Stripe Checkout Pages Using PHP

Understanding the UI

Overview

With Lon Hosford

This is a Visual Step by Step Workbook and voice transcript for accompanying video for this portion of the course.

Are you ready to dig into the Stripe Embedded Checkout user interface?
Well guys it not going to be that big of a project to do.
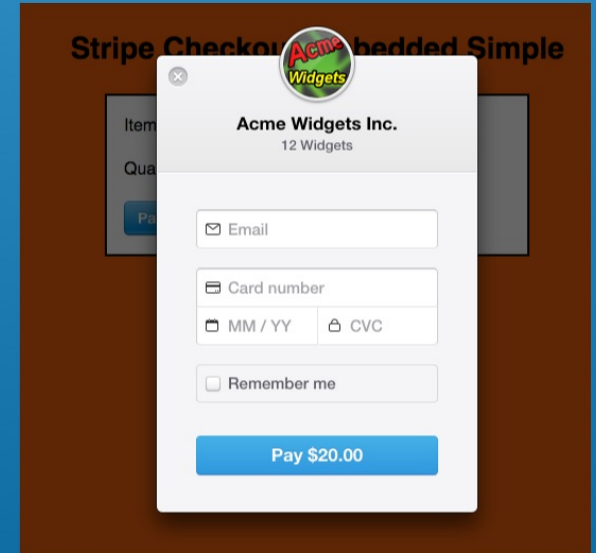
The Stripe Checkout Form

```html
<script
    src="https://checkout.stripe.com/checkout.js" class="
        stripe-button"
    data-key="<?php echo $st_test_public_key ?>"
    data-amount="2000"
    data-name="Acme Widgets Inc."
    data-description="12 Widgets"
    data-image="logo_128x128.png">
</script>
```

Mostly we need to understand what is already done for us by Stripe.
This involves a single line of HTML that lets Stripe handle most of your checkout work.

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```

It renders a checkout form that handles all the payment authorization steps.

The Stripe Checkout Form

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</script>
```

Stripe Checkout Embedded Simple

Item: Widget

Quantity: 12

Pay with Card

Stripe Checkout Embedded Simple

Acme Widgets Inc.
12 Widgets

✉ Email

▭ Card number

🗓 MM / YY   🔒 CVC

☐ Remember me

Pay $20.00

You will integrate the form into a single item order web page.
Then you practice processing orders to get the same experience as your customers will get.

The Stripe Checkout Form

To do this you learn how to test the checkout process on your web site using testing data.

The Stripe Checkout Form

Which card numbers should I use for testing?

In test mode, you can use these test cards to simulate a successful transaction:

Number	Card type
4242 4242 4242 4242	Visa
4012 8888 8888 1881	Visa
4000 0566 5566 5556	Visa (debit)
5555 5555 5555 4444	MasterCard
5200 8282 8282 8210	MasterCard (debit)
5105 1051 0510 5100	MasterCard (prepaid)
3782 822463 10005	American Express
3714 496353 98431	American Express
6011 1111 1111 1117	Discover
6011 0009 9013 9424	Discover
3056 9309 0259 04	Diners Club
3852 0000 0232 37	Diners Club
3530 1113 3330 0000	JCB
3566 0020 2036 0505	JCB

In addition, these cards will produce specific responses that are useful for testing different scenarios:

Number	Description
4000 0000 0000 0077	Charge will succeed and funds will be added directly to your available balance (bypassing your pending balance).

https://stripe.com/docs/testing#cards

This includes taking a ride to Stripe to investigate the testing data available to use for credit cards and other payment situations.
