

Stripe dashboard functionalities and workflow

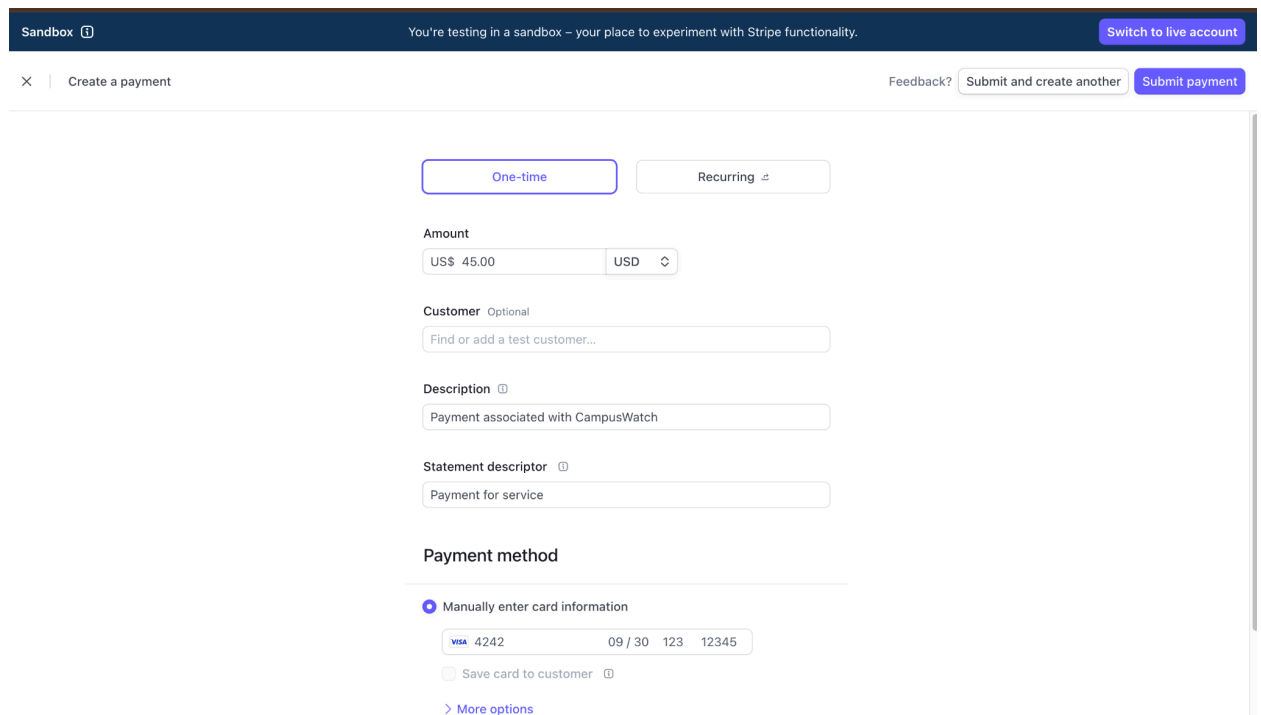
By Diya Neupane

Stripe is one of the most widely used platforms to integrate payment into systems. While we can directly implement Stripe payment in our web apps using the API keys, the Stripe dashboard itself allows testing and implementing various functionalities. Some of which I tested are mentioned below:

1. Configuring transactions, products, and payments

After logging in to Stripe, we are redirected to the home page, where we can test transactions.

I configured some transactions where I added valid, invalid and authorized-only card details and visualized the success and error messages generated by each one.



The screenshot shows the Stripe dashboard interface for creating a payment in a sandbox environment. The top navigation bar includes a 'Sandbox' indicator, a confirmation message 'You're testing in a sandbox - your place to experiment with Stripe functionality.', and a 'Switch to live account' button. The main header contains a 'Create a payment' link, a 'Feedback?' link, and two buttons: 'Submit and create another' and 'Submit payment'. The form itself is titled 'Create a payment' and features two tabs: 'One-time' (selected) and 'Recurring'. The 'Amount' section shows 'US\$ 45.00' with a currency dropdown set to 'USD'. The 'Customer' section is optional and includes a search bar 'Find or add a test customer...'. The 'Description' section contains the text 'Payment associated with CampusWatch'. The 'Statement descriptor' section contains 'Payment for service'. The 'Payment method' section is expanded, showing 'Manually enter card information' as the selected option. The card details entered are: VISA 4242, expiration 09 / 30, and card number 123 12345. There is a checkbox for 'Save card to customer' and a link for '> More options'.

Figure 1: Transaction with valid card details

×

Create a payment

Feedback?

