWTZuNXVHMkU4QnN4TUpKRVpzbnYyeGJwR2ZkNmFkUWNhRlpVZEJkNm42NGtSWFM5RGF5UUcxREVRWDZFMnU6RUZEdC1jY2F1bElNWkhsZGdYNHhzbGZ5XzRFQnVWeVFhd2thNGFJYzN3Umk2Rk1ydmNCaU5ydk1WNGxaOXYzNHdhR1BJU3YtWDR1RG1XWTY=' \

--header 'Content-Type: application/x-www-form-urlencoded' \

--header 'Cookie: LANG=en\_US%3BUS; tsrce=hermesnodeweb; x-csrf-jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbiI6Ii1NakpGZUdCX3cxT1VEUmd4blZ0N2dRTjBtdHk1VFl6QjRLWXNYQTlDYjBCWWhQQWpDZm1xWUQ4ZzVlX2VsRTBzLURQWURMYzRvWTZ1bDY3b052LXc5VzVCLWdOalBNZkRCMU8za3NLYlZtM21NMnIxSk1XZjc2U1NFcVBzYTZ1LVlqWnhLSDJKbTl1dVBja2loUms4STVCUFM4c2YzcTU0VWQ2cjluQWVwV0R6VjFGX1Q1djFIZ2QtRHUiLCJpYXQiOjE2MDkyNzU5NzUsImV4cCI6MTYwOTI3OTU3NX0.AfXY8vTWByWd9dk28ZojGTgYuH1FM2v6vzCxkoRK6X4; ts=vreXpYrS%3D1703883974%26vteXpYrS%3D1609277774%26vr%3Db052a3bc1760a488874967cdfa0b59b9%26vt%3Db052a3bc1760a488874967cdfa0b59b8%26vtyp%3Dnew; ts\_c=vr%3Db052a3bc1760a488874967cdfa0b59b9%26vt%3Db052a3bc1760a488874967cdfa0b59b8' \

--data-urlencode 'grant\_type=client\_credentials'

Note the http header in the below picture is corresponding to the Authorization header,



Make the call and it reeturns the following response:

{

"scope": "https://uri.paypal.com/services/invoicing https://uri.paypal.com/services/vault/payment-tokens/read https://uri.paypal.com/services/disputes/read-buyer https://uri.paypal.com/services/payments/realtimepayment https://uri.paypal.com/services/disputes/update-seller https://uri.paypal.com/services/payments/payment/authcapture openid https://uri.paypal.com/services/disputes/read-seller Braintree:Vault https://uri.paypal.com/services/payments/refund https://api.paypal.com/v1/vault/credit-card https://api.paypal.com/v1/payments/.\* https://uri.paypal.com/payments/payouts https://uri.paypal.com/services/vault/payment-tokens/readwrite https://api.paypal.com/v1/vault/credit-card/.\* https://uri.paypal.com/services/subscriptions https://uri.paypal.com/services/applications/webhooks",

"access\_token": "A21AAJPLlvAlbPkR0h9Uub6Hzzsgg7GJSJoUnpZOH1t8tU7vVuXOi7PCG0d5N7LP2ABurvoxDh1-NHhXURCTKV2Q9bpJvknJg",

"token\_type": "Bearer",

"app\_id": "APP-80W284485P519543T",

"expires\_in": 32400,

"nonce": "2020-12-30T20:16:44ZlhBMT-OFtfXIrFbSPl0bc3GylOYpUm9-wpDOWusyC5s"

}

We will use the access\_token for future API calls to PayPal.

Note expires\_in, it’s second. It means it will expire in 5 hours.