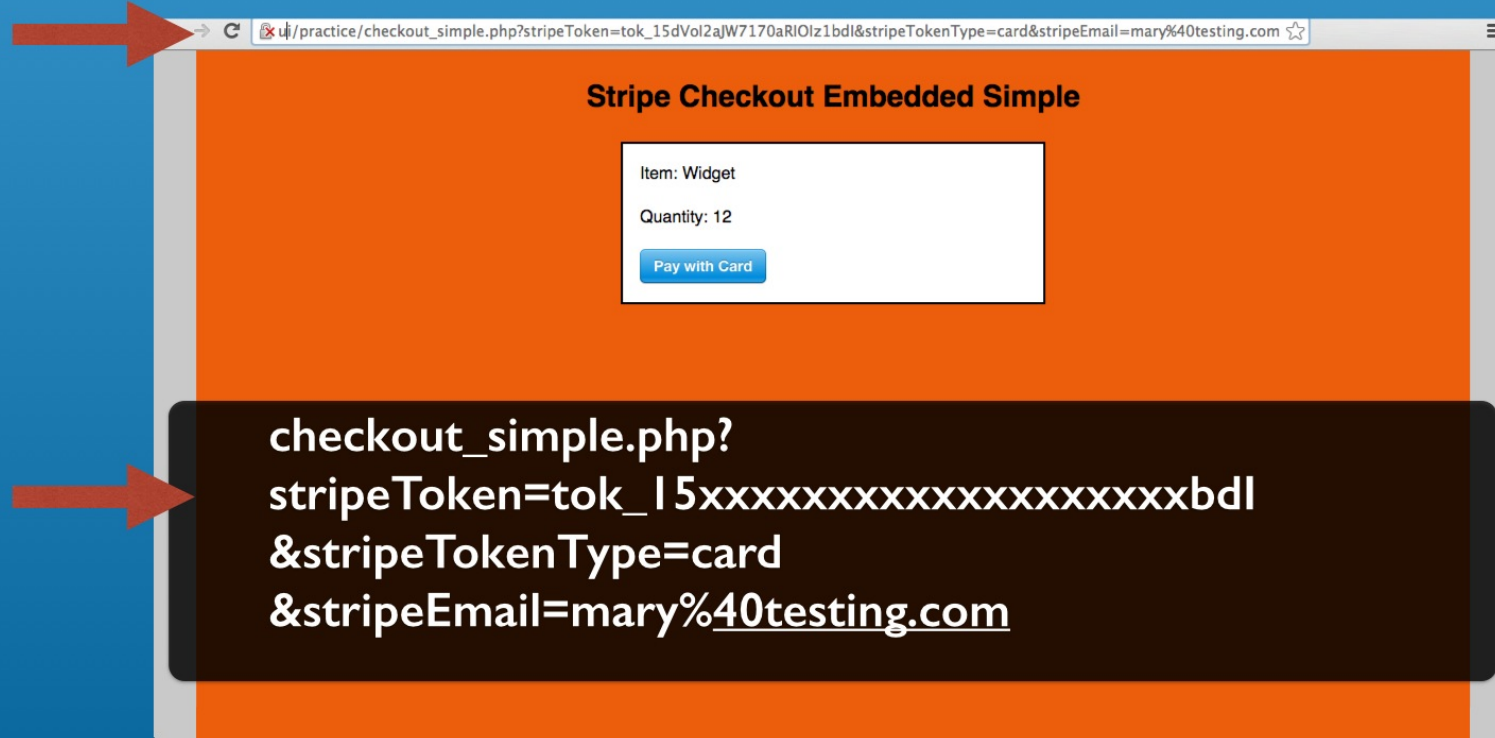
Stripe Tokens

We also learn about the Stripe tokens.
Stripe tokens free you from handling the secure banking data of your customers.
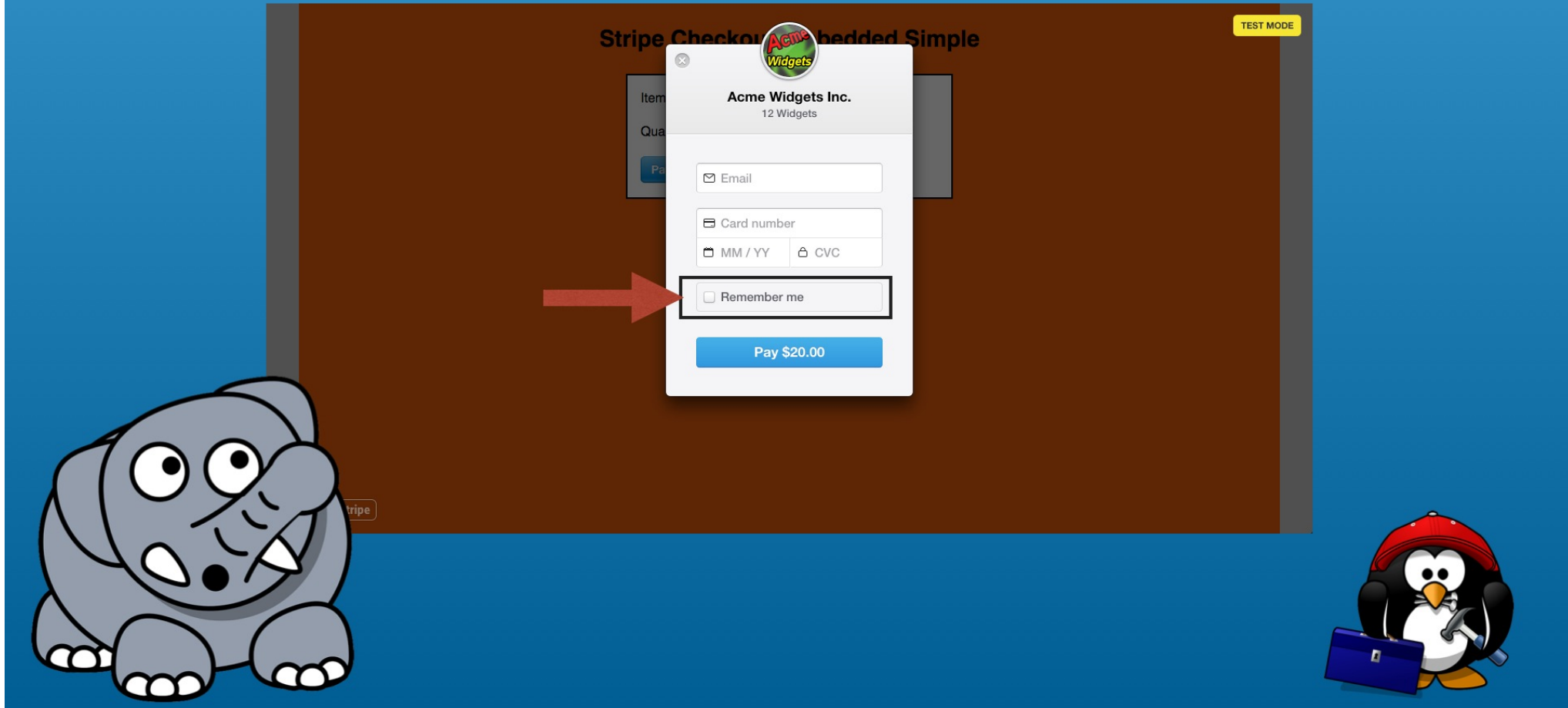Both