Submit and create another

Submit payment

⚠️ Your card number is invalid.

One-time

Recurring ↗

Amount

US\$ 20.00

USD ↕

Customer Optional

Diya with invalid card details

⚠️ Select or add a customer in order to save customer details.

Description ⓘ

Payment associated with CampusWatch

Statement descriptor ⓘ

Service payment

Payment method

Manually enter card information

🇮🇳 4000 0000 0000 0000

09 / 30 300

Figure 2: Transaction attempt with invalid card details

×

Create a payment

Feedback?

Submit and create another

Submit payment

⚠️ Your card was declined. This transaction requires authentication.

One-time

Recurring ↗

Amount

US\$ 10.00

USD ↕

Customer Optional

Diya

Description ⓘ

Payment for CampusWatch

Statement descriptor ⓘ

Service payment

Payment method

Manually enter card information

VISA 3184

09 / 30 123 12345

Figure 3: Transaction attempt with authorized-only card details

I then created a product under the Products tab and filled out some dummy data and got the payment link associated with the product that could be directly used to buy the product or service.

The screenshot shows the Stripe dashboard in a sandbox environment. The 'Add a product' modal is open, displaying the following information:

- Name (required):** Object detection and tracking product
- Description:** Camera setup and object detection functionality
- Image:** A placeholder image of a camera mounted on a wall.
- More options:** A dropdown menu showing 'Recurring' and 'One-off' options.
- Amount (required):** US\$ 38.00, with a currency selector set to USD.
- Preview:** A summary of the product details, including the unit quantity (1) and the estimated total (US\$38.00).

The preview section also includes a 'Start collecting tax' link and a 'No file chosen' button.