Next, we will make call to checkout:

curl --location --request POST 'https://api-m.sandbox.paypal.com/v2/checkout/orders' \

--header 'Content-Type: application/json' \

--header 'Authorization: Bearer A21AAJPLlvAlbPkR0h9Uub6Hzzsgg7GJSJoUnpZOH1t8tU7vVuXOi7PCG0d5N7LP2ABurvoxDh1-NHhXURCTKV2Q9bpJvknJg' \

--header 'Cookie: tsrce=hermesnodeweb; x-csrf-jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbiI6Ii1NakpGZUdCX3cxT1VEUmd4blZ0N2dRTjBtdHk1VFl6QjRLWXNYQTlDYjBCWWhQQWpDZm1xWUQ4ZzVlX2VsRTBzLURQWURMYzRvWTZ1bDY3b052LXc5VzVCLWdOalBNZkRCMU8za3NLYlZtM21NMnIxSk1XZjc2U1NFcVBzYTZ1LVlqWnhLSDJKbTl1dVBja2loUms4STVCUFM4c2YzcTU0VWQ2cjluQWVwV0R6VjFGX1Q1djFIZ2QtRHUiLCJpYXQiOjE2MDkyNzU5NzUsImV4cCI6MTYwOTI3OTU3NX0.AfXY8vTWByWd9dk28ZojGTgYuH1FM2v6vzCxkoRK6X4; ts=vreXpYrS%3D1703883974%26vteXpYrS%3D1609277774%26vr%3Db052a3bc1760a488874967cdfa0b59b9%26vt%3Db052a3bc1760a488874967cdfa0b59b8%26vtyp%3Dnew; ts\_c=vr%3Db052a3bc1760a488874967cdfa0b59b9%26vt%3Db052a3bc1760a488874967cdfa0b59b8' \

--data-raw '{

  "intent": "CAPTURE",

  "purchase\_units": [

    {

      "amount": {

        "currency\_code": "USD",

        "value": "51.00"

      }

    }

  ]

}'

Note header 'Authorization: Bearer A21AAJPLlvAlbPkR0h9Uub6Hzzsgg7GJSJoUnpZOH1t8tU7vVuXOi7PCG0d5N7LP2ABurvoxDh1-NHhXURCTKV2Q9bpJvknJg'

The response is:

{

"id": "9R587134RF5631606",

"status": "CREATED",

"links": [

{

"href": "https://api.sandbox.paypal.com/v2/checkout/orders/9R587134RF5631606",

"rel": "self",

"method": "GET"

},

{

"href": "https://www.sandbox.paypal.com/checkoutnow?token=9R587134RF5631606",

"rel": "approve",

"method": "GET"

},

{

"href": "https://api.sandbox.paypal.com/v2/checkout/orders/9R587134RF5631606",

"rel": "update",

"method": "PATCH"

},

{

"href": "https://api.sandbox.paypal.com/v2/checkout/orders/9R587134RF5631606/capture",

"rel": "capture",

"method": "POST"

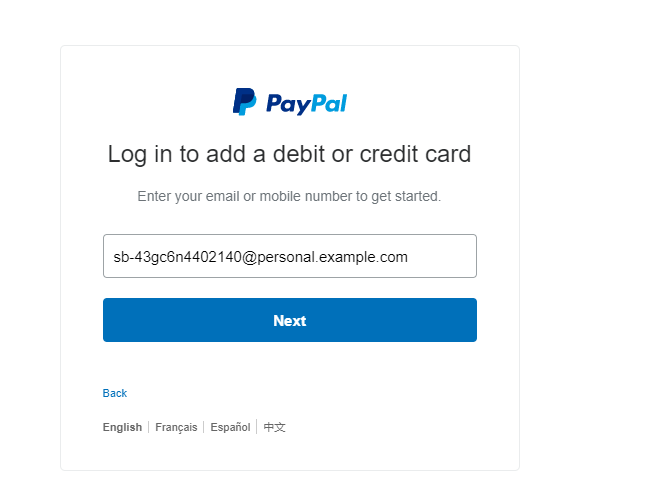
}

]