you and customers will be very happy about that.
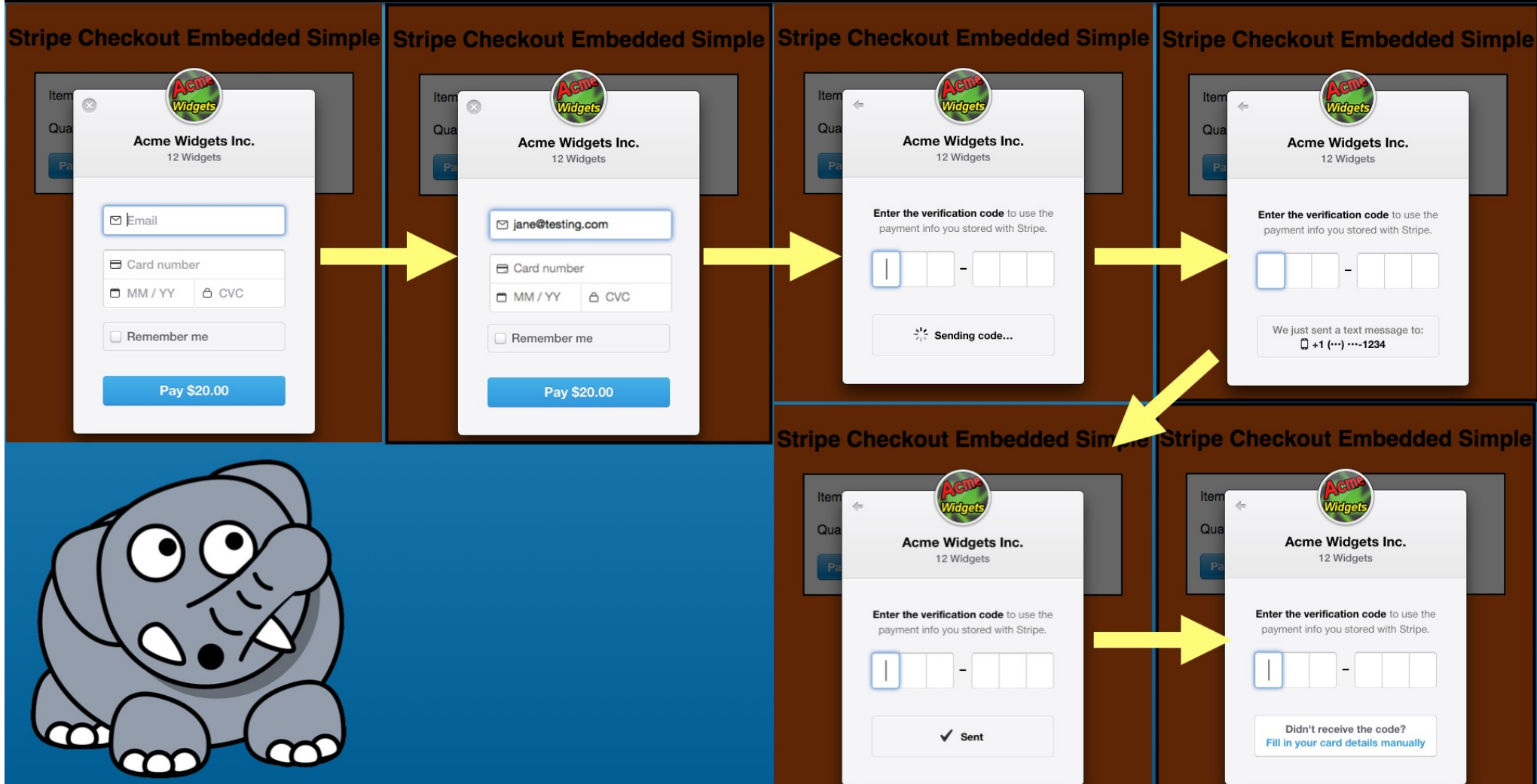
Stripe Tokens

As you test, you will track the Stripe token that is created along with other checkout data.
