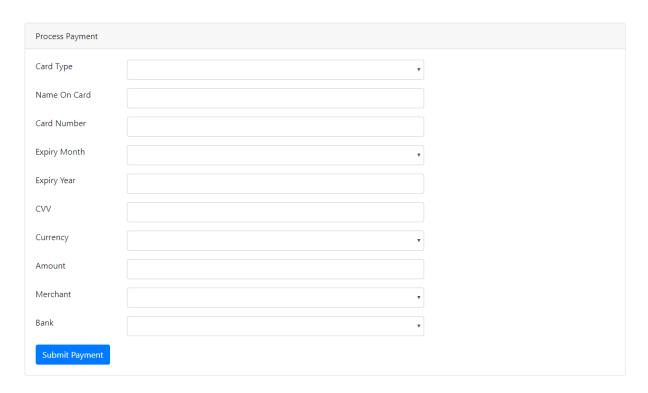
PAYMENT GATEWAY

USER GUIDE

Process Payment

The payment gateway enables a merchant to process a payment. The details of the transaction should be entered in the form below and the button should be clicked.



| Fields | Mandatory | Description |
|--------------|-----------|----------------------------------|
| Card Type | Yes | The type of the payment card. |
| Name On Card | Yes | The name of the shopper as it is |
| | | displayed on the payment card. |
| Card Number | Yes | The 12 digits number printed on |
| | | the front of payment card. |
| Expiry Month | Yes | The payment card expiry |
| | | month. |
| Expiry Year | Yes | Integer >= 0 |
| | | The payment card expiry year |
| CVV | Yes | The 3 digits code printed on the |
| | | back of the card. |
| Currency | Yes | The currency used for the |
| | | purchase. |
| Amount | Yes | Integer >= 0 |
| | | The amount of the purchase. |
| Merchant | Yes | The seller of the product. |
| Bank | Yes | The acquiring bank. |

If the payment is successfully processed, a success message will be displayed and a Transaction ID will be returned to the user.

```
Thank you! Your payment has been received!
Your Transaction ID is 77e81a77-c2fa-4adb-b49d-0c76596dc83f.
```

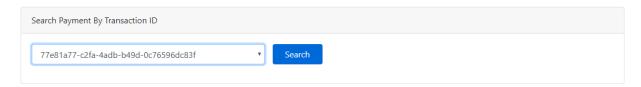
If the bank failed to process the payment, a failure message is displayed with the response received from the bank.

Sorry, payment failed!
Bank Response: Not enough fund

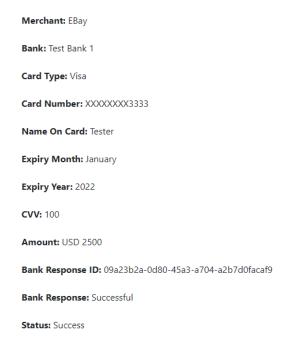
Retrieve transaction detail

Search by Transaction ID

To retrieve the details of a previously made payment, select a transaction ID and click on .

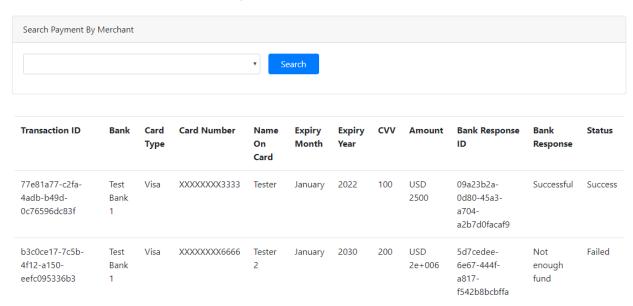


The details of the transaction will be displayed in the format below.



Search by Merchant

To retrieve all the transactions made by a merchant, select a merchant and click on _____.



Bank Response

When the merchant submits a transaction via the payment gateway, the request is forwarded to the acquiring bank and a response is received from the bank. Below are test details to simulate a bank response.

| Validation | Bank Response | Test Data |
|--|---------------------|-------------------|
| Check if CVV is a 3 digits number | Security Breach | CVV: 1234 |
| Check if Amount is less than or equal to 100000 | Not enough fund | Amount: 300000 |
| Check if Card Number is a 12 digits number | Invalid Card Number | Card Number: 1111 |
| Check if the Card Expiry Date greater than Today's date. | Card has expired | Year: 2015 |

ER Diagram