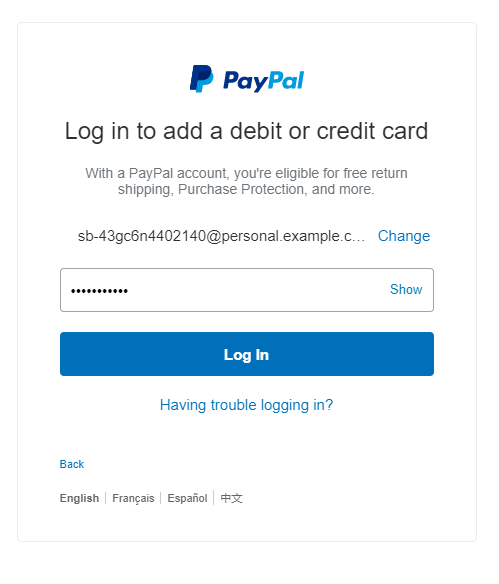
}

We paste <https://www.sandbox.paypal.com/checkoutnow?token=9R587134RF5631606> into a browser to approve the payment:

PayPal login page opens:

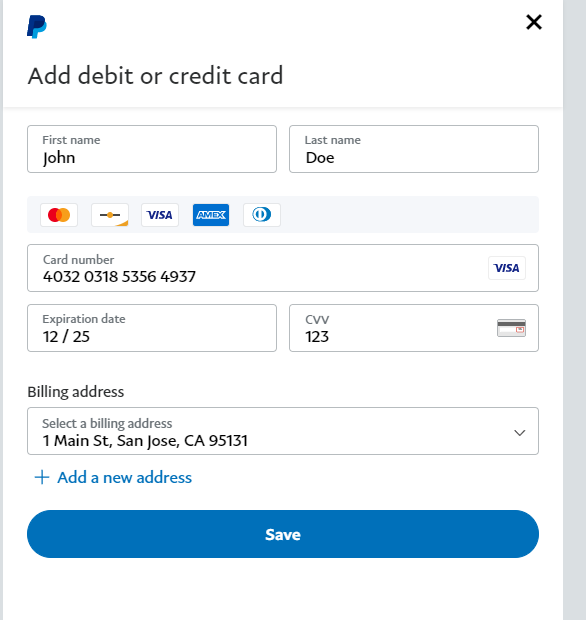


Put the customer account, click “Next”,

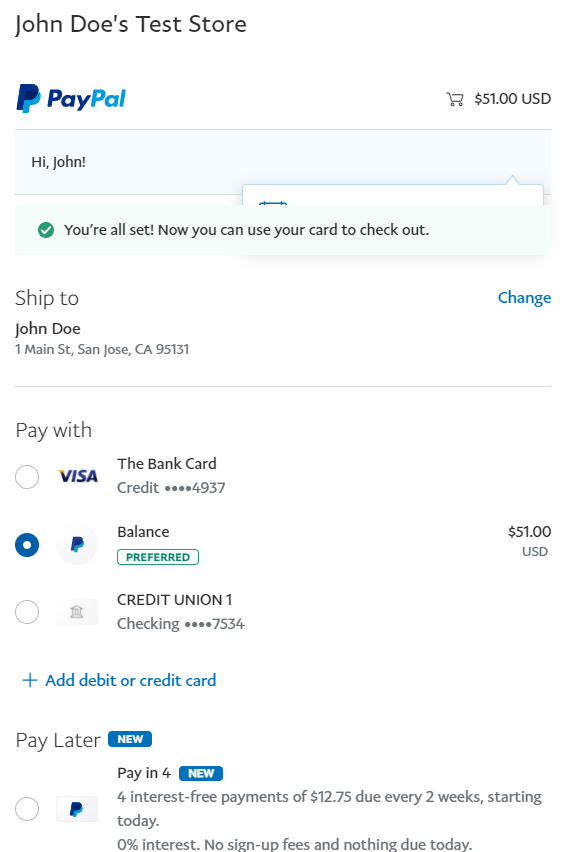


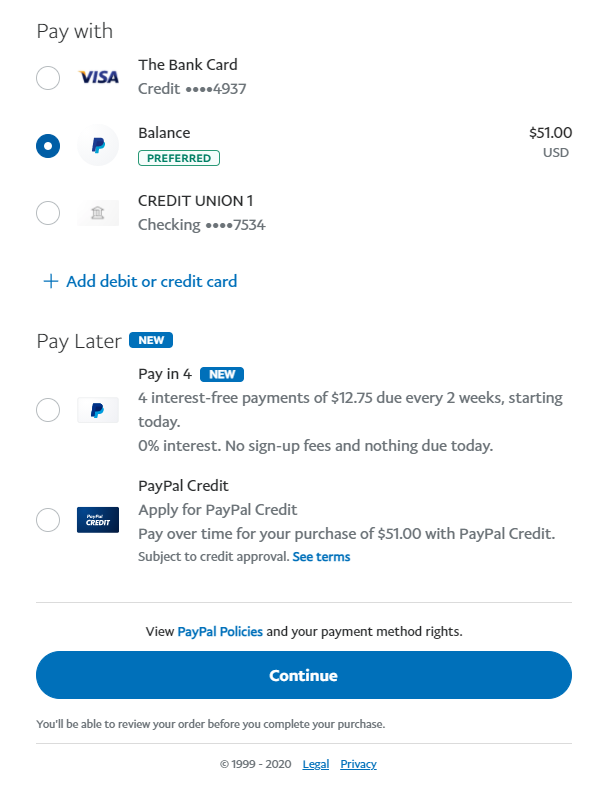
Put “Seattle1234” as password, click “Log In”,

Add Card:



Click “Save”, it shows:





Click “Continue”, The same page shows up agin.

Try to call capture:

curl --location --request POST 'https://api.sandbox.paypal.com/v2/checkout/orders/9R587134RF5631606/capture' \

--header 'Content-Type: application/json' \

--header 'Authorization: Bearer A21AAJPLlvAlbPkR0h9Uub6Hzzsgg7GJSJoUnpZOH1t8tU7vVuXOi7PCG0d5N7LP2ABurvoxDh1-NHhXURCTKV2Q9bpJvknJg' \

--header 'Cookie: tsrce=hermesnodeweb; x-csrf-jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2tlbiI6Ii1NakpGZUdCX3cxT1VEUmd4blZ0N2dRTjBtdHk1VFl6QjRLWXNYQTlDYjBCWWhQQWpDZm1xWUQ4ZzVlX2VsRTBzLURQWURMYzRvWTZ1bDY3b052LXc5VzVCLWdOalBNZkRCMU8za3NLYlZtM21NMnIxSk1XZjc2U1NFcVBzYTZ1LVlqWnhLSDJKbTl1dVBja2loUms4STVCUFM4c2YzcTU0VWQ2