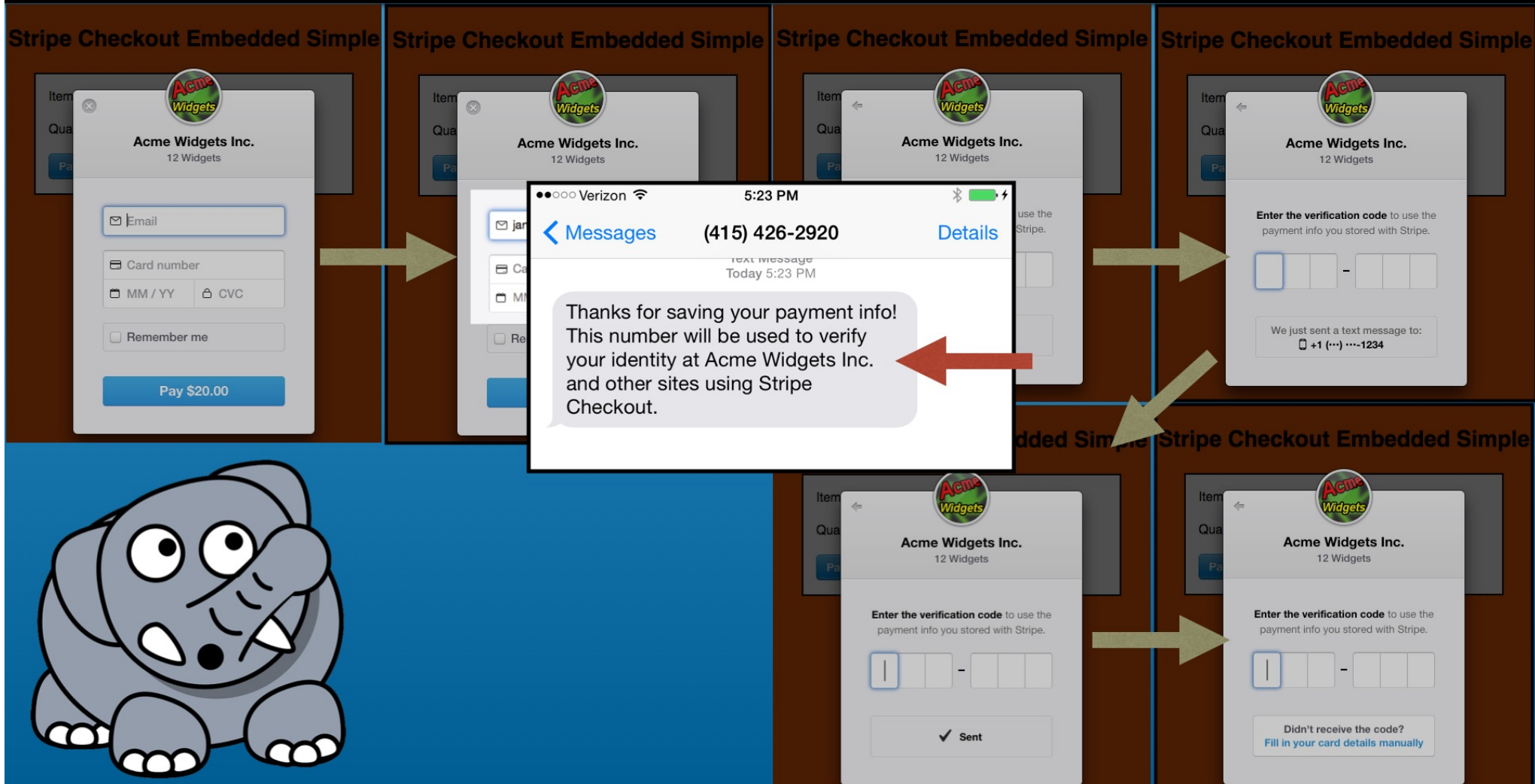We will learn how to use the token in a future section of the course to get automatic payments.