Figure 4: Adding a product

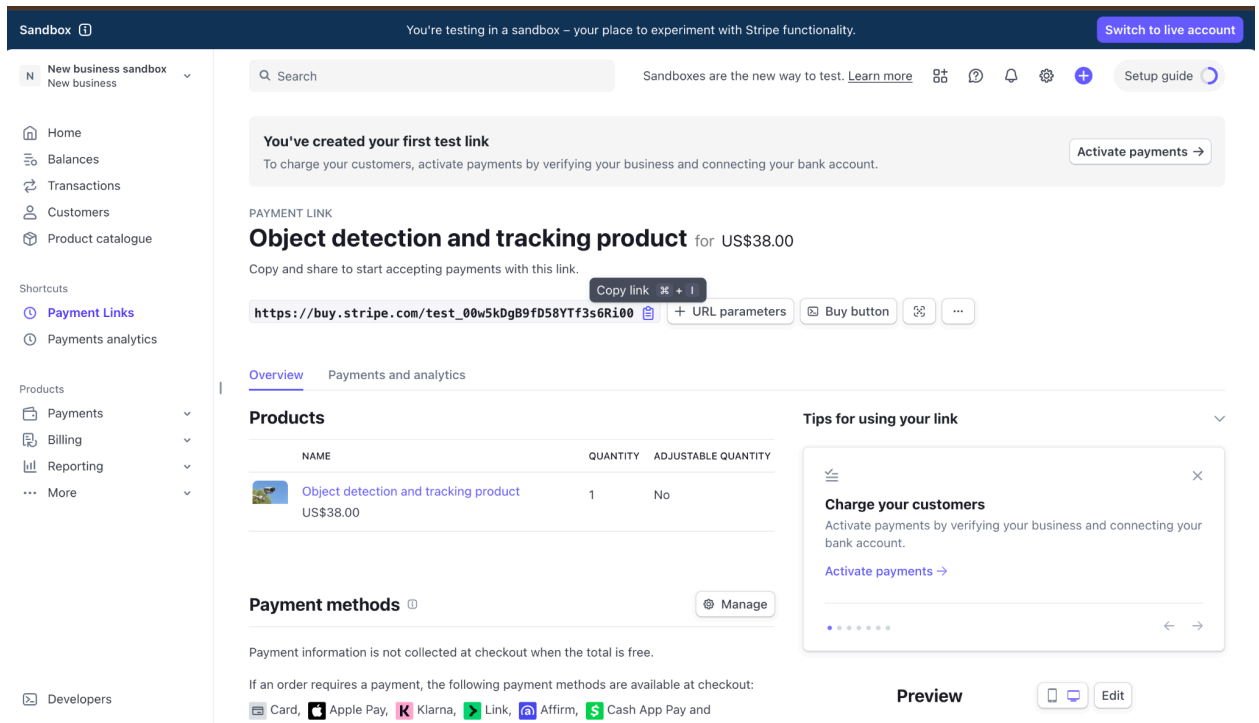


Figure 5: Getting the link associated with the product

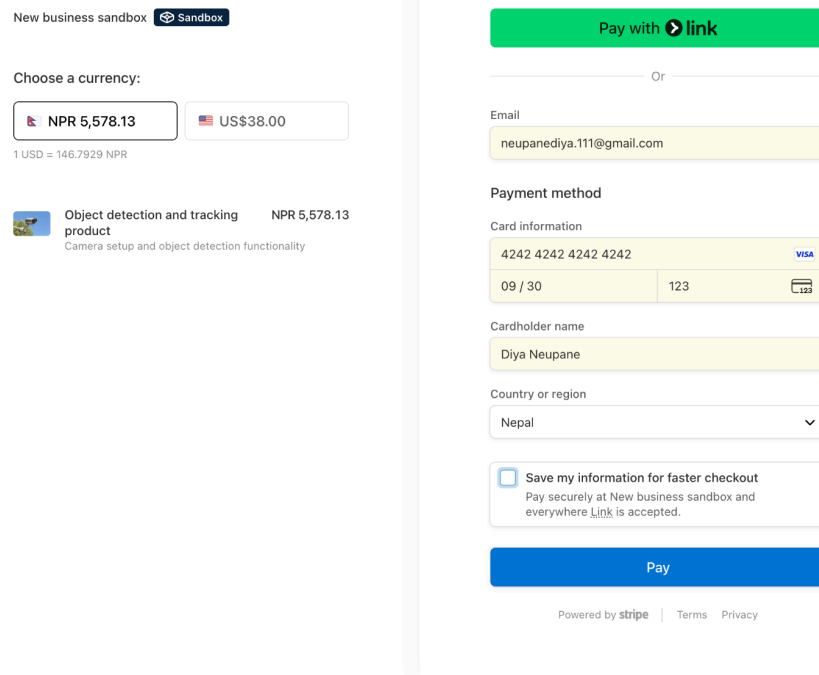


Figure 6: Purchase of the product through the link directly

2. Verification of System functionality

We can see the logs and details of each transaction, each product and each customer. We can verify if every function is working as expected or not.