cjluQWVwV0R6VjFGX1Q1djFIZ2QtRHUiLCJpYXQiOjE2MDkyNzU5NzUsImV4cCI6MTYwOTI3OTU3NX0.AfXY8vTWByWd9dk28ZojGTgYuH1FM2v6vzCxkoRK6X4; ts=vreXpYrS%3D1703883974%26vteXpYrS%3D1609277774%26vr%3Db052a3bc1760a488874967cdfa0b59b9%26vt%3Db052a3bc1760a488874967cdfa0b59b8%26vtyp%3Dnew; ts\_c=vr%3Db052a3bc1760a488874967cdfa0b59b9%26vt%3Db052a3bc1760a488874967cdfa0b59b8' \

--data-raw '{

"intent": "CAPTURE",

"purchase\_units": [

{

"amount": {

"currency\_code": "USD",

"value": "50.00"

}

}

]

}'

We got:

{

"name": "UNPROCESSABLE\_ENTITY",

"details": [

{

"issue": "ORDER\_NOT\_APPROVED",

"description": "Payer has not yet approved the Order for payment. Please redirect the payer to the 'rel':'approve' url returned as part of the HATEOAS links within the Create Order call or provide a valid payment\_source in the request."

}

],

"message": "The requested action could not be performed, semantically incorrect, or failed business validation.",

"debug\_id": "a661f624c9db2",

"links": [

{

"href": "https://developer.paypal.com/docs/api/orders/v2/#error-ORDER\_NOT\_APPROVED",

"rel": "information\_link",

"method": "GET"

}

]

}