We also are going to work with the Stripe "Remember me" feature.
This allows customers to store their payment data for use when visiting your web site.
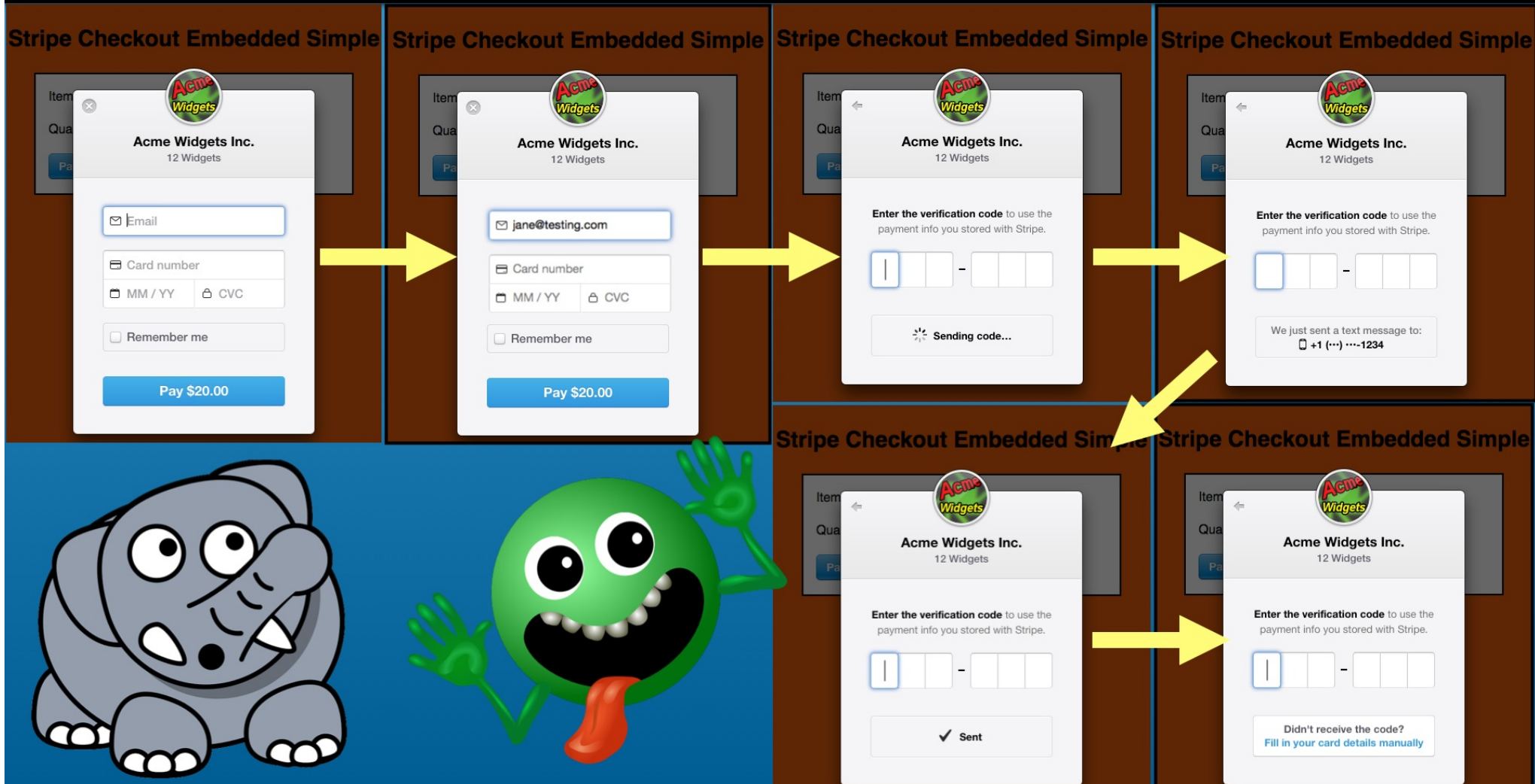
Remember Me

We go through the entire process just as your customer might experience.
You will have a bit of fun role playing as one of your "Remember me" customers.

Remember Me

This includes tracking the "Remember Me" text messages on your own phone sent during the process.