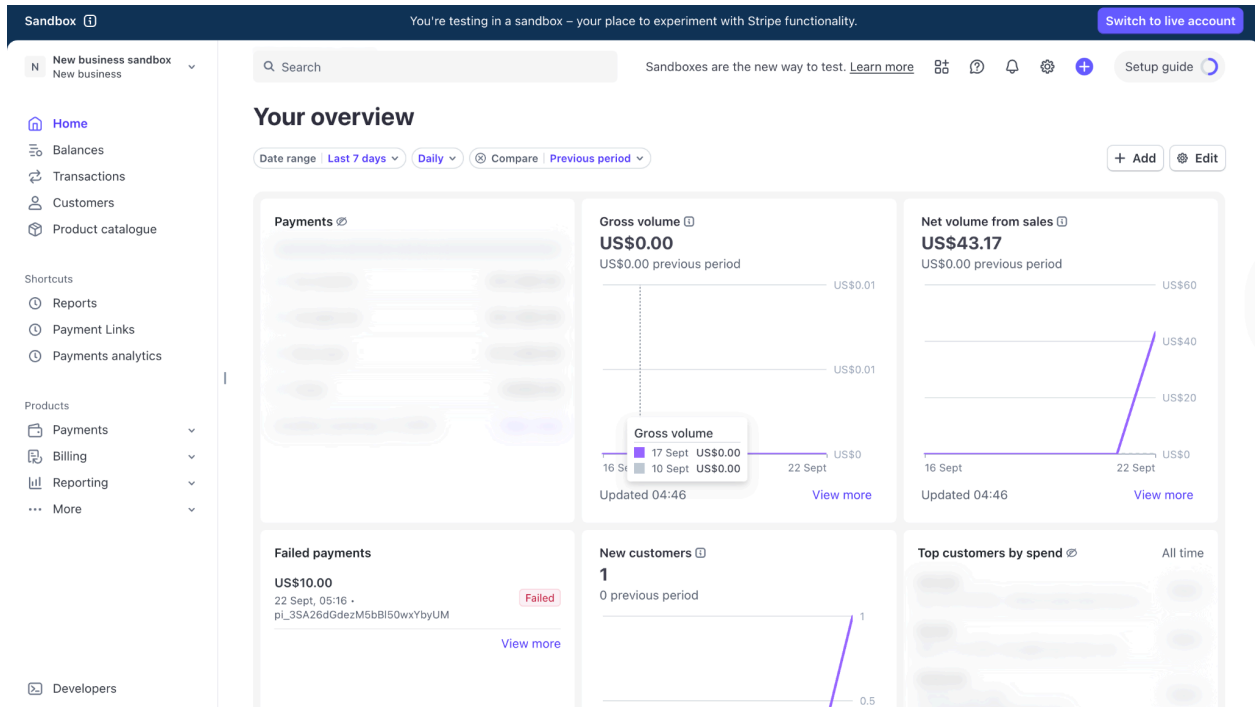


Figure 7: Log of payments on the homepage

New business sandbox

New business

Home

Balances

Transactions

Customers

Product catalogue

Shortcuts

Payment Links

Payments analytics

Products

Payments

Billing

Reporting

More

Developers

Search

Sandboxes are the new way to test. [Learn more](#)

Setup guide

Payments

Payouts

Top-ups

All activity

Recommendation

Use Stripe Billing's automated recovery features to reduce and recover failed payments.

Try Stripe Billing

All 14

Succeeded 13

Refunded 0

Disputed 0

Failed 1

Uncaptured 0

Date and time

Amount

Currency

Status

Payment method

More filters

Export

Edit columns

	Amount		Payment method	Description	Customer	Date	Refund	
<input type="checkbox"/>	US\$10.00	USD	Failed X	3184	Payment for CampusWatch	22 Sept, 05:16	—	...
<input type="checkbox"/>	US\$38.00	USD	Succeeded ✓	4242	pi_3SA23SGdezM5bB1503hzgPu8	22 Sept, 05:12	—	...
<input type="checkbox"/>	US\$45.00	USD	Succeeded ✓	4242	Payment associated with CampusWatch	22 Sept, 04:46	—	...
<input type="checkbox"/>	US\$50.99	USD	Succeeded ✓	1111	pi_3RANTvGdezM5bB150MFN8fAY	5 Apr, 03:33	—	...
<input type="checkbox"/>	US\$23.33	USD	Succeeded ✓	1111	pi_3RANQuGdezM5bB150snWYGKK	5 Apr, 03:30	—	...
<input type="checkbox"/>	US\$63.32	USD	Succeeded ✓	1111	pi_3RANPyGdezM5bB150kFEAqQ7	5 Apr, 03:29	—	...
<input type="checkbox"/>	US\$63.32	USD	Succeeded ✓	1111	pi_3RANMjGdezM5bB150pqX1sLE	5 Apr, 03:25	—	...
<input type="checkbox"/>	US\$63.32	USD	Succeeded ✓	1111	pi_3RANIHgdezM5bB151F2UAjTK	5 Apr, 03:21	—	...
<input type="checkbox"/>	US\$63.32	USD	Succeeded ✓	1111	pi_3RANG7GdezM5bB150DBBYTpe	5 Apr, 03:19	—	...
<input type="checkbox"/>	US\$50.55	USD	Succeeded ✓	1111	pi_3RAAyfGdezM5bB1502du07sB	4 Apr, 14:12	—	...
<input type="checkbox"/>	US\$63.32	USD	Succeeded ✓	1111	pi_3RAAr0GdezM5bB150RuJWYCX	4 Apr, 14:04	—	...

Figure 8: Transaction logs and details

Sandbox

You're testing in a sandbox – your place to experiment with Stripe functionality.

Switch to live account

New business sandbox

New business

Search

Sandboxes are the new way to test. [Learn more](#)

Setup guide

Home

Balances

Transactions

Customers

Product catalogue

Shortcuts

Reports

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More

Developers

Product catalogue

Analyse

Create product

All products

Features

Coupons

Shipping rates

Tax rates

Pricing tables

All 1

Active 1

Archived 0

Created

Status Active

Clear filters

Export prices

Export products

Edit columns

1 result

Figure 9: Product details

New business sandbox
New business

Home

Balances

Transactions

Customers

Product catalogue

Shortcuts

Payment Links

Payments analytics

Products

Payments

Billing

Reporting

More

Developers

Search

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Setup guide

Customers

+ Add customer

All

Remaining balances

EmailCardCreated dateTypeMore filters

CopyExportAnalyseEdit columns

Name	Email	Default payment method	Created
<input type="checkbox"/> Diya Neupane	<div>Guest</div> neupanediya.111@gmail.com	<div>visa</div> 4242	22 Sept, 04:47
<input type="checkbox"/> A customer of CampusWatch	—		22 Sept, 04:42
<input type="checkbox"/> Diya Neupane	<div>Guest</div> diyaneupane.2020@gmail.com	<div>visa</div> 1111	4 Apr, 13:00

3 results

Figure 10: Customer details and logs