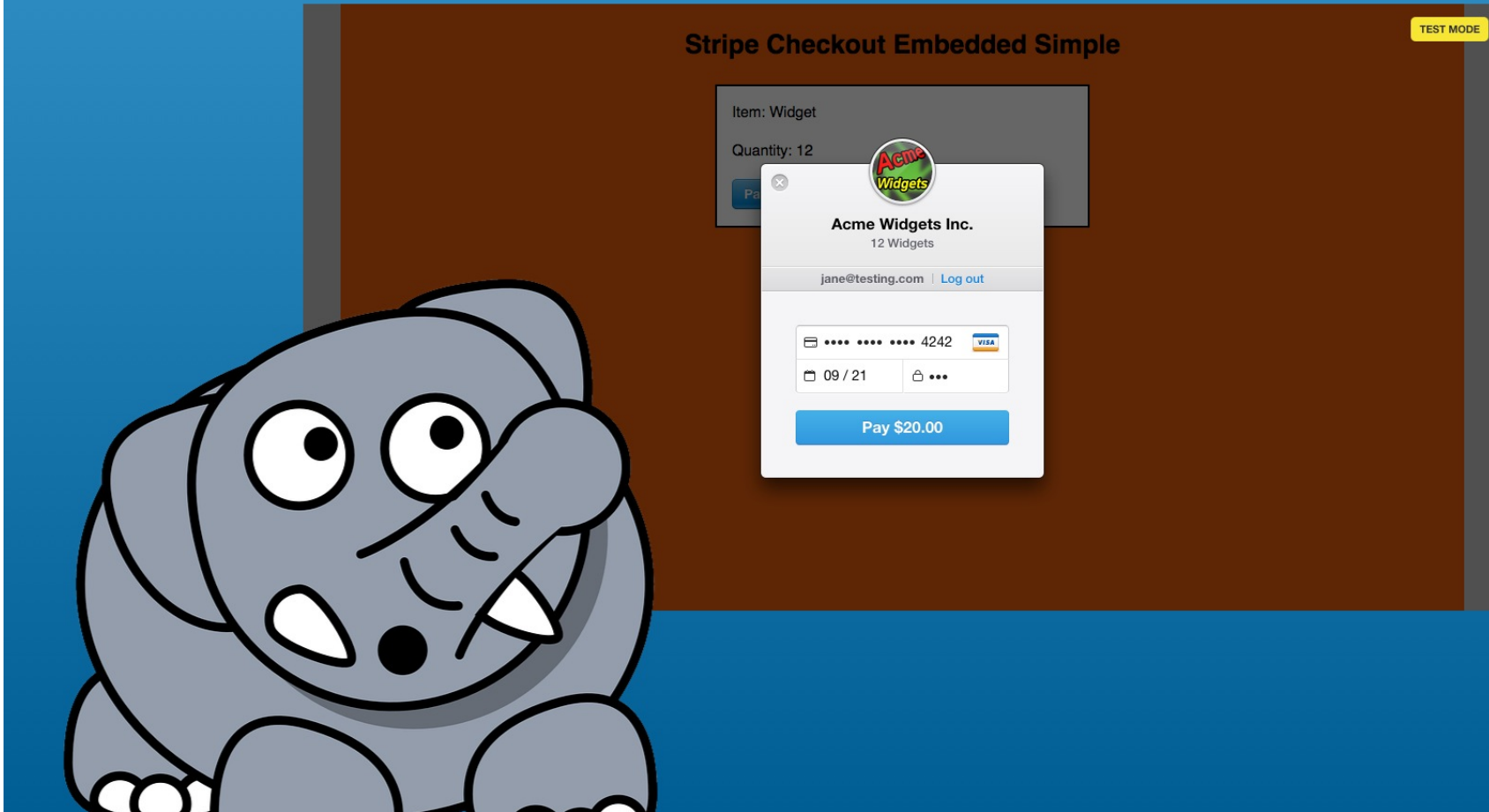
Remember Me

Yes it does look like a lot.
But it is really one simple screen with the various verification processing messages.
When you are done you will have experienced an important benefit to you and your customers.

And that benefit is Stripe pre-filling payment information on your web site for future orders. This makes it quick and more certain that customers complete the next order.

Embedded Stripe Form Data Communication

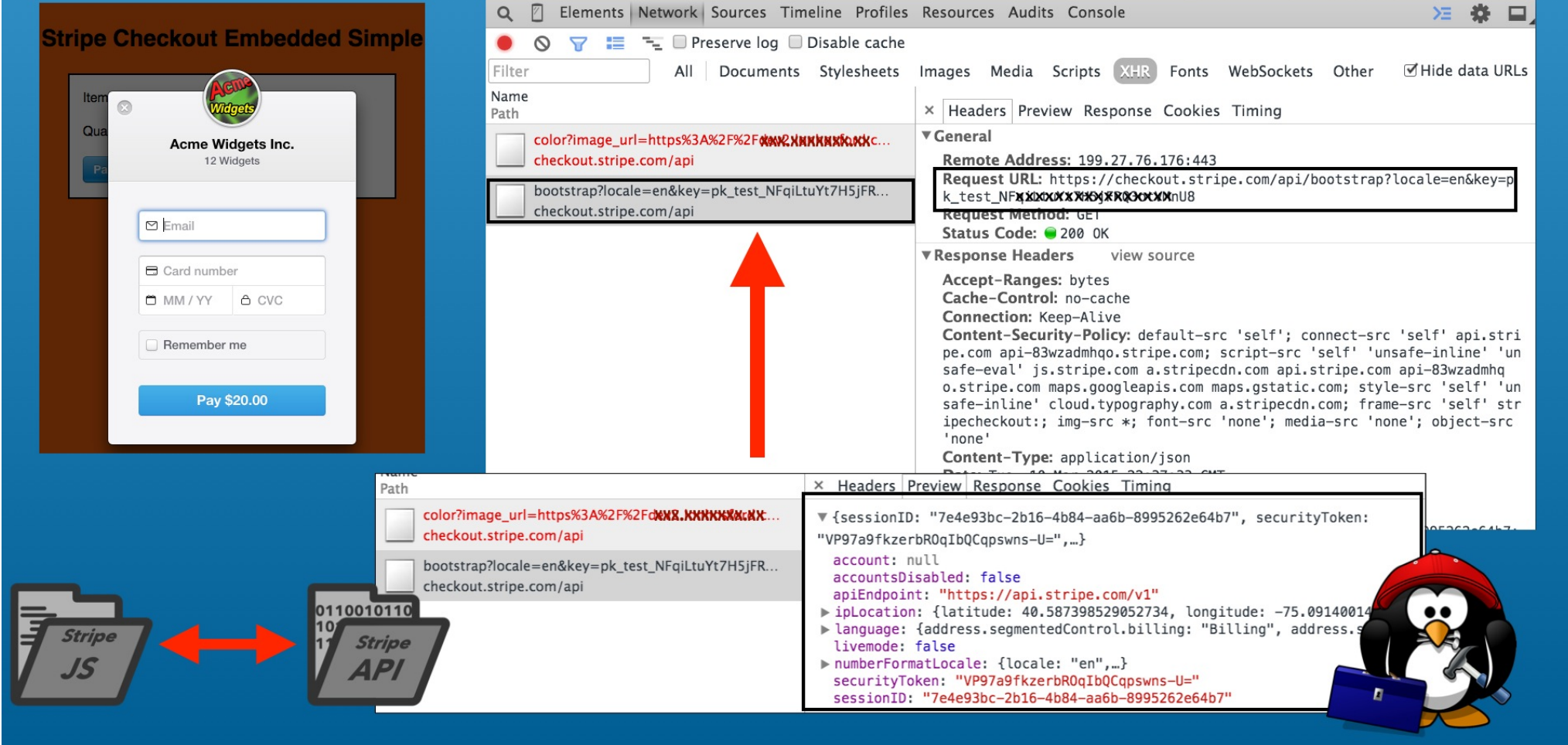Stripe JS ↔ Stripe API

https://checkout.stripe.com/api/

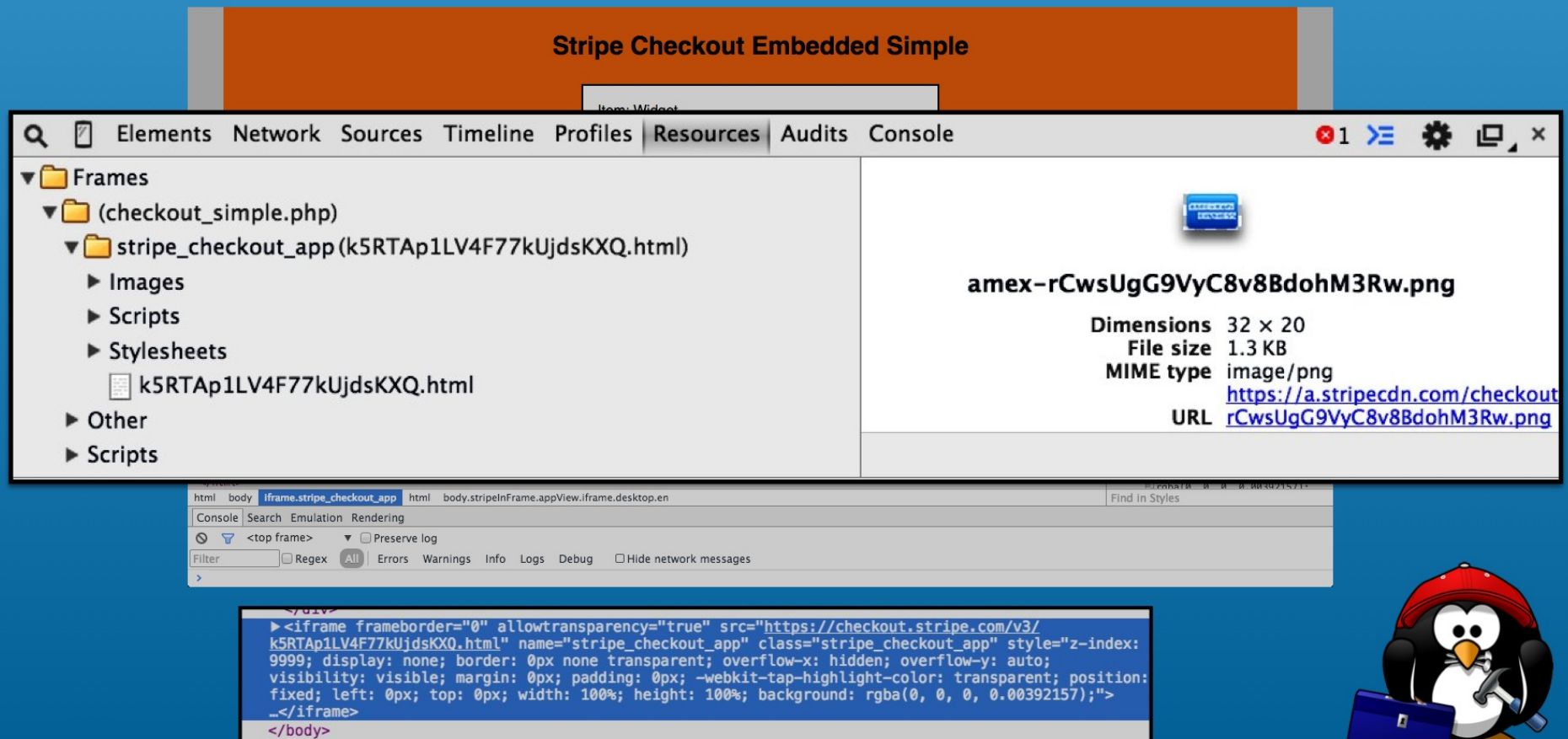We also go behind the scenes as the Stripe checkout form communicates with the Stripe API on its servers.

Embedded Stripe Form Data Communication

Stripe has a number of networks requests that you can learn about.
They have interesting response data that we will explore using the web browser tools.

Embedded Stripe Form Data Communication

We also will investigate what Stripe downloads to your page for example HTML elements and form assets such credit card images.

Dashboard Log

checkout_simple.php?
stripeToken=tok_15fxxxxxxxxxxxxxxxxxx7HI
&stripeTokenType=card
&stripeEmail=mary%40testing.com


```
Parsed Request POST Body

{
    customer: cus_5p7UrRMdsfBFwB,
    email: "jane@testing.com",
    ip: "24.229.160.162",
    payment_user_agent: "Stripe Checkout v3(checkout-api)",
    referrer:
    "https:                                        e/02_01_understanding_ui
    stripeToken=tok_15fxxxxxxxxxxxx&stripeTokenType=card&stripeEmail=mary%2540te
    user_agent: "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_9_5) AppleWebKit/537.36
    (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36"
}
```

```
Response body

{
    id: tok_15fFN7IIpyNluc9S0i5Ls8I0,
    livemode: false,
    created: 1426101601,
    used: false,
    object: "token",
    type: "card",
    card:
    {
        id: card_15fFN7IIpyNluc9S5eBHcITE,
        object: "card",
        last4: "4242",
        brand: "Visa",
        funding: "credit",
        exp_month: 9,
        exp_year: 2021,
        fingerprint: "tf5YEzNjtcvccrYN",
        country: "US",
        name: "jane@testing.com",
        address_line1: null,
        address_line2: null,
        address_city: null,
        address_state: null,
        address_zip: null,
        address_country: null,
        cvc_check: null,
        address_line1_check: null,
        address_zip_check: null,
```

Finally we go on an outing to locate transaction data in the Stripe dashboard logs.
Stripe logs a transaction when a customer completes a checkout form on your web site.

Well that's it!
You can get ready to go.
See you then for the first